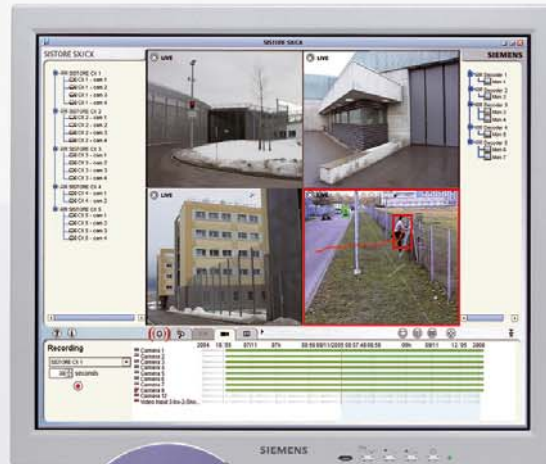




CCTV

Products & Accessories Catalogue 2009



Answers for infrastructure.

SIEMENS

Siemens: one brand, one partner – one system – for all your security & fire safety requirements

- Access Control
 ○ CCTV
 ○ Fire Safety
 ○ Intruder Detection

Every day small sized applications in "standalone" operation – small convenience store or petrol station shop



○ CCTV products for this example:

Monofocal fixed domes, to surveil the shop



High-resolution DIP switch colour camera monitoring customers paying and forecourt



15" high-resolution public display monitor



SISTORE AX4 Lite, 4 camera digital recorder, operating in a standalone mode



Medium sized applications with local area networking (LAN) – large supermarket with warehouse



○ CCTV products for this example:

Speed domes, to surveil all the aisles



High-resolution IP cameras monitoring "sale items" on end of aisles for Marketing purposes



CKA keyboard to control speed domes, SIMATRIX & SISTORE AX



15" TFT display monitor



SISTORE AX16, 16 camera digital recorder, with LAN connection to head office



SISTORE CX, digital video codec for IP transmission & recording of warehouse cameras



High-risk applications with wide area networking (WAN) – commercial bank



○ CCTV products for this example:

Vandal-resistant domes monitoring public floor areas for the highest protection



High-resolution colour cameras monitoring customers being served



High-resolution Wide Dynamic cameras monitoring customers entering through glass doors to the bank



19" TFT display monitor



SISTORE MX hybrid recorder, with WAN connection to security office



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Cameras and Domes








Attractive, powerful cameras for any area of application ...

Only a camera optimally adjusted to prevailing light conditions can deliver clear, crisp images. Siemens has met this challenge at the highest level and created a range of cameras and fixed domes to cover all customer needs. The cameras have been designed to meet every application, for indoor and outdoor, from simple monochrome cameras to high-performance colour cameras, as well as specialised Wide Dynamic day/night cameras. Cameras by Siemens can be used for monitoring in public areas, for traffic monitoring, in tunnels, casinos, train stations, airports and many other applications. With their uniformly attractive design, the cameras offer the sharpest image in any environment.

- Cameras for all applications
- Complete range of fixed domes
- Models include 1/4", 1/3" and 1/2" cameras
- Remote software setup available on selected models
- Day/night, colour and monochrome models

Cameras and Domes

Cameras Overview

| | CCBS1225 | CCBC1225 | CCBB1225 | CCWC1335 | CCBS1337 |
|---|---|---|--|---|---|
| |  |  |  |  |  |
| | Day/night Wide Dynamic | Colour Wide Dynamic | Monochrome Wide Dynamic | Day/night Wide Dynamic | Day/night |
| Image sensor | 1/2" CCD | 1/2" CCD | 1/2" CCD | 1/3" CCD | 1/3" CCD |
| TV lines | 480 | 480 | 580 | 480 | 540 |
| Resolution | High-resolution | High-resolution | High-resolution | High-resolution | Super high-resolution |
| CMOS Pixim® Technology | | | | | |
| TV standard | PAL | PAL | CCIR | PAL or NTSC* | PAL or NTSC* |
| Power supply 12 V DC / 24 V AC dual 110 ~ 240 V AC | ■ | ■ | ■ | ■ ■ | ■ ■ |
| Minimum illumination (@ 50 IRE) | 0.045 Lux (colour) 0.008 Lux (mono) (@ F1.2) | 0.11 Lux (colour) (@ F1.2) | 0.0037 Lux (@ F1.2) | 0.4 Lux (colour) 0.08 Lux (mono) (@ F1.4) | 0.4 Lux (colour) 0.08 Lux (mono) (@ F1.4) |
| Slow shutter | ■ | ■ | ■ | ■ | ■ |
| Programmable shutter speed | ■ | ■ | ■ | ■ | ■ |
| S/N ratio | > 50 dB | > 50 dB | > 50 dB | > 50 dB | > 50 dB |
| Dynamic noise reduction (DNR) | | | | | ■ |
| Automatic gain control (AGC) | Auto or manually adjustable max. 39 dB | Auto or manually adjustable max. 39 dB | Auto or manually adjustable max. 39 dB | OFF, Normal, Turbo, max. 30 dB | OFF, Normal, Turbo, max. 30 dB |
| On-screen display menu | ■ | ■ | ■ | ■ | ■ |
| Camera title overlay | 24 characters | 24 characters | 24 characters | 16 characters | 16 characters |
| Colour/monochrome switchable | ■ | | | ■ | ■ |
| Infrared cut filter | ■ | | | ■ | ■ |
| Peak-white inversion | ■ | ■ | ■ | | |
| Automatic white balance | ■ | ■ | | ■ | ■ |
| Back light compensation | 49 zones (7 x 7) | 49 zones (7 x 7) | 49 zones (7 x 7) | 6 zones | 6 zones |
| Wide Dynamic | ■ | ■ | ■ | ■ | |
| Quick-connect | ■ | ■ | ■ | ■ | ■ |
| Cable management | ■ | ■ | ■ | ■ | ■ |
| One screw easy back focus | ■ | ■ | ■ | ■ | ■ |
| Line lock synchronisation | ■ | ■ | ■ | ■ | ■ |
| Digital picture storage in camera | 4 images | 4 images | 4 images | | |
| Privacy zones | | | | 8 | 8 |
| RS485 remote programming | ■ | ■ | ■ | ■ | ■ |
| Interface with ID | ■ | ■ | ■ | ■ | ■ |
| Alarm input/output | ■ | ■ | ■ | ■ | ■ |
| S-VHS Y/C output | ■ | ■ | ■ | ■ | ■ |
| Twisted pair video output | | | | | |
| Activity detection (motion) | | | | | |

* Model available on request

Cameras and Domes

Cameras Overview




| CCBC1337 | CCBC1327 | CCWC1345 | CCBS1345 | CCBC1345 | CCBB1345 |
|------------------------------|--------------------------------------|-------------------------------------|---|----------------------|----------------------|
| | | | | | |
| Colour | Colour | Colour Wide Dynamic | Day/night | Colour | Monochrome |
| 1/3" CCD | 1/3" CCD | 1/3" CMOS | 1/3" CCD | 1/3" CCD | 1/3" CCD |
| 540 | 540 | 500 | 480 | 480 | 580 |
| Super high-resolution | Super high-resolution | High-resolution | High-resolution | High-resolution | High-resolution |
| | | ■ | | | |
| PAL or NTSC* | PAL | PAL and NTSC* | PAL or NTSC* | PAL or NTSC* | CCIR or EIA* |
| ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ |
| 0.5 Lux (colour) (@ F1.4) | 0.6 Lux (@ F1.2) | 0.5 Lux (@ F1.4) | 0.3 Lux (colour) 0.08 Lux (mono) (@ F1.4) | 0.6 Lux (@ F1.2) | 0.15 Lux (@ F1.2) |
| | | ■ | | | |
| | ■ | ■ | | | |
| > 50 dB | > 50 dB | > 50 dB | > 50 dB | > 50 dB | > 50 dB |
| | | ■ | | | |
| ON/OFF max. 30 dB | OFF/12 dB/18 dB 24 dB/30 dB/38 dB | OFF/6 dB/12 dB 18 dB/24 dB/30 dB | ON/OFF max. 30 dB | ON/OFF max. 38 dB | ON/OFF max. 38 dB |
| | ■ | ■ | | | |
| | 16 characters | 24 characters | | | |
| | ■ | ■ | ■ | | |
| | | | ■ | | |
| ■ | ■ | ■ | ■ | ■ | |
| 6 zones | 6 zones | 6 zones | 1 zone | 1 zone | 1 zone |
| | | ■ | | | |
| ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | ■ | ■ | ■ |
| | | | | | |
| | | 1 | | | |
| | | ■ | | | |
| | | ■ | | | |
| | | ■ | 1 x input | | |
| ■ | | ■ | | | |
| | | ■ | ■ | | |
| | | ■ | | | |


*Model available on request

Cameras and Domes

Monochrome Cameras

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------------|--|--------|-------------------|-----------------|--|-----------------------|--------------|----------------------|--|--------------------|---------|---------------|-------|--------------|------------------------------|---------------|---|--------------------|--------------|-------------------------------|----------|---------------|-------------------------------------|------------|----------------------------|------------------------|--------------------|------------------------|------------------|--------------------|--|-------------------|------|--------|---------|
| CCBB1225-LC | 2GF1081-8EA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>1/2" DSP Monochrome Wide Dynamic OSD Camera 580 TVL, CCIR, 12 V DC / 24 V AC</p> <p>High-resolution 1/2" monochrome camera including all features of the newest camera and chip technology with improved infrared sensitivity. Advanced features include 49-zone programmable back light compensation, wide dynamic, peak-white inversion and adjustable electronic shutter, ensuring the best images all the time. The camera includes a built-in ID system for addressing (via RS485 or TTL) and setup is via on-screen display menu, or via remote setup software. An alarm input triggers up to 4 digital images, stored in the camera and remotely accessible. Supplied with operation and parameterisation software.</p> <table> <tr> <td>Television standard</td> <td>CCIR: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Pixels</td> <td>752 (H) x 582 (V)</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock, video - or HD/VD</td> </tr> <tr> <td>Horizontal resolution</td> <td>580 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>0.0037 lx (F1.2, AGC 39 dB, 50 IRE)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Dynamic range</td> <td>60 dB</td> </tr> <tr> <td>Gain control</td> <td>Off Automatic: max. 36 dB</td> </tr> <tr> <td>Shutter speed</td> <td>Off: 1/50 s Automatic: 1/50 - 1/100,000 s Fixed: 8 - 1/30,000 s</td> </tr> <tr> <td>Infrared sensitive</td> <td>Up to 880 nm</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>49 areas</td> </tr> <tr> <td>Camera titles</td> <td>24 characters (position adjustable)</td> </tr> <tr> <td>Lens mount</td> <td>CS (incl. C-mount adapter)</td> </tr> <tr> <td>Auto iris lens control</td> <td>Direct/video drive</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>74 x 60 x 125 mm</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC, 50 Hz, approx. 330 mA ± 10 % 24 V AC, 50 Hz, approx. 300 mA ± 10 %</td> </tr> <tr> <td>Power consumption</td> <td>5 VA</td> </tr> <tr> <td>Weight</td> <td>0.45 kg</td> </tr> </table> | Television standard | CCIR: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Pixels | 752 (H) x 582 (V) | Synchronisation | Internal: crystal External: line lock, video - or HD/VD | Horizontal resolution | 580 TV lines | Minimum illumination | 0.0037 lx (F1.2, AGC 39 dB, 50 IRE) | Signal/noise ratio | > 50 dB | Dynamic range | 60 dB | Gain control | Off Automatic: max. 36 dB | Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s Fixed: 8 - 1/30,000 s | Infrared sensitive | Up to 880 nm | Back light compensation (BLC) | 49 areas | Camera titles | 24 characters (position adjustable) | Lens mount | CS (incl. C-mount adapter) | Auto iris lens control | Direct/video drive | Dimensions (W x H x D) | 74 x 60 x 125 mm | Power requirements | 12 V DC, 50 Hz, approx. 330 mA ± 10 % 24 V AC, 50 Hz, approx. 300 mA ± 10 % | Power consumption | 5 VA | Weight | 0.45 kg |
| Television standard | CCIR: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | 752 (H) x 582 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock, video - or HD/VD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 580 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.0037 lx (F1.2, AGC 39 dB, 50 IRE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dynamic range | 60 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off Automatic: max. 36 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s Fixed: 8 - 1/30,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infrared sensitive | Up to 880 nm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | 49 areas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera titles | 24 characters (position adjustable) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens mount | CS (incl. C-mount adapter) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto iris lens control | Direct/video drive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 74 x 60 x 125 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC, 50 Hz, approx. 330 mA ± 10 % 24 V AC, 50 Hz, approx. 300 mA ± 10 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 5 VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.45 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|-----------------|--|---------------------------|--------------|---------------------------|---|--------------------|---------|--------------|------------------------------|--------------------|--------------|-------------------------------|--------|------------|----------------------------|------------------------|---|---------------|---|------------------------|------------------|-------------------|------|--------------------------|
| <p>CCBB1345..</p>  <p>1/3" DSP Monochrome DIP Switch Camera 580 TVL</p> <p>CCBB1345 is a high-resolution monochrome camera using the latest CCD technology and advanced digital signal processing techniques to provide crisp, aperture-corrected images for surveillance applications requiring high-resolution images. Setup is via DIP switches.</p> <table border="0"> <tr> <td>Television standard</td> <td>CCIR: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock</td> </tr> <tr> <td>Horizontal resolution</td> <td>580 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>0.15 lx (F1.2, AGC 38 dB, 50 IRE video output)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Gain control</td> <td>Off Automatic: max. 38 dB</td> </tr> <tr> <td>Infrared sensitive</td> <td>Up to 880 nm</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>Off/On</td> </tr> <tr> <td>Lens mount</td> <td>CS (incl. C-mount adapter)</td> </tr> <tr> <td>Auto iris lens control</td> <td>Direct/video drive 2 sockets (rear/side)</td> </tr> <tr> <td>Shutter speed</td> <td>Off: 1/50 s Automatic 1/50 - 1/100,000 s</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>72 x 63 x 122 mm</td> </tr> <tr> <td>Power consumption</td> <td>3 VA</td> </tr> </table> | Television standard | CCIR: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Synchronisation | Internal: crystal External: line lock | Horizontal resolution | 580 TV lines | Minimum illumination | 0.15 lx (F1.2, AGC 38 dB, 50 IRE video output) | Signal/noise ratio | > 50 dB | Gain control | Off Automatic: max. 38 dB | Infrared sensitive | Up to 880 nm | Back light compensation (BLC) | Off/On | Lens mount | CS (incl. C-mount adapter) | Auto iris lens control | Direct/video drive 2 sockets (rear/side) | Shutter speed | Off: 1/50 s Automatic 1/50 - 1/100,000 s | Dimensions (W x H x D) | 72 x 63 x 122 mm | Power consumption | 3 VA | <p>CCBB1345..</p> |
| Television standard | CCIR: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 580 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.15 lx (F1.2, AGC 38 dB, 50 IRE video output) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off Automatic: max. 38 dB | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infrared sensitive | Up to 880 nm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | Off/On | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens mount | CS (incl. C-mount adapter) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto iris lens control | Direct/video drive 2 sockets (rear/side) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Off: 1/50 s Automatic 1/50 - 1/100,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 72 x 63 x 122 mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 3 VA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBB1345-LC</p> <p>1/3" DSP Monochrome DIP Switch Camera 580 TVL, CCIR, 12 V DC / 24 V AC</p> <p>As CCBB1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC ± 10 %, 50 Hz</td> </tr> <tr> <td>Weight</td> <td>0.45 kg</td> </tr> </table> | Power requirements | 12 V DC / 24 V AC ± 10 %, 50 Hz | Weight | 0.45 kg | <p>2GF1083-8GA</p> | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC ± 10 %, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.45 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBB1345-MC</p> <p>1/3" DSP Monochrome DIP Switch Camera 580 TVL, CCIR, 90 - 260 V AC</p> <p>As CCBB1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>100 - 240 V AC ± 10 %, 50 Hz</td> </tr> <tr> <td>Pixels</td> <td>752 (H) x 582 (V)</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> </table> | Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | Pixels | 752 (H) x 582 (V) | Weight | 0.55 kg | <p>2GF1083-8GB</p> | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | 752 (H) x 582 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |



The right model for every retail application – fixed cameras, vandal-resistant models and speed domes



Retail applications are very demanding for security cameras, with challenges such as not enough light, to bright lights, long distance from target objects, high detail required for evidence etc. The camera portfolio from Siemens has been designed to meet these challenges whether it be a small petrol station shop to a shopping centre, there will be the right model available, utilising the latest chip technologies on the market and to fit your budget. www.siemens.com/cctv

Answers for infrastructure.

SIEMENS





Type

Order No.

CCBC1225-LP

**1/2" DSP Colour Wide Dynamic OSD Camera 480 TVL, PAL,
12 V DC / 24 V AC**

2GF1181-8EA




High-resolution 1/2" colour camera with advanced features including 49-zone programmable back light compensation, wide dynamic, peak-white inversion and adjustable electronic shutter, ensuring the best images all the time. The camera includes a built-in ID system for addressing (via RS485 or TTL) and setup is via on-screen display menu, or via remote setup software. An alarm input triggers up to 4 digital images, stored in the camera and remotely accessible. Supplied with operation and parameterisation software.


| | |
|-------------------------------|--|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 752 (H) x 582 (V) |
| Synchronisation | Internal: crystal External: line lock, video - or HD/VD |
| Horizontal resolution | 480 TV lines |
| Minimum illumination | 0.11 lx (F1.2, AGC 39 dB, 50 IRE) |
| Signal/noise ratio | > 50 dB |
| Dynamic range | 60 dB |
| Gain control | Off Automatic: max. 36 dB |
| Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s Fixed: 8 - 1/30,000 s |
| Back light compensation (BLC) | 49 areas |
| Camera titles | 24 characters (position adjustable) |
| Lens mount | CS (incl. C-mount adapter) |
| Auto iris lens control | Direct/video drive |
| Dimensions (W x H x D) | 74 x 60 x 125 mm |
| Power requirements | 12 V DC, 50 Hz, approx. 330 mA ± 10 % 24 V AC, 50 Hz, approx. 300 mA ± 10 % |
| Power consumption | 5 VA |
| Weight | 0.45 kg |

Cameras and Domes

Colour Cameras


| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|-----------------|--|-----------------------------|--------------|----------------------|----------------------------------|--------------------|---------|--------------|---|-----------------------|--|-------------------------------|---------|---------------|---------------|------------|----------------------------|------------------------|--------------------|---------------|--|------------------------|------------------|-------------------|--------|--------------------------|
| <p>CCBC1327..</p>  <p>1/3" DSP Colour OSD Camera 540 TVL</p> <p>CCBC1327 is a full-featured high-resolution colour camera using the latest CCD technology and advanced digital signal processing techniques to provide crisp, aperture-corrected images for surveillance applications requiring high-resolution images. Features also include camera titles, colour to monochrome switchover and all setup is via intuitive on-screen display menus.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock</td> </tr> <tr> <td>Horizontal resolution</td> <td>540 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>0.6 lx (F1.2, AGC on, 50 IRE)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Gain control</td> <td>Off Fixed: 12/18/24/30/38 dB (sens-up)</td> </tr> <tr> <td>White balance control</td> <td>Automatic: 2500 - 9500 K, 2000 - 18,000 K</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>6 areas</td> </tr> <tr> <td>Camera titles</td> <td>16 characters</td> </tr> <tr> <td>Lens mount</td> <td>CS (incl. C-mount adapter)</td> </tr> <tr> <td>Auto iris lens control</td> <td>Direct/video drive</td> </tr> <tr> <td>Shutter speed</td> <td>Automatic: AES 1/50 - 1/100,000 s Fixed: 8 steps between 1/50 - 1/10,000 s</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>70 x 58 x 117 mm</td> </tr> <tr> <td>Power consumption</td> <td>3.8 VA</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Synchronisation | Internal: crystal External: line lock | Horizontal resolution | 540 TV lines | Minimum illumination | 0.6 lx (F1.2, AGC on, 50 IRE) | Signal/noise ratio | > 50 dB | Gain control | Off Fixed: 12/18/24/30/38 dB (sens-up) | White balance control | Automatic: 2500 - 9500 K, 2000 - 18,000 K | Back light compensation (BLC) | 6 areas | Camera titles | 16 characters | Lens mount | CS (incl. C-mount adapter) | Auto iris lens control | Direct/video drive | Shutter speed | Automatic: AES 1/50 - 1/100,000 s Fixed: 8 steps between 1/50 - 1/10,000 s | Dimensions (W x H x D) | 70 x 58 x 117 mm | Power consumption | 3.8 VA | <p>CCBC1327..</p> |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 540 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.6 lx (F1.2, AGC on, 50 IRE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off Fixed: 12/18/24/30/38 dB (sens-up) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White balance control | Automatic: 2500 - 9500 K, 2000 - 18,000 K | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | 6 areas | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera titles | 16 characters | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens mount | CS (incl. C-mount adapter) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto iris lens control | Direct/video drive | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Automatic: AES 1/50 - 1/100,000 s Fixed: 8 steps between 1/50 - 1/10,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 70 x 58 x 117 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 3.8 VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBC1327-LP</p> <p>1/3" DSP Colour OSD Camera 540 TVL, PAL, 12 V DC / 24 V AC</p> <p>As CCBC1327.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC, 50 Hz</td> </tr> <tr> <td>Weight</td> <td>0.60 kg</td> </tr> </table> | Power requirements | 12 V DC / 24 V AC, 50 Hz | Weight | 0.60 kg | <p>S54561-C25-A1</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.60 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBC1327-MP</p> <p>1/3" DSP Colour OSD Camera 540 TVL, PAL, 100 - 250 V AC</p> <p>As CCBC1327.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>100 - 250 V AC, 50 Hz</td> </tr> <tr> <td>Weight</td> <td>0.70 kg</td> </tr> </table> | Power requirements | 100 - 250 V AC, 50 Hz | Weight | 0.70 kg | <p>S54561-C26-A1</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 250 V AC, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.70 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | |




| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|-------------------|--|--------|-------------------|---------------------------|--------------|----------------------|-------------------------------------|--------------------|---------|--------------|------------------------------|-----------------------|-----------|-------------------------------|---------|------------|----------------------------|------------------------|---|---------------|--|------------------------|------------------|--------------------------|
| <p>CCBC1337..</p>  <p>1/3" DSP Colour DIP Switch Camera 540 TVL</p> <p>CCBC1337 is a super high-resolution colour camera using the latest CCD technology and advanced digital signal processing techniques to provide crisp, aperture-corrected images for surveillance applications requiring the highest resolution images. All camera adjustments are performed via easy-to-use DIP switches located behind a discrete side panel.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock</td> </tr> <tr> <td>Pixels</td> <td>752 (H) x 582 (V)</td> </tr> <tr> <td>Horizontal resolution</td> <td>540 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>0.5 lx (F1.4, AGC 30 dB, 50 IRE)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Gain control</td> <td>Off Automatic: max. 30 dB</td> </tr> <tr> <td>White balance control</td> <td>Automatic</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>6 areas</td> </tr> <tr> <td>Lens mount</td> <td>CS (incl. C-mount adapter)</td> </tr> <tr> <td>Auto iris lens control</td> <td>Direct/video drive 2 sockets (rear/side)</td> </tr> <tr> <td>Shutter speed</td> <td>Off: 1/50 s Automatic: 1/50 - 1/100,000 s</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>72 x 63 x 122 mm</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Synchronisation | Internal: crystal External: line lock | Pixels | 752 (H) x 582 (V) | Horizontal resolution | 540 TV lines | Minimum illumination | 0.5 lx (F1.4, AGC 30 dB, 50 IRE) | Signal/noise ratio | > 50 dB | Gain control | Off Automatic: max. 30 dB | White balance control | Automatic | Back light compensation (BLC) | 6 areas | Lens mount | CS (incl. C-mount adapter) | Auto iris lens control | Direct/video drive 2 sockets (rear/side) | Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s | Dimensions (W x H x D) | 72 x 63 x 122 mm | <p>CCBC1337..</p> |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | 752 (H) x 582 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 540 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.5 lx (F1.4, AGC 30 dB, 50 IRE) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off Automatic: max. 30 dB | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White balance control | Automatic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | 6 areas | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens mount | CS (incl. C-mount adapter) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto iris lens control | Direct/video drive 2 sockets (rear/side) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 72 x 63 x 122 mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBC1337-LP</p> <p>1/3" DSP Colour DIP Switch Camera 540 TVL, PAL, 12 V DC / 24 V AC</p> <p>As CCBC1337.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC, 50 Hz</td> </tr> <tr> <td>Power consumption</td> <td>3.5 W</td> </tr> <tr> <td>Weight</td> <td>0.45 kg</td> </tr> </table> | Power requirements | 12 V DC / 24 V AC, 50 Hz | Power consumption | 3.5 W | Weight | 0.45 kg | <p>2GF1183-8EC</p> | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 3.5 W | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.45 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBC1337-MP</p> <p>1/3" DSP Colour DIP Switch Camera 540 TVL, PAL, 90 - 260 V AC</p> <p>As CCBC1337.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>100 - 240 V AC ± 10 %, 50 Hz</td> </tr> <tr> <td>Power consumption</td> <td>4.5 W</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> </table> | Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | Power consumption | 4.5 W | Weight | 0.55 kg | <p>2GF1183-8EB</p> | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 4.5 W | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |

Cameras and Domes

Colour Cameras

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-----------------|--|---------------------------|-------------------|-----------------------|--------------|----------------------|-------------------------------------|--------------------|---------|--------------|------------------------------|-----------------------|-----------|-------------------------------|--------|------------|----------------------------|------------------------|---|---------------|--|------------------------|------------------|-------------------|------|--------------------------|
| <p>CCBC1345..</p>  <p>1/3" DSP Colour DIP Switch Camera 480 TVL</p> <p>CCBC1345 is a high-resolution colour camera using the latest CCD technology and advanced digital signal processing techniques to provide crisp, aperture-corrected images for surveillance applications requiring high-resolution images. Setup is via DIP switches.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock</td> </tr> <tr> <td>Pixels</td> <td>752 (H) x 582 (V)</td> </tr> <tr> <td>Horizontal resolution</td> <td>480 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>0.6 lx (F1.2, AGC 38 dB, 50 IRE)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Gain control</td> <td>Off Automatic: max. 38 dB</td> </tr> <tr> <td>White balance control</td> <td>Automatic</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>Off/On</td> </tr> <tr> <td>Lens mount</td> <td>CS (incl. C-mount adapter)</td> </tr> <tr> <td>Auto iris lens control</td> <td>Direct/video drive 2 sockets (rear/side)</td> </tr> <tr> <td>Shutter speed</td> <td>Off: 1/50 s Automatic: 1/50 - 1/100,000 s</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>72 x 63 x 122 mm</td> </tr> <tr> <td>Power consumption</td> <td>4 VA</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Synchronisation | Internal: crystal External: line lock | Pixels | 752 (H) x 582 (V) | Horizontal resolution | 480 TV lines | Minimum illumination | 0.6 lx (F1.2, AGC 38 dB, 50 IRE) | Signal/noise ratio | > 50 dB | Gain control | Off Automatic: max. 38 dB | White balance control | Automatic | Back light compensation (BLC) | Off/On | Lens mount | CS (incl. C-mount adapter) | Auto iris lens control | Direct/video drive 2 sockets (rear/side) | Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s | Dimensions (W x H x D) | 72 x 63 x 122 mm | Power consumption | 4 VA | <p>CCBC1345..</p> |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | 752 (H) x 582 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 480 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.6 lx (F1.2, AGC 38 dB, 50 IRE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off Automatic: max. 38 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White balance control | Automatic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | Off/On | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens mount | CS (incl. C-mount adapter) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto iris lens control | Direct/video drive 2 sockets (rear/side) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 72 x 63 x 122 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 4 VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBC1345-LP</p> <p>1/3" DSP Colour DIP Switch Camera 480 TVL, PAL, 12 V DC / 24 V AC</p> <p>As CCBC1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC ± 10 %, 50 Hz</td> </tr> <tr> <td>Weight</td> <td>0.45 kg</td> </tr> </table> | Power requirements | 12 V DC / 24 V AC ± 10 %, 50 Hz | Weight | 0.45 kg | <p>2GF1183-8GA</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC ± 10 %, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.45 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCBC1345-MP</p> <p>1/3" DSP Colour DIP Switch Camera 480 TVL, PAL, 90 - 260 V AC</p> <p>As CCBC1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>100 - 240 V AC ± 10 %, 50 Hz</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> </table> | Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | Weight | 0.55 kg | <p>2GF1183-8GB</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|-------------------|---|-----------------|--|---------------------------|-----------------------------|----------------------|--|--------------------|---------|---------------|--------|--------------|----------------------------------|-----------------------|--|-------------------------------|---------|--------------------------------|---------------|------------------------|------------------|--------------------------|
| <p>CCWC1345..</p>  <p>1/3" CMOS PIXIM Ultra Wide Dynamic Colour OSD Camera</p> <p>CCWC1345 is a 500 TVL high-resolution colour camera using the latest CMOS image sensor and 32 Bit DPS (Digital Pixel System, PIXIM D2500) techniques to provide crisp, aperture-corrected images for surveillance applications requiring detailed images, even under extreme illumination conditions.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 2:1 interlace Horizontal: 15.625 Hz Vertical: 50 Hz NTSC: 2:1 interlace Horizontal: 15.734 Hz Vertical: 59.94 Hz</td> </tr> <tr> <td>Image sensor</td> <td>1/3" CMOS, PIXIM* D2500, 720 x 540 active pixels</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock (AC only)</td> </tr> <tr> <td>Horizontal resolution</td> <td>> 500 TV lines (Y/C output)</td> </tr> <tr> <td>Minimum illumination</td> <td>0.5 lx (F1.4, AGC 30 dB, 50 IRE video output)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Dynamic range</td> <td>120 dB</td> </tr> <tr> <td>Gain control</td> <td>Off Fixed: 0/6/12/18/24/30 dB</td> </tr> <tr> <td>White balance control</td> <td>Automatic: range depending on preset mode Manual: 40 steps by push button for R and B</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>6 areas</td> </tr> <tr> <td>Ambient temperature, operating</td> <td>-10 to +55 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>72 x 63 x 122 mm</td> </tr> </table> | Television standard | PAL: 2:1 interlace Horizontal: 15.625 Hz Vertical: 50 Hz NTSC: 2:1 interlace Horizontal: 15.734 Hz Vertical: 59.94 Hz | Image sensor | 1/3" CMOS, PIXIM* D2500, 720 x 540 active pixels | Synchronisation | Internal: crystal External: line lock (AC only) | Horizontal resolution | > 500 TV lines (Y/C output) | Minimum illumination | 0.5 lx (F1.4, AGC 30 dB, 50 IRE video output) | Signal/noise ratio | > 50 dB | Dynamic range | 120 dB | Gain control | Off Fixed: 0/6/12/18/24/30 dB | White balance control | Automatic: range depending on preset mode Manual: 40 steps by push button for R and B | Back light compensation (BLC) | 6 areas | Ambient temperature, operating | -10 to +55 °C | Dimensions (W x H x D) | 72 x 63 x 122 mm | <p>CCWC1345..</p> |
| Television standard | PAL: 2:1 interlace Horizontal: 15.625 Hz Vertical: 50 Hz NTSC: 2:1 interlace Horizontal: 15.734 Hz Vertical: 59.94 Hz | | | | | | | | | | | | | | | | | | | | | | | | |
| Image sensor | 1/3" CMOS, PIXIM* D2500, 720 x 540 active pixels | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock (AC only) | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | > 500 TV lines (Y/C output) | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.5 lx (F1.4, AGC 30 dB, 50 IRE video output) | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | |
| Dynamic range | 120 dB | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off Fixed: 0/6/12/18/24/30 dB | | | | | | | | | | | | | | | | | | | | | | | | |
| White balance control | Automatic: range depending on preset mode Manual: 40 steps by push button for R and B | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | 6 areas | | | | | | | | | | | | | | | | | | | | | | | | |
| Ambient temperature, operating | -10 to +55 °C | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 72 x 63 x 122 mm | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCWC1345-LX</p> <p>1/3" CMOS PIXIM Ultra Wide Dynamic OSD Colour Camera, 500 TVL, PAL/NTSC, 1 Privacy Zone, 12 V DC / 24 V AC</p> <p>As CCWC1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC</td> </tr> <tr> <td>Power consumption</td> <td>4 VA</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> </table> | Power requirements | 12 V DC / 24 V AC | Power consumption | 4 VA | Weight | 0.55 kg | <p>2GF1183-8HA</p> | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 4 VA | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CCWC1345-MX</p> <p>1/3" CMOS PIXIM Ultra Wide Dynamic OSD Colour Camera, 500 TVL, PAL/NTSC, 1 Privacy Zone, 90 - 260 V AC</p> <p>As CCWC1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>100 - 240 V AC ± 10 %, 50/60 Hz</td> </tr> <tr> <td>Power consumption</td> <td>4.5 VA</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> </table> | Power requirements | 100 - 240 V AC ± 10 %, 50/60 Hz | Power consumption | 4.5 VA | Weight | 0.55 kg | <p>2GF1183-8HB</p> | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC ± 10 %, 50/60 Hz | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 4.5 VA | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | | | | | |

Cameras and Domes

Colour Cameras

Type

Order No.

CCAC1425-LPI

1/4" CCD High-Resolution Colour OSD Camera PAL, Indoor Use, 480 TVL, 22x Optical Zoom, Auto Focus, 12 V DC / 24 V AC

S54561-C20-A1



The CCAC1425-LPI is a high-resolution colour camera with built-in auto focus zoom lens with max. 242x zoom. The camera is designed for indoor use under variable lighting conditions.

| | |
|--------------------------------|---|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.734 KHz Vertical: 59.94 Hz |
| Pixels | 795 (H) x 596 (V) |
| Image sensor | 1/4" SONY Super HAD CCD |
| Synchronisation | Internal: crystal External: line lock |
| Horizontal resolution | 480 TV lines |
| Remote controls | RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molynx, Pelco-D/-P |
| Presets | 10 |
| Minimum illumination | 1.0 lx (F1.6, AGC on, 50 IRE video output) Slow-shutter: 0.02 lx |
| Zoom | 22x optical, 11x digital (video AF) |
| Focal length | 3.9 - 85.8 mm |
| Maximum relative aperture | F1.6 (wide) - F3.7 (tele) |
| Slow speed shutter | 2x - 60x |
| Signal/noise ratio | 52 dB (AGC off) |
| Ambient temperature, operating | -10 to +50 °C |
| Dimensions (W x H x D) | 72 x 74 x 121.4 mm |
| Power requirements | 12 V DC / 24 V AC |
| Power consumption | 6.5 VA |
| Weight | 0.40 kg |



Type

Order No.

CCAC1425-LPO

1/4" CCD High-Resolution Colour OSD Camera PAL, Outdoor Use, 480 TVL, 22x Optical Zoom, Auto Focus, 12 V DC / 24 V AC

S54561-C21-A1



The CCAC1425-LPO is a high-resolution colour camera with built-in auto focus zoom lens with max. 242x zoom. The camera is designed for outdoor use under variable lighting conditions. It is built into a compact and attractively styled weatherproof housing with sunshield incorporated.

| | |
|--------------------------------|---|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 795 (H) x 596 (V) |
| Image sensor | 1/4" SONY Super HAD CCD |
| Synchronisation | Internal: crystal External: line lock (AC only) |
| Horizontal resolution | 480 TV lines |
| Remote controls | RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molynx, Pelco-D/-P |
| Presets | 10 |
| Minimum illumination | 1.0 lx (F1.6, AGC on, 50 IRE video output) Slow-shutter: 0.02 lx |
| Zoom | 22x optical, 11x digital (video AF) |
| Focal length | 3.9 - 85.8 mm |
| Maximum relative aperture | F1.6 (wide) - F3.7 (tele) |
| Slow speed shutter | 2x - 60x |
| Signal/noise ratio | 52 dB (AGC off) |
| Ambient temperature, operating | -10 to +50 °C |
| Power requirements | 12 V DC / 24 V AC |
| Power consumption | 9.0 VA |
| Dimensions (W x H x D) | 120 x 120 x 185 mm |
| Weight | 1.50 kg |

Camera features ...



Slow/fast shutter speed

| | | |
|-----------|-------------|---------|
| SHUTTER | 1/50 | |
| BLC | ON | |
| SYNC | INT | |
| LEVEL | IRIS LEVEL | |
| CONFIGURE | | |
| CAM TITLE | TITLE | |
| WHITE BAL | ATW/MTW/SET | |
| EXIT | CANCEL | DEFAULT |

On-screen display menu



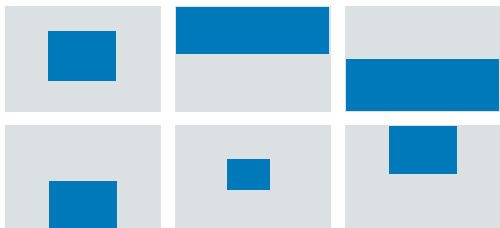
Too bright

Too dark

Perfect view with
Wide Dynamic On



One screw easy back focus adjustment



Menu allows programming of six different
modes of back light compensation



Lens cable tray included top and bottom

... for all applications.



Type

Order No.

CCBS1225-LP

**1/2" DSP Day/Night Wide Dynamic OSD Camera 480 TVL, PAL,
12 V DC / 24 V AC**

2GF1118-8EA




High-resolution day/night camera with mechanical infrared cut filter, providing crisp aperture-corrected and low-smear images 24 hours a day. In night mode the camera is infrared sensitive and can be used with infrared illumination. Advanced features include 49-zone programmable back light compensation, wide dynamic range, peak-white inversion and adjustable electronic shutter, ensuring the best images all the time. The camera includes a built-in ID system for addressing (via RS485 or TTL) and setup is via on-screen display menu, or via remote setup software. An alarm input triggers up to 4 digital images, stored in the camera and remotely accessible. Supplied with operation and parameterisation software.

| | |
|-------------------------------|---|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 752 (H) x 582 (V) |
| Synchronisation | Internal: crystal External: line lock, video - or HD/VD |
| Horizontal resolution | 480 TV lines |
| Minimum illumination | Colour: 0.045 lx (F1.2, AGC 39 dB, 50 IRE) B/W: 0.008 lx (F1.2, AGC 39 dB, 50 IRE) |
| Signal/noise ratio | >50 dB |
| Dynamic range | 60 dB |
| Gain control | Off Automatic: max. 36 dB |
| White balance control | Manual/Automatic |
| Back light compensation (BLC) | 49 areas |
| Infrared sensitive | 880 nm, b/w |
| Camera titles | 24 characters |
| Lens mount | CS (incl. C-mount adapter) |
| Auto iris lens control | Direct/video drive |
| Dimensions (W x H x D) | 74 x 60 x 125 mm |
| Power requirements | 12 V DC, 50 Hz, approx. 330 mA ± 10 % 24 V AC, 50 Hz, approx. 300 mA ± 10 % |
| Power consumption | 5 VA |
| Weight | 0.45 kg |

Cameras and Domes

Day/Night Cameras

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------------------|---|---------|-------------------|-----------------------|--------------|----------------------|--|--------------------|---------|--------------|------------------------------|---------------|---|-----------------------|-------------------------------|-------------------------------|---------|---------------|---------------|--------------------|-------------|------------|----------------------------|------------------------|---|------------------|----------|--------------|--------------------|---------------|--------------------------------|------------------------|------------------|-------------------|---|
| CCBS1337.. | CCBS1337.. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>1/3" DSP Day/Night OSD Camera 540 TVL</p> <p>CCBS1337 is a super high-resolution day/night camera using the latest CCD technology and advanced digital signal processing techniques to provide crisp, aperture-corrected images for surveillance applications requiring the highest resolution images. This camera has a mechanical infrared cut filter, providing crisp aperture-corrected, low-smear images 24 hours a day. In night mode, the camera is infrared sensitive and should be used with infrared illumination.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Pixels</td> <td>752 (H) x 582 (V)</td> </tr> <tr> <td>Horizontal resolution</td> <td>540 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>Colour: 0.4 lx (F1.4, AGC 30 dB, 50 IRE) B/W: 0.08 lx (F1.4, AGC 30 dB, 50 IRE)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Gain control</td> <td>Off Automatic: max. 30 dB</td> </tr> <tr> <td>Shutter speed</td> <td>Off: 1/50 s Automatic: 1/50 - 1/100,000 s Fixed: 1/50... 1/10,000 s</td> </tr> <tr> <td>White balance control</td> <td>Manual / Automatic / One push</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>6 areas</td> </tr> <tr> <td>Camera titles</td> <td>16 characters</td> </tr> <tr> <td>Infrared sensitive</td> <td>880 nm, b/w</td> </tr> <tr> <td>Lens mount</td> <td>CS (incl. C-mount adapter)</td> </tr> <tr> <td>Auto iris lens control</td> <td>Direct/video drive 2 sockets (rear/side)</td> </tr> <tr> <td>Gamma correction</td> <td>0.45/1.0</td> </tr> <tr> <td>Image sensor</td> <td>1/3" interline CCD</td> </tr> <tr> <td>Tripod thread</td> <td>A(1/4), 1/4" on bottom and top</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>72 x 63 x 122 mm</td> </tr> <tr> <td>Power consumption</td> <td>5 VA, 8 VA (incl. IR-cut filter movement)</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Pixels | 752 (H) x 582 (V) | Horizontal resolution | 540 TV lines | Minimum illumination | Colour: 0.4 lx (F1.4, AGC 30 dB, 50 IRE) B/W: 0.08 lx (F1.4, AGC 30 dB, 50 IRE) | Signal/noise ratio | > 50 dB | Gain control | Off Automatic: max. 30 dB | Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s Fixed: 1/50... 1/10,000 s | White balance control | Manual / Automatic / One push | Back light compensation (BLC) | 6 areas | Camera titles | 16 characters | Infrared sensitive | 880 nm, b/w | Lens mount | CS (incl. C-mount adapter) | Auto iris lens control | Direct/video drive 2 sockets (rear/side) | Gamma correction | 0.45/1.0 | Image sensor | 1/3" interline CCD | Tripod thread | A(1/4), 1/4" on bottom and top | Dimensions (W x H x D) | 72 x 63 x 122 mm | Power consumption | 5 VA, 8 VA (incl. IR-cut filter movement) |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | 752 (H) x 582 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 540 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | Colour: 0.4 lx (F1.4, AGC 30 dB, 50 IRE) B/W: 0.08 lx (F1.4, AGC 30 dB, 50 IRE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off Automatic: max. 30 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s Fixed: 1/50... 1/10,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White balance control | Manual / Automatic / One push | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | 6 areas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera titles | 16 characters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infrared sensitive | 880 nm, b/w | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens mount | CS (incl. C-mount adapter) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auto iris lens control | Direct/video drive 2 sockets (rear/side) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gamma correction | 0.45/1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Image sensor | 1/3" interline CCD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tripod thread | A(1/4), 1/4" on bottom and top | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 72 x 63 x 122 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 5 VA, 8 VA (incl. IR-cut filter movement) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCBS1337-LP | 2GF1118-8FA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>1/3" DSP Day/Night OSD Camera 540 TVL, PAL, 8 Privacy Zones, 12 V DC / 24 V AC</p> <p>As CCBS1337.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC, 50 Hz</td> </tr> <tr> <td>Weight</td> <td>0.45 kg</td> </tr> </table> | Power requirements | 12 V DC / 24 V AC, 50 Hz | Weight | 0.45 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.45 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCBS1337-MP | 2GF1118-8FB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>1/3" DSP Day/Night OSD Camera 540 TVL, PAL, 8 Privacy Zones, 90 - 260 V AC</p> <p>As CCBS1337.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>100 - 240 V AC ± 10 %, 50 Hz</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> </table> | Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC ± 10 %, 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Type

Order No.

CCWC1335..



1/3" DSP Day/Night, Wide Dynamic OSD Camera 480 TVL

CCWC1337 is a high-resolution wide dynamic colour camera using the latest CCD technology and advanced digital signal processing techniques to provide crisp, aperture-corrected images for surveillance applications requiring the highest resolution images. The use of wide dynamic technology ensures clear viewing in any bright back-lit scenes. This camera has a mechanical infrared cut filter, providing crisp aperture-corrected, low-smear images 24 hours a day. In night mode the camera is infrared sensitive and should be used with infrared illumination.

| | |
|-------------------------------|---|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 752 (H) x 582 (V) |
| Horizontal resolution | > 480 TV lines |
| Minimum illumination | Colour: 0.4 lx (F1.4, AGC 30 dB, 50 IRE) B/W: 0.08 lx (F1.4, AGC 30 dB, 50 IRE) |
| Signal/noise ratio | > 50 dB |
| Dynamic range | 60 dB |
| Gain control | Off Automatic: max. 30 dB |
| Shutter speed | Automatic: 1/50 - 1/100,000 s Manual: 1/50 s, 1/120, 1/250, 1/400, 1/1K, 1/2K, 1/5K, 1/10K |
| White balance control | Manual / Automatic / One push |
| Back light compensation (BLC) | 6 areas |
| Camera titles | 16 characters |
| Infrared sensitive | 880 nm, b/w |
| Lens mount | CS (incl. C-mount adapter) |
| Auto iris lens control | Direct/video drive 2 sockets (rear/side) |
| Gamma correction | 0.45/1.0 |
| Image sensor | 1/3-inch interline CCD |
| Tripod thread | A(1/4), 1/4" on bottom and top |
| Dimensions (W x H x D) | 72 x 63 x 122 mm |
| Power consumption | 5 VA, 8 VA (incl. IR-cut filter movement) |

CCWC1335..

CCWC1335-LP

1/3" DSP Day/Night, Wide Dynamic OSD Camera 480 TVL, 8 Privacy Zones, 12 V DC / 24 VAC

As CCWC1335.. for technical details, but with the following differences:

| | |
|--------------------|--------------------------|
| Power requirements | 12 V DC / 24 V AC, 50 Hz |
| Weight | 0.45 kg |

2GF1183-8FC

CCWC1335-MP

1/3" DSP Day/Night, Wide Dynamic OSD Camera 480 TVL, 8 Privacy Zones, 90 - 260 V AC


As CCWC1335.. for technical details, but with the following differences:

| | |
|--------------------|------------------------------|
| Power requirements | 100 - 240 V AC ± 10 %, 50 Hz |
| Weight | 0.55 kg |

2GF1183-8FB

Cameras and Domes

Day/Night Cameras

| Type | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|---|-----------------------|---|----------------------|--|---------------------------|---------|---------------|--|-------------------------------|--------|------------------|------|--------------|--|---------------|---------------------------------|------------------------|------------------|--------------------------|
| <p>CCBS1345..</p>  <p>1/3" DSP High-Resolution DIP Switch Day/Night Colour Camera</p> <p>CCBS1345 is equipped with a mechanical IR filter that provides good picture quality 24 hours a day in colour and black/white mode. The switch-over from colour to black/white can be performed automatically, depending on ambient light conditions (3 levels selectable), or by an external signal using the switch input of the camera.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Horizontal resolution</td> <td>Colour: 480 TV lines B/W: 540 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>Colour: 0.3 lx (F1.4, AGC 30 dB, 50 IRE video output) B/W: 0.08 lx (F1.4, AGC 30 dB, 50 IRE video output)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Shutter speed</td> <td>Off: 1/50 s Automatic: 1/50 - 1/100,000 s</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>Off/On</td> </tr> <tr> <td>Gamma correction</td> <td>0.45</td> </tr> <tr> <td>Image sensor</td> <td>1/3" interline CCD, 752 x 582 active pixels</td> </tr> <tr> <td>Tripod thread</td> <td>A (1/4), 1/4" on bottom and top</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>72 x 63 x 122 mm</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Horizontal resolution | Colour: 480 TV lines B/W: 540 TV lines | Minimum illumination | Colour: 0.3 lx (F1.4, AGC 30 dB, 50 IRE video output) B/W: 0.08 lx (F1.4, AGC 30 dB, 50 IRE video output) | Signal/noise ratio | > 50 dB | Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s | Back light compensation (BLC) | Off/On | Gamma correction | 0.45 | Image sensor | 1/3" interline CCD, 752 x 582 active pixels | Tripod thread | A (1/4), 1/4" on bottom and top | Dimensions (W x H x D) | 72 x 63 x 122 mm | <p>CCBS1345..</p> |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | Colour: 480 TV lines B/W: 540 TV lines | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | Colour: 0.3 lx (F1.4, AGC 30 dB, 50 IRE video output) B/W: 0.08 lx (F1.4, AGC 30 dB, 50 IRE video output) | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Off: 1/50 s Automatic: 1/50 - 1/100,000 s | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | Off/On | | | | | | | | | | | | | | | | | | | | |
| Gamma correction | 0.45 | | | | | | | | | | | | | | | | | | | | |
| Image sensor | 1/3" interline CCD, 752 x 582 active pixels | | | | | | | | | | | | | | | | | | | | |
| Tripod thread | A (1/4), 1/4" on bottom and top | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 72 x 63 x 122 mm | | | | | | | | | | | | | | | | | | | | |
| <p>CCBS1345-LP</p> <p>1/3" DSP High-Resolution DIP Switch Day/Night Colour Camera; 480 TVL, PAL, 12 V DC / 24 V AC, 50 Hz</p> <p>As CCBS1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC</td> </tr> <tr> <td>Power consumption</td> <td>4 VA</td> </tr> <tr> <td>Weight</td> <td>0.45 kg</td> </tr> </table> | Power requirements | 12 V DC / 24 V AC | Power consumption | 4 VA | Weight | 0.45 kg | <p>2GF1118-8GA</p> | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 4 VA | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.45 kg | | | | | | | | | | | | | | | | | | | | |
| <p>CCBS1345-MP</p> <p>1/3" DSP High-Resolution DIP Switch Day/Night Colour Camera; 480 TVL, PAL, 90 - 260 V AC, 50 Hz</p> <p>As CCBS1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>100 - 240 V AC ± 10 %</td> </tr> <tr> <td>Power consumption</td> <td>4.5 VA</td> </tr> <tr> <td>Weight</td> <td>0.55 kg</td> </tr> </table> | Power requirements | 100 - 240 V AC ± 10 % | Power consumption | 4.5 VA | Weight | 0.55 kg | <p>2GF1118-8GB</p> | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC ± 10 % | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 4.5 VA | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.55 kg | | | | | | | | | | | | | | | | | | | | |



Type

Order No.

CCAS1425-LPO

1/4" CCD High-Resolution Day/Night OSD Camera PAL, Outdoor Use, 480 TVL, 22x Optical Zoom, Auto Focus, 12 V DC / 24 V AC

S54561-C23-A1








The CCAS1425-LPO is a high-resolution (480/530 TVL) day/night camera with built-in auto focus zoom lens with max. 242x zoom. The camera is designed for outdoor use under variable lighting conditions. It is built into a compact and attractively styled weatherproof housing with sunshield incorporated. As a result of the day/night function, the camera offers optimum picture quality both under variable daylight conditions and also when used at night with infrared light.


| | |
|--------------------------------|--|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 795 (H) x 596 (V) |
| Image sensor | 1/4" SONY Super HAD CCD |
| Synchronisation | Internal: crystal External: line lock |
| Horizontal resolution | 480 TV lines |
| Remote controls | RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molyntx, Pelco-DI-P |
| Presets | 10 |
| Minimum illumination | 0.5 lx (F 1.6, AGC on, 50 IRE video output) B/W: 0.05 lx Slow-shutter: 0.001 lx |
| Zoom | 22x optical zoom, 11x digital zoom (video AF) |
| Focal length | 3.9 - 85.8 mm |
| Maximum relative aperture | F1.6 (wide) - F3.7 (tele) |
| Slow speed shutter | 2x - 60x |
| Signal/noise ratio | 52 dB (AGC off) |
| Ambient temperature, operating | -10 to +50 °C |
| Dimensions (W x H x D) | 120 x 120 x 185 mm |
| Power requirements | 12 V DC / 24 V AC |
| Power consumption | 9 VA |
| Weight | 1.50 kg |

Cameras and Domes

Camera Mounts

| Type | Order No. | | | | | | | | | | |
|--|------------------------|------------------------|-------------|------------------------|-----------------------|-----------------|-----------------------|-----------------|--------|---------|--|
| CWCB140  | 2GF1710-8BC | | | | | | | | | | |
| <p>Universal Camera Mount 140 mm</p> <p>Easily adjusted, universal camera mount suitable for wall or ceiling mounting of cameras.</p> <table border="0"> <tr> <td>Installation</td> <td>Ceiling/Wall</td> </tr> <tr> <td>Colour</td> <td>Silver (RAL 9006)</td> </tr> <tr> <td>Load rating</td> <td>Approx. 2.00 kg</td> </tr> <tr> <td>Dimensions (dia. x l)</td> <td>56 x 140 mm</td> </tr> <tr> <td>Weight</td> <td>0.12 kg</td> </tr> </table> | Installation | Ceiling/Wall | Colour | Silver (RAL 9006) | Load rating | Approx. 2.00 kg | Dimensions (dia. x l) | 56 x 140 mm | Weight | 0.12 kg | |
| Installation | Ceiling/Wall | | | | | | | | | | |
| Colour | Silver (RAL 9006) | | | | | | | | | | |
| Load rating | Approx. 2.00 kg | | | | | | | | | | |
| Dimensions (dia. x l) | 56 x 140 mm | | | | | | | | | | |
| Weight | 0.12 kg | | | | | | | | | | |
| CWCB210  | 2GF1710-8AP | | | | | | | | | | |
| <p>Universal Camera Mount 210 mm</p> <p>Easily adjusted, universal camera mount suitable for wall or ceiling mounting of cameras.</p> <table border="0"> <tr> <td>Installation</td> <td>Ceiling/Wall</td> </tr> <tr> <td>Colour</td> <td>Pebble grey (RAL 7032)</td> </tr> <tr> <td>Load rating</td> <td>Approx. 2.00 kg</td> </tr> <tr> <td>Dimensions (dia. x l)</td> <td>54 x 210 mm</td> </tr> <tr> <td>Weight</td> <td>0.16 kg</td> </tr> </table> | Installation | Ceiling/Wall | Colour | Pebble grey (RAL 7032) | Load rating | Approx. 2.00 kg | Dimensions (dia. x l) | 54 x 210 mm | Weight | 0.16 kg | |
| Installation | Ceiling/Wall | | | | | | | | | | |
| Colour | Pebble grey (RAL 7032) | | | | | | | | | | |
| Load rating | Approx. 2.00 kg | | | | | | | | | | |
| Dimensions (dia. x l) | 54 x 210 mm | | | | | | | | | | |
| Weight | 0.16 kg | | | | | | | | | | |
| CWCB210-310  | 2GF1710-8AQ | | | | | | | | | | |
| <p>Universal Camera Mount 210-310 mm</p> <p>Easily adjusted, universal camera mount suitable for wall or ceiling mounting of cameras.</p> <table border="0"> <tr> <td>Installation</td> <td>Ceiling/Wall</td> </tr> <tr> <td>Colour</td> <td>Pebble grey (RAL 7032)</td> </tr> <tr> <td>Load rating</td> <td>Approx. 2.00 kg</td> </tr> <tr> <td>Dimensions (dia. x l)</td> <td>54 x 210-310 mm</td> </tr> <tr> <td>Weight</td> <td>0.21 kg</td> </tr> </table> | Installation | Ceiling/Wall | Colour | Pebble grey (RAL 7032) | Load rating | Approx. 2.00 kg | Dimensions (dia. x l) | 54 x 210-310 mm | Weight | 0.21 kg | |
| Installation | Ceiling/Wall | | | | | | | | | | |
| Colour | Pebble grey (RAL 7032) | | | | | | | | | | |
| Load rating | Approx. 2.00 kg | | | | | | | | | | |
| Dimensions (dia. x l) | 54 x 210-310 mm | | | | | | | | | | |
| Weight | 0.21 kg | | | | | | | | | | |
| CCCB210  | 2GF1710-8AR | | | | | | | | | | |
| <p>Ceiling Camera Bracket 210 mm</p> <p>Easily adjusted, universal camera mount suitable for ceiling mounting of cameras.</p> <table border="0"> <tr> <td>Installation</td> <td>Ceiling</td> </tr> <tr> <td>Colour</td> <td>Pebble grey (RAL 7032)</td> </tr> <tr> <td>Load rating</td> <td>Approx. 2.00 kg</td> </tr> <tr> <td>Dimensions (dia. x l)</td> <td>54 x 210 mm</td> </tr> <tr> <td>Weight</td> <td>0.44 kg</td> </tr> </table> | Installation | Ceiling | Colour | Pebble grey (RAL 7032) | Load rating | Approx. 2.00 kg | Dimensions (dia. x l) | 54 x 210 mm | Weight | 0.44 kg | |
| Installation | Ceiling | | | | | | | | | | |
| Colour | Pebble grey (RAL 7032) | | | | | | | | | | |
| Load rating | Approx. 2.00 kg | | | | | | | | | | |
| Dimensions (dia. x l) | 54 x 210 mm | | | | | | | | | | |
| Weight | 0.44 kg | | | | | | | | | | |
| CCCB210-310  | 2GF1710-8AS | | | | | | | | | | |
| <p>Ceiling Camera Bracket 210-310 mm</p> <p>For installation of a camera without protective housing on a ceiling.</p> <table border="0"> <tr> <td>Colour</td> <td>Pebble grey (RAL 7032)</td> </tr> <tr> <td>Load rating</td> <td>Approx. 2.00 kg</td> </tr> <tr> <td>Dimensions (dia. x l)</td> <td>54 x 210-310 mm</td> </tr> <tr> <td>Weight</td> <td>0.44 kg</td> </tr> </table> | Colour | Pebble grey (RAL 7032) | Load rating | Approx. 2.00 kg | Dimensions (dia. x l) | 54 x 210-310 mm | Weight | 0.44 kg | | | |
| Colour | Pebble grey (RAL 7032) | | | | | | | | | | |
| Load rating | Approx. 2.00 kg | | | | | | | | | | |
| Dimensions (dia. x l) | 54 x 210-310 mm | | | | | | | | | | |
| Weight | 0.44 kg | | | | | | | | | | |






| Type | Order No. | | | | | | | | | | |
|--|----------------------|----------------------|--------------|------------------|-------------|---------------------|-----------------------|-------------|--------|---------|------------------------|
| <p>CAB1420</p>  <p>Universal Camera Mount 140 mm</p> <p>Easily adjusted, universal camera mount suitable for wall, ceiling or shelf mounting of cameras.</p> <table border="0"> <tr> <td>Installation</td> <td>Ceiling/Wall</td> </tr> <tr> <td>Colour</td> <td>Silver and black</td> </tr> <tr> <td>Finish</td> <td>Epoxy powder-coated</td> </tr> <tr> <td>Dimensions (dia. x l)</td> <td>56 x 140 mm</td> </tr> <tr> <td>Weight</td> <td>0.25 kg</td> </tr> </table> | Installation | Ceiling/Wall | Colour | Silver and black | Finish | Epoxy powder-coated | Dimensions (dia. x l) | 56 x 140 mm | Weight | 0.25 kg | <p>2GF1710-8BD</p> |
| Installation | Ceiling/Wall | | | | | | | | | | |
| Colour | Silver and black | | | | | | | | | | |
| Finish | Epoxy powder-coated | | | | | | | | | | |
| Dimensions (dia. x l) | 56 x 140 mm | | | | | | | | | | |
| Weight | 0.25 kg | | | | | | | | | | |
| <p>CAB1920</p>  <p>Universal Camera Mount 190 mm</p> <p>Easily adjusted, universal camera mount suitable for wall, ceiling or shelf mounting of cameras.</p> <table border="0"> <tr> <td>Installation</td> <td>Ceiling/Wall</td> </tr> <tr> <td>Colour</td> <td>Silver and black</td> </tr> <tr> <td>Finish</td> <td>Epoxy powder-coated</td> </tr> <tr> <td>Dimensions (dia. x l)</td> <td>56 x 190 mm</td> </tr> <tr> <td>Weight</td> <td>0.24 kg</td> </tr> </table> | Installation | Ceiling/Wall | Colour | Silver and black | Finish | Epoxy powder-coated | Dimensions (dia. x l) | 56 x 190 mm | Weight | 0.24 kg | <p>2GF1710-8BE</p> |
| Installation | Ceiling/Wall | | | | | | | | | | |
| Colour | Silver and black | | | | | | | | | | |
| Finish | Epoxy powder-coated | | | | | | | | | | |
| Dimensions (dia. x l) | 56 x 190 mm | | | | | | | | | | |
| Weight | 0.24 kg | | | | | | | | | | |
| <p>VCM910-HD</p>  <p>Heavy-Duty Camera Wall or Ceiling Mount 170 mm</p> <p>Easily adjusted, heavy-duty camera mount suitable for wall or ceiling mounting of cameras.</p> <table border="0"> <tr> <td>Colour</td> <td>Off-white (RAL 9002)</td> </tr> <tr> <td>Installation</td> <td>Ceiling/Wall</td> </tr> <tr> <td>Load rating</td> <td>5.00 kg</td> </tr> <tr> <td>Arm length</td> <td>170 mm</td> </tr> <tr> <td>Weight</td> <td>0.20 kg</td> </tr> </table> | Colour | Off-white (RAL 9002) | Installation | Ceiling/Wall | Load rating | 5.00 kg | Arm length | 170 mm | Weight | 0.20 kg | <p>GBQ:A5571550001</p> |
| Colour | Off-white (RAL 9002) | | | | | | | | | | |
| Installation | Ceiling/Wall | | | | | | | | | | |
| Load rating | 5.00 kg | | | | | | | | | | |
| Arm length | 170 mm | | | | | | | | | | |
| Weight | 0.20 kg | | | | | | | | | | |

Cameras and Domes

Fixed Domes Overview

Fixed dome overview

| | Monofocal | Varifocal | |
|---------------------------------|---|--|---|
| | CFFC1317 | CFVS1317 | CFVC1317 |
| |  |  |  |
| | Colour | Day/night | Colour |
| CCD size | 1/3" | 1/3" | 1/3" |
| TV lines | 540 | 540 | 540 |
| Resolution | High | High | High |
| Lens type Focal length | Manual iris 3.7 mm | Auto-iris 3.7 mm ~ 12 mm | Auto-iris 3.7 mm ~ 12 mm |
| Horizontal angle of view | 70° | 22.7° ~ 76.9° | 22.7° ~ 76.9° |
| Minimum illumination (50 IRE) | | | |
| – Clear bubble | 0.13 Lux | 0.29 Lux (colour)/ 0.21 Lux (mono) | 0.24 Lux |
| – Tinted bubble | 0.26 Lux | 0.53 Lux (colour)/ 0.43 Lux (mono) | 0.46 Lux |
| Dual power 12 V DC / 24 V AC | ■ | ■ | ■ |
| TV standard | PAL | PAL | PAL |
| S/N-ratio | > 50 dB | > 50 dB | > 50 dB |
| Back light compensation (BLC) | ■ | ■ | ■ |
| Colour/mono switchover | | ■ | |
| Infrared cut filter | | mechanical | |
| Automatic gain control (AGC) | ■ | ■ | ■ |
| Electronic shutter | auto/ 1/50 ~ 1/100000 s | auto/ 1/50 ~ 1/100000 s | auto/ 1/50 ~ 1/100000 s |
| Line lock synchronisation | ■ | ■ | ■ |
| Remote programming | ■ | ■ | ■ |
| RS232 interface | ■ | ■ | ■ |
| Local service monitor connector | ■ | ■ | ■ |
| Wall or ceiling mount | ■ | ■ | ■ |
| Vandal protection rating | | | |

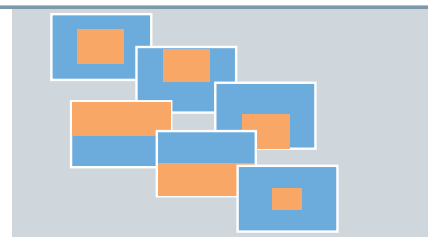
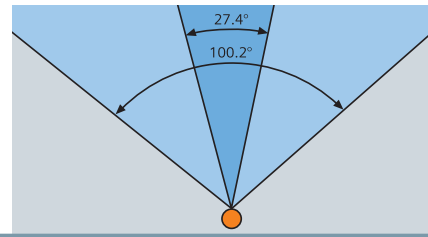
Options

| | CFFA-TD | CFFA-CD | CFFA-IC29 | CFFA-IC37 | CFFA-IC60 | CFFA-IC12 | CFFA-RS |
|----------|---|---|---|---|--|---|---|
| |  |  |  |  |  |  |  |
| | Tinted bubble | Clear bubble | 2.9 mm lens | 3.7 mm lens | 6 mm lens | 12 mm lens | Remote setup kit |
| CFFC1317 | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| CFVS1317 | ■ | ■ | | | | | delivered with product |
| CFVC1317 | ■ | ■ | | | | | ■ |
| CVVS1317 | | | | | | | delivered with product |
| CVVC1317 | | | | | | | delivered with product |
| CVWC1325 | | | | | | | ■ |



| Vandal-resistant, varifocal | | |
|--|----------------------------|-----------------------------|
| CVVS1317 | CVVC1317 | CVWC1325 |
| | | |
| Day/night | Colour | Colour |
| 1/3" | 1/3" | 1/3" (CMOS, PIXIM) |
| 540 | 540 | 500 |
| High | High | High |
| Auto-iris 3.7 mm ~ 12mm | Auto-iris 3.7 mm ~ 12mm | Auto-iris 2.8 mm ~ 10 mm |
| 22.7° ~ 76.9° | 22.7° ~ 76.9° | 27.4° ~ 100.2° |
| 0.29 Lux (colour)/ 0.21 Lux (mono) 0.53 Lux (colour)/ 0.43 Lux (mono) | 0.24 Lux 0.46 Lux | 0.6 Lux (F1.3) |
| ■ | ■ | ■ |
| PAL | PAL | PAL or NTSC |
| > 50 dB | > 50 dB | > 50 dB |
| ■ | ■ | ■ |
| ■ | | |
| mechanical | | |
| ■ | ■ | ■ |
| auto/ 1/50 ~ 1/100000 s | auto/ 1/50 ~ 1/100000 s | |
| ■ | ■ | ■ |
| ■ | ■ | ■ |
| ■ | ■ | RS485 |
| ■ | ■ | |
| ■ | ■ | ■ |
| IP66, 1000 kg | IP66, 1000 kg | IP66, 1000 kg |

Greater viewing angle



Software allows programming of six different modes of back light compensation

| CVVA-FMIP | CVVA-CD | CVVA-WMIP | CFVA-BA | CFVA-IP | CVVA-IP |
|-----------------|-----------------------|--------------------|------------------|--------------------------------|---|
| | | | | | |
| Flush mount kit | Clear bubble (vandal) | Wall mount bracket | Indoor dome base | IP module (fixed dome cameras) | IP module (vandal-resistant dome cameras) |
| ■ | | | ■ | ■ | |
| ■ | | | ■ | ■ | |
| ■ | | | ■ | ■ | |
| ■ | ■ | ■ | | | ■ |
| ■ | ■ | ■ | | | ■ |
| ■ | ■ | ■ | | | ■ |

Cameras and Domes

Fixed Domes

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--------|-------------------|-----------------------|--------------|----------------------|------------------------|--------------|---------|--------------------|-------------------------------|-------------|------------------------|-------------------------------|-------------------------------|---------------------------------|----------------------------|-------------------------|---------|-----------------------|-----------|-------------------------------|---------------|---------------------------------|----------------------------|--------------------|---------------|-------------------|---------|--------------------|-------------------|--------|---------|---------------|
| <p>CFFC1317-LP</p>  <p>1/3" CCD 3.7 mm Colour Fixed Dome 540 TVL, PAL</p> <p>High-resolution, ceiling mount colour dome camera complete with clear protective bubble. Includes service monitor connection and cable for local easy setup. Designed for indoor applications where discreet unobtrusive surveillance is demanded.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Pixels</td> <td>752 (H) x 582 (V)</td> </tr> <tr> <td>Horizontal resolution</td> <td>540 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>0.56 lx (F2.0, 50 IRE)</td> </tr> <tr> <td>Gain control</td> <td>Off/AGC</td> </tr> <tr> <td>Shutter speed</td> <td>Automatic: 1/50 - 1/100,000 s</td> </tr> <tr> <td>Bubble type</td> <td>Clear</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>Off/On</td> </tr> <tr> <td>Local service monitor connector</td> <td>2-pin (1 m cable included)</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>White balance control</td> <td>Automatic</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>112 x 97.5 mm</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC</td> </tr> <tr> <td>Power consumption</td> <td>3.5 VA</td> </tr> <tr> <td>Weight</td> <td>0.29 kg</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Pixels | 752 (H) x 582 (V) | Horizontal resolution | 540 TV lines | Minimum illumination | 0.56 lx (F2.0, 50 IRE) | Gain control | Off/AGC | Shutter speed | Automatic: 1/50 - 1/100,000 s | Bubble type | Clear | Back light compensation (BLC) | Off/On | Local service monitor connector | 2-pin (1 m cable included) | Signal/noise ratio | > 50 dB | White balance control | Automatic | Dimensions (Ø x H) | 112 x 97.5 mm | Power requirements | 12 V DC / 24 V AC | Power consumption | 3.5 VA | Weight | 0.29 kg | S54561-C60-A1 | | | | |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | 752 (H) x 582 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 540 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.56 lx (F2.0, 50 IRE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off/AGC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Automatic: 1/50 - 1/100,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bubble type | Clear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | Off/On | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Local service monitor connector | 2-pin (1 m cable included) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White balance control | Automatic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 112 x 97.5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 3.5 VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.29 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>CFVC1317-LP</p>  <p>1/3" CCD Colour Varifocal Dome 540 TVL, PAL, 12 V DC / 24 V AC</p> <p>1/3" high-resolution, ceiling mount colour varifocal dome camera, complete with clear protective bubble. Includes service monitor connection and cable for easy local setup. Designed for indoor applications where discreet, unobtrusive surveillance is demanded.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Pixels</td> <td>768 (H) x 494 (V)</td> </tr> <tr> <td>Horizontal resolution</td> <td>540 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>0.6 lx (F1.4, 50 IRE)</td> </tr> <tr> <td>Gain control</td> <td>Off/AGC</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB</td> </tr> <tr> <td>Lens</td> <td>Direct drive auto-iris</td> </tr> <tr> <td>Shutter speed</td> <td>Automatic: 1/50 - 1/100,000 s</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 38.2 - 76.7°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.20 m</td> </tr> <tr> <td>Bubble type</td> <td>Tinted</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>6 areas</td> </tr> <tr> <td>Local service monitor connector</td> <td>2-pin (1 m cable included)</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>112 x 97.5 mm</td> </tr> <tr> <td>Power consumption</td> <td>3.5 VA</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC</td> </tr> <tr> <td>Weight</td> <td>0.29 kg</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Pixels | 768 (H) x 494 (V) | Horizontal resolution | 540 TV lines | Minimum illumination | 0.6 lx (F1.4, 50 IRE) | Gain control | Off/AGC | Signal/noise ratio | > 50 dB | Lens | Direct drive auto-iris | Shutter speed | Automatic: 1/50 - 1/100,000 s | Angle of view | Horizontal: 38.2 - 76.7° | Minimum object distance | 0.20 m | Bubble type | Tinted | Back light compensation (BLC) | 6 areas | Local service monitor connector | 2-pin (1 m cable included) | Dimensions (Ø x H) | 112 x 97.5 mm | Power consumption | 3.5 VA | Power requirements | 12 V DC / 24 V AC | Weight | 0.29 kg | S54561-C61-A1 |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | 768 (H) x 494 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 540 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.6 lx (F1.4, 50 IRE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Off/AGC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens | Direct drive auto-iris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | Automatic: 1/50 - 1/100,000 s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 38.2 - 76.7° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum object distance | 0.20 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bubble type | Tinted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back light compensation (BLC) | 6 areas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Local service monitor connector | 2-pin (1 m cable included) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 112 x 97.5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 3.5 VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.29 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Type

Order No.

CFVS1317-LP

Day/Night Varifocal Dome, 540 TVL, 12 V DC / 24 V AC

S54561-C62-A1



1/3" high-resolution, ceiling mount day/night varifocal dome camera, complete with clear protective bubble. Includes service monitor connection and cable for easy local setup. Designed for indoor applications where discreet, unobtrusive surveillance is demanded.

| | |
|---------------------------------|---|
| Horizontal resolution | 540 TV lines |
| Minimum illumination | Colour: 0.34 lx (F1.4, 50 IRE) B/W: 0.15 lx (F1.4, 50 IRE) |
| Gain control | Off/AGC |
| Signal/noise ratio | > 50 dB |
| Lens | DD auto-iris |
| Shutter speed | Automatic: 1/50 - 1/100,000 s |
| Angle of view | Horizontal: 35.9 - 74.7° |
| Minimum object distance | 0.20 m |
| Bubble type | Tinted |
| Local service monitor connector | 2-pin (1 m cable included) |
| Dimensions (Ø x H) | 112 x 97.5 mm |
| Power consumption | 3.5 VA |
| Power requirements | 12 V DC / 24 V AC |
| Weight | 0.29 kg |

CVVC1317-LP

1/3" CCD Colour Vandal-Resistant Varifocal Dome, 540 TVL PAL, 12 V DC / 24 V AC

S54561-C63-A1



Vandal-resistant, high-resolution colour camera with IP66 protection rating, for either ceiling or wall mount, complete with 1000 kg impact-resistant polycarbonate protective bubble. Specifically designed to withstand the type of physical abuse and random vandalism encountered in public areas, both outdoor and indoor, and includes service monitor connection and cable for local easy setup and external anti-tamper fixing screws.

| | |
|---------------------------------|---|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 752 (H) x 582 (V) |
| Horizontal resolution | 540 TV lines |
| Minimum illumination | 0.47 lx (F1.0, 50 IRE) |
| Gain control | Off/AGC |
| Signal/noise ratio | > 50 dB |
| Lens | Direct drive auto-iris, aspherical |
| Shutter speed | Automatic: 1/50 - 1/100,000 s |
| Angle of view | Horizontal: 36 - 91° |
| Minimum object distance | 0.20 m |
| Bubble type | Tinted |
| Back light compensation (BLC) | 6 areas |
| Local service monitor connector | 2-pin (1 m cable included) |
| Dimensions (W x H) | 138 x 112 mm |
| Power consumption | 3.5 VA |
| Power requirements | 12 V DC / 24 V AC |
| Weight | 1.70 kg |

Cameras and Domes

Fixed Domes

Type

Order No.

CVVS1317-LP

**Day/Night Vandal-Resistant Varifocal Dome
540 TVL, 12 V DC / 24 V AC**

S54561-C64-A1



Vandal-resistant, high-resolution day/night camera, with mechanical IR cut filter and IP66 protection rating, for either ceiling or wall mount, complete with 1000 kg impact-resistant polycarbonate protective bubble. Specifically designed to withstand the type of physical abuse and random vandalism encountered in public areas, both outdoor and indoor. Includes service monitor connection and cable for easy local setup and external anti-tamper fixing screws.

| | |
|---------------------------------|---|
| Horizontal resolution | 540 TV lines |
| Minimum illumination | Colour: 0.34 lx (F1.4, 50 IRE) B/W: 0.15 lx (F1.4, 50 IRE) |
| Gain control | Off/AGC |
| Signal/noise ratio | > 50 dB |
| Lens | Direct drive auto-iris |
| Shutter speed | Automatic: 1/50 - 1/100,000 s |
| Angle of view | Horizontal: 35.9 - 74.7° |
| Minimum object distance | 0.20 m |
| Maximum relative aperture | F1.4 - 360 |
| Bubble type | Tinted |
| Local service monitor connector | 2-pin (1 m cable included) |
| Remote setup | 10-pin for PC connection (cable & software included) |
| Degree of protection | IP66 |
| White balance control | Automatic |
| Dimensions (W x H) | 138 x 112 mm |
| Power consumption | 3.5 VA |
| Power requirements | 12 V DC / 24 V AC |
| Weight | 1.70 kg |



Type

Order No.

CVWC1325-LX

1/3" CMOS PIXIM Ultra Wide Dynamic Vandal-Resistant Varifocal Dome 2.8 - 10 mm, 500 TVL, 12 V DC / 24 V AC

S54561-C1-A1





CVWC1325-LX is a 500 TVL high-resolution, colour vandal-resistant dome camera using the latest CMOS image sensor and 32 Bit DPS (Digital Pixel System, PIXIM D2500) techniques to provide crisp, aperture-corrected images for surveillance applications requiring detailed images, even under extreme illumination conditions.

The camera provides IP66 protection rating, for either ceiling or wall mount, complete with 1000 kg impact-resistant polycarbonate protective bubble. Specifically designed to withstand the type of physical abuse and random vandalism encountered in public areas, both outdoor and indoor. It includes twisted pair output and cable for easy local setup and external anti-tamper fixing screws.

| | |
|-------------------------------|--|
| Horizontal resolution | 500 TV lines |
| Image sensor | 1/3" CMOS, PIXIM* D2500 |
| Remote controls | RS485: Siemens-B/-S, Molynx-D Coax: Molynx-C |
| Impact rating | 1000 kg to bubble |
| Minimum illumination | 0.6 lx (F1.3, AGC 30 dB, 50 IRE video output including bubble) |
| Video outputs | BNC composite, twisted pair |
| Gain control | Off Fixed: 0/6/12/18/24/30 dB |
| Signal/noise ratio | > 48 dB |
| Lens | 2.8 - 10 mm, direct drive auto-iris, aspherical |
| Angle of view | Horizontal: 27.4 - 100.2° Vertical: 20.5 - 73.3° |
| Bubble type | Clear |
| Back light compensation (BLC) | 6 areas |
| Degree of protection | IP66 |
| Dimensions (W x H) | 140 x 112 mm |
| Power consumption | 4.8 VA |

Cameras and Domes

Fixed Domes

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------|-------------------|--------------|-------------------------|-----------------|--|-----------------|--|---------|----|----------------------|---|--------------------|----------|--------------------|-------------------|--------------------------------|--|--------------------|----------------|--------------------|-------------------|-------------------|------|--------|---------|
| CVAC1415 | 2GF1182-8AM | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>High-Resolution, Auto Focus Colour Dome Camera with 22x Optical Zoom, in Vandal-Resistant Housing</p> <p>High-resolution colour camera with built-in auto focus zoom lens with max. 242x zoom. The camera is designed for outdoor use under variable lighting conditions. It is built into a compact and attractively styled vandal-resistant housing.</p> <table border="0"> <tr> <td>Pixels</td> <td>795 (H) x 596 (V)</td> </tr> <tr> <td>Image sensor</td> <td>1/4" SONY Super HAD CCD</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock</td> </tr> <tr> <td>Remote controls</td> <td>RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molyntx, Pelco-D/-P</td> </tr> <tr> <td>Presets</td> <td>10</td> </tr> <tr> <td>Minimum illumination</td> <td>1.0 lx (F1.6, AGC on, 50 IRE video output) Slow shutter: 0.02 lx</td> </tr> <tr> <td>Slow speed shutter</td> <td>2x - 60x</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB (AGC off)</td> </tr> <tr> <td>Ambient temperature, operating</td> <td>-10 to +50 °C (with heater kit) 0 - 50 °C</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>140.5 x 112 mm</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC</td> </tr> <tr> <td>Power consumption</td> <td>6 VA</td> </tr> <tr> <td>Weight</td> <td>1.10 kg</td> </tr> </table> | Pixels | 795 (H) x 596 (V) | Image sensor | 1/4" SONY Super HAD CCD | Synchronisation | Internal: crystal External: line lock | Remote controls | RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molyntx, Pelco-D/-P | Presets | 10 | Minimum illumination | 1.0 lx (F1.6, AGC on, 50 IRE video output) Slow shutter: 0.02 lx | Slow speed shutter | 2x - 60x | Signal/noise ratio | > 50 dB (AGC off) | Ambient temperature, operating | -10 to +50 °C (with heater kit) 0 - 50 °C | Dimensions (Ø x H) | 140.5 x 112 mm | Power requirements | 12 V DC / 24 V AC | Power consumption | 6 VA | Weight | 1.10 kg |
| Pixels | 795 (H) x 596 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Image sensor | 1/4" SONY Super HAD CCD | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remote controls | RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molyntx, Pelco-D/-P | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presets | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 1.0 lx (F1.6, AGC on, 50 IRE video output) Slow shutter: 0.02 lx | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Slow speed shutter | 2x - 60x | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB (AGC off) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ambient temperature, operating | -10 to +50 °C (with heater kit) 0 - 50 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 140.5 x 112 mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 6 VA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 1.10 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVAS1415 | 2GF1182-8AN | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>High-Resolution, Auto Focus Day/Night Dome Camera with 22x Optical Zoom, in Vandal-Resistant Housing</p> <p>High-resolution day/night camera with built-in auto focus zoom lens with max. 242x zoom. The camera is designed for outdoor use under variable lighting conditions. It is built into a compact and attractively styled vandal-resistant housing.</p> <table border="0"> <tr> <td>Signal/noise ratio</td> <td>795 (H) x 596 (V)</td> </tr> <tr> <td>Image sensor</td> <td>1/4" SONY Super HAD CCD</td> </tr> <tr> <td>Synchronisation</td> <td>Internal: crystal External: line lock</td> </tr> <tr> <td>Remote controls</td> <td>RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molyntx, Pelco-D/-P</td> </tr> <tr> <td>Presets</td> <td>10</td> </tr> <tr> <td>Minimum illumination</td> <td>Colour: 0.5 lx (F1.6, AGC on, 50 IRE video output) B/W: 0.05 lx Slow shutter: 0.001 lx</td> </tr> <tr> <td>Slow speed shutter</td> <td>2x - 60x</td> </tr> <tr> <td>Signal/noise ratio</td> <td>> 50 dB (AGC off)</td> </tr> <tr> <td>Ambient temperature, operating</td> <td>-10 to +50 °C (with heater kit) 0 - 50 °C</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>140.5 x 112 mm</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC / 24 V AC</td> </tr> <tr> <td>Power consumption</td> <td>6 VA</td> </tr> <tr> <td>Weight</td> <td>1.10 kg</td> </tr> </table> | Signal/noise ratio | 795 (H) x 596 (V) | Image sensor | 1/4" SONY Super HAD CCD | Synchronisation | Internal: crystal External: line lock | Remote controls | RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molyntx, Pelco-D/-P | Presets | 10 | Minimum illumination | Colour: 0.5 lx (F1.6, AGC on, 50 IRE video output) B/W: 0.05 lx Slow shutter: 0.001 lx | Slow speed shutter | 2x - 60x | Signal/noise ratio | > 50 dB (AGC off) | Ambient temperature, operating | -10 to +50 °C (with heater kit) 0 - 50 °C | Dimensions (Ø x H) | 140.5 x 112 mm | Power requirements | 12 V DC / 24 V AC | Power consumption | 6 VA | Weight | 1.10 kg |
| Signal/noise ratio | 795 (H) x 596 (V) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Image sensor | 1/4" SONY Super HAD CCD | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Synchronisation | Internal: crystal External: line lock | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remote controls | RS232: Siemens-B (parameter setting) RS485: Siemens-B/-S, Molyntx, Pelco-D/-P | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presets | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | Colour: 0.5 lx (F1.6, AGC on, 50 IRE video output) B/W: 0.05 lx Slow shutter: 0.001 lx | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Slow speed shutter | 2x - 60x | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | > 50 dB (AGC off) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ambient temperature, operating | -10 to +50 °C (with heater kit) 0 - 50 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 140.5 x 112 mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC / 24 V AC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 6 VA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 1.10 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |

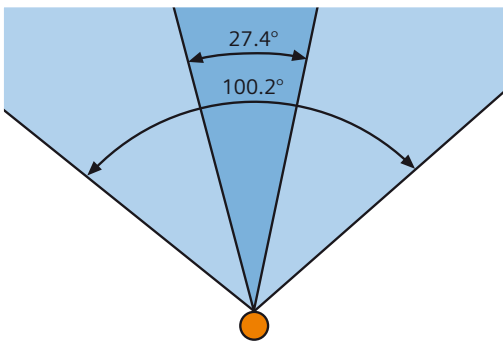
Vandal dome features ...



Day/night model automatically changes from colour pictures by day, to monochrome images at night – true 24 hour surveillance!



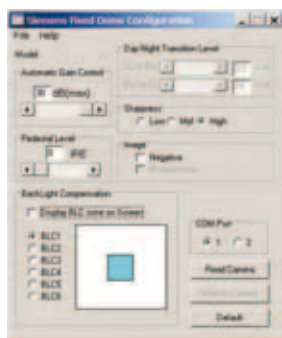
F1.0 offers twice the amount of light available than F1.4



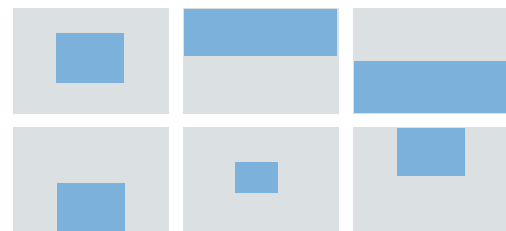
Greater viewing angle



1000 kg impact resistant and IP66 protection rating



Remote setup for both day-night and colour models







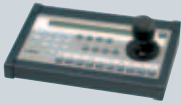
Software allows programming of six different modes of back light compensation

... for varying applications.

Cameras and Domes

Speed Domes Overview

| | CCDA1435-ST *CCDA1435-STN | CCDA1435-LL | CCDA1435-DN *CCDA1435-DNN | CCDA1435-DNX |
|--------------------------|---|---|---|---|
| Domes |  |  |  |  |
| CCD size | 1/4" | 1/4" | 1/4" | 1/4" |
| TV Lines | 480 lines | 480 lines | 480 lines | 480 lines |
| Resolution | High-resolution | High-resolution | High-resolution | High-resolution |
| Type | Colour | Low-light colour | Day/night | Day/night |
| Optical zoom | 18x | 18x | 18x | 26x |
| Digital zoom | 12x | 12x | 12x | 12x |
| Total zoom | 216x | 216x | 216x | 312x |
| TV standard | PAL or NTSC* | PAL | PAL or NTSC* | PAL |
| Minimum illumination | 1.0 Lux (F1.4) | 0.7 Lux (F1.4, 1/50s) 0.05 Lux (F1.4, 1/3s) | 0.7 Lux (F1.4, 1/50s) 0.01 Lux (F1.4, 1/3s, night mode) | 1.0 Lux (F1.6, 1/50s) 0.01 Lux (F1.6, 1/3s, night mode) |
| S/N ratio | 50 dB | 50 dB | 50 dB | 50 dB |
| Lens focal length | 4.1 – 73.8 mm | 4.1 – 73.8 mm | 4.1 – 73.8 mm | 3.5 – 91 mm |
| Mechanical IR cut filter | | | ■ | ■ |
| On-screen display menu | ■ | ■ | ■ | ■ |
| Manual pan/tilt speed | 0.1 – 90°/s | 0.1 – 90°/s | 0.1 – 90°/s | 0.1 – 90°/s |
| Preset pan/tilt speed | 300°/s | 300°/s | 300°/s | 400°/s |
| Presets | 64 | 64 | 64 | 64 |
| Tours | 4 | 4 | 4 | 4 |
| Privacy zones | 8 | 8 | 8 | 8 |
| Password protection | ■ | ■ | ■ | ■ |
| Preset title naming | ■ | ■ | ■ | ■ |
| Alarm inputs | 4 | 4 | 4 | 4 |
| Alarm output | 1 | 1 | 1 | 1 |
| Power | 24 V AC, 20 VA | 24 V AC, 20 VA | 24 V AC, 20 VA | 24 V AC, 20 VA |

| | CKA4820 2GF2400-8EC |
|---------------------------|---|
| Controllers |  |
| Variable speed joystick | Yes |
| Fixed speed control | Yes |
| LCD display | Yes |
| SISTORE AX remote control | Yes |
| Power | 12 V DC |



Type

Order No.

CCDA1435..

1/4" CCD High-Speed Dome, Indoor 24 V AC

CCDA1435..



The CCDA1435 dome range delivers the standard features of a programmable dome, but is priced comparably to a PTZ. This provides an alternative for customers who prefer the convenience and programmability of a dome camera, but previously considered domes to be price-prohibitive. Choose from several innovative mounting options, including hard ceiling and flush mount ceiling brackets, wall mount brackets and different bubble colours. As the dome contains all the necessary installation components, so installation is fast – just 15 minutes from box to ceiling for the hard ceiling mount. The dome's power-on diagnostics and functional tests assist with fault isolation during installation and service. The dome accommodates a variety of protocols, including the Siemens protocol. The dome is available as a simple colour camera, light-sensitive low-light camera or flexible, day-night camera with 18x and 26x optical zoom and 480 TV lines resolution, providing a quality, high-resolution picture. The dome also provides user-programmable presets and patterns, one alarm input, an auxiliary output and auto-flip feature.




| | |
|-----------------------|--|
| Television standard | PAL: 625 TV lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 752 (H) x 582 (V) |
| Synchronisation | Internal: crystal External: line lock, phase adjustable |
| Horizontal resolution | 480 TV lines |
| Iris control | Automatic |
| Signal/noise ratio | > 50 dB |
| Shutter speed | Automatic: 1/1 - 1/10,000 s Manual: 22 steps |
| Language support | English |
| Gain control | Off/AGC |
| Alarm outputs | 1 (NO/NC) |
| Pan speed | 0.1 - 90 °/s Max. digital zoom: 0.1 °/s Max. optical zoom: 0.4 °/s |
| Tilt speed | 0.1 - 45 °/s Max. digital zoom: 0.1 °/s Max. optical zoom: 0.4 °/s |
| Pan travel | 360° continuous |
| Tilt travel | Indoor: 85° Outdoor: 92° |
| Access protection | Alphanumerical Dome OSD setup protection |
| White balance control | ATW: 2000 - 10,000 K Automatic: 3000 - 7500 K One push |
| Presets | 64 |
| Programmable patterns | 4 |
| Zoom | 18x optical, 12x digital |
| Lens | 4.1 - 73.8 mm, auto focus |
| Dimensions (Ø x H) | 134 x 219.9 mm |
| Power requirements | 24 V AC ± 10 %, 50 Hz |
| Weight | 1.75 kg |

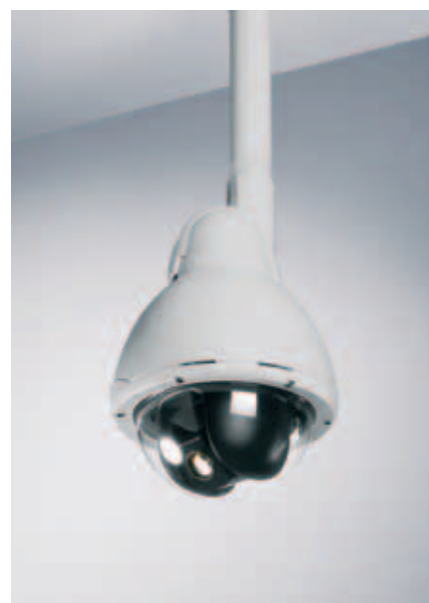
Cameras and Domes

Functional Domes

| Type | | Order No. |
|--------------|---|-------------|
| CCDA1435-ST | <p>1/4" CCD High-Speed Colour Dome, 480 TVL, PAL, 8 Privacy Zones, Indoor 24 V AC</p> <p>As CCDA1435.. for technical details, but with the following differences:</p> <p>Minimum illumination 1.0 lx (F1.4, 1/50 s)</p> <p>Alarm inputs 4 (linked to definable functions, AAM)</p> | 2GF1193-8AA |
| CCDA1435-LL | <p>1/4" CCD High-Speed Low-Light Colour Dome, 480 TVL, PAL, 8 Privacy Zones, Indoor 24 V AC</p> <p>As CCDA1435.. for technical details, but with the following differences:</p> <p>Minimum illumination Colour: 0.7 lx (F1.4, 1/50 s) B/W: 0.05 lx (F1.4, 1/3 s)</p> <p>Alarm inputs 4 (linked to definable functions, AAM)</p> | 2GF1193-8AB |
| CCDA1435-DN | <p>1/4" CCD High-Speed Day/Night Dome, 480 TVL, PAL, 8 Privacy Zones, Indoor 24 V AC</p> <p>As CCDA1435.. for technical details, but with the following differences:</p> <p>Minimum illumination Colour: 0.7 lx (F1.4, 1/50 s) B/W: 0.01 lx (F1.4, 1/3 s)</p> <p>Alarm inputs 4 (linked to definable functions, AAM)</p> | 2GF1193-8AC |
| CCDA1435-DNX | <p>1/4" CCD High-Speed Day/Night Dome, 480 TVL, PAL, 8 Privacy Zones, Indoor 24 V AC</p> <p>As CCDA1435.. for technical details, but with the following differences:</p> <p>Lens 3.5 - 91 mm, auto focus</p> <p>Minimum illumination Colour: 1.0 lx (F1.6, 1/50 s) B/W: 0.01 lx (F1.6, 1/3 s)</p> <p>Alarm inputs 4 (linked to definable functions)</p> <p>Zoom 26x optical, 12x digital</p> | 2GF1193-8AD |




| | CCDS1415-ST | CCDS1415-DN | CCDS1415-DNX |
|--------------------------|---|--|---|
| |  |  |  |
| CCD size | 1/4" | 1/4" | 1/4" |
| TV lines | 480 | 480 | 480 |
| Resolution | High-resolution | High-resolution | High-resolution |
| Type | Colour | Day/night | Day/night |
| Zoom optical/digital | 18x / 12x | 18x / 12x | 26x / 12x |
| Total zoom | 216x | 216x | 312x |
| TV standard | PAL | PAL | PAL |
| Minimum illumination | 0.05 Lux (F1.4) | 0.05 Lux (colour); 0.01 Lux (mono) | 0.05 Lux (colour); 0.01 Lux (mono) |
| S/N ratio | > 50 dB | > 50 dB | > 50 dB |
| Lens focal length | 4.1 ~ 73.8 mm | 4.1 ~ 73.8 mm | 2.5 ~ 91 mm |
| Mechanical IR cut filter | | ■ | ■ |
| On-screen display menu | ■ | ■ | ■ |
| Pan/tilt speed | 0.2 ~ 360°/s | 0.2 ~ 360°/s | 0.2 ~ 360°/s |
| Presets | max. 99 (depending on protocol) | max. 99 (depending on protocol) | max. 99 (depending on protocol) |
| Tours | 32 positions | 32 positions | 32 positions |
| Privacy zones | 24 | 24 | 24 |
| Password protection | ■ | ■ | ■ |
| Preset title naming | ■ | ■ | ■ |
| Alarm inputs XTU | 7 + 1x tamper | 7 + 1x tamper | 7 + 1x tamper |
| Alarm output XTU | 1 | 1 | 1 |
| Power | 110 ~ 230 V AC via XTU | 110 ~ 230 V AC via XTU | 110 ~ 230 V AC via XTU |







Cameras and Domes

Functional Domes




| Type | Solaris™ Colour High-Speed Dome | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|----------------------|---|-----------------------|-----------------------------|--------------------|---------|---------------|------------------------|--------------|-------------------------------------|--------------|------------------------------------|-----------|---------------|------------|---------------|------------|-----------------|-------------|--------------|-----------------------|----------------------|---------|--|--------------------|--------------|--------------------|---|------------|
| CCDS1415.. |  <p>Solaris offers accuracy, speed, reliability and high-quality images. With its unique split concept, external termination unit (XTU) and camera head unit (HU), Solaris has proven to be the solution of choice for installers and end users around the world. From shops to holiday resorts, hospitals to commercial premises, with perfect picture quality, Solaris ensures that security is kept at its highest. These new developments in dome technology now bring you more features than ever before.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz</td> </tr> <tr> <td>Horizontal resolution</td> <td>480 TV lines</td> </tr> <tr> <td>Signal/noise ratio</td> <td>≥ 50 dB</td> </tr> <tr> <td>Shutter speed</td> <td>1/10,000 s 22 steps</td> </tr> <tr> <td>Gain control</td> <td>Automatic: -3 to 28 dB (2 dB steps)</td> </tr> <tr> <td>Alarm inputs</td> <td>Opto-coupled (short to alarm com.)</td> </tr> <tr> <td>Pan speed</td> <td>0.2 - 360 °/s</td> </tr> <tr> <td>Tilt speed</td> <td>0.2 - 360 °/s</td> </tr> <tr> <td>Pan travel</td> <td>360° continuous</td> </tr> <tr> <td>Tilt travel</td> <td>+10 to -100°</td> </tr> <tr> <td>White balance control</td> <td>Automatic / One push</td> </tr> <tr> <td>Presets</td> <td>Max. 99 (depending on protocol and controller)</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>245 x 354 mm</td> </tr> <tr> <td>Power requirements</td> <td>18 - 24 V DC (2 A, supplied from the XTU via the Cat-5 cable)</td> </tr> </table> | Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | Horizontal resolution | 480 TV lines | Signal/noise ratio | ≥ 50 dB | Shutter speed | 1/10,000 s 22 steps | Gain control | Automatic: -3 to 28 dB (2 dB steps) | Alarm inputs | Opto-coupled (short to alarm com.) | Pan speed | 0.2 - 360 °/s | Tilt speed | 0.2 - 360 °/s | Pan travel | 360° continuous | Tilt travel | +10 to -100° | White balance control | Automatic / One push | Presets | Max. 99 (depending on protocol and controller) | Dimensions (Ø x H) | 245 x 354 mm | Power requirements | 18 - 24 V DC (2 A, supplied from the XTU via the Cat-5 cable) | CCDS1415.. |
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | 480 TV lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal/noise ratio | ≥ 50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shutter speed | 1/10,000 s 22 steps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gain control | Automatic: -3 to 28 dB (2 dB steps) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | Opto-coupled (short to alarm com.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pan speed | 0.2 - 360 °/s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tilt speed | 0.2 - 360 °/s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pan travel | 360° continuous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tilt travel | +10 to -100° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White balance control | Automatic / One push | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presets | Max. 99 (depending on protocol and controller) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 245 x 354 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 18 - 24 V DC (2 A, supplied from the XTU via the Cat-5 cable) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCDS1415-ST | <p>Solaris 1/4" High-Speed Dome, 24 Privacy Zones, 18x Zoom, Colour, Tinted Bubble, IP67, supplied with 110 - 230 V AC XTU</p> <p>As CCDS1415.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Minimum illumination</td> <td>0.05 lx</td> </tr> <tr> <td>Lens</td> <td>4.1 - 73.8 mm (F1.4 - F3.0)</td> </tr> <tr> <td>Weight</td> <td>5.60 kg</td> </tr> </table> | Minimum illumination | 0.05 lx | Lens | 4.1 - 73.8 mm (F1.4 - F3.0) | Weight | 5.60 kg | 2GF1194-8AA | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | 0.05 lx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens | 4.1 - 73.8 mm (F1.4 - F3.0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 5.60 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCDS1415-DN | <p>Solaris 1/4" High-Speed Dome, 24 Privacy Zones, 18x Zoom, Day/Night, Clear Bubble, IP67, supplied with 110 - 230 V AC XTU</p> <p>As CCDS1415.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Minimum illumination</td> <td>Colour: 0.05 lx B/W: 0.01 lx</td> </tr> <tr> <td>Lens</td> <td>4.1 - 73.8 mm (F1.4 - F3.0)</td> </tr> <tr> <td>Weight</td> <td>5.60 kg</td> </tr> </table> | Minimum illumination | Colour: 0.05 lx B/W: 0.01 lx | Lens | 4.1 - 73.8 mm (F1.4 - F3.0) | Weight | 5.60 kg | 2GF1194-8AC | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | Colour: 0.05 lx B/W: 0.01 lx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens | 4.1 - 73.8 mm (F1.4 - F3.0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 5.60 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCDS1415-DNX | <p>Solaris 1/4" High-Resolution Dome, 24 Privacy Zones, 26x Zoom, Day/Night, Clear Bubble, IP67, supplied with 110 - 230 V AC XTU</p> <p>As CCDS1415.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Minimum illumination</td> <td>Colour: 0.05 lx B/W: 0.01 lx</td> </tr> <tr> <td>Lens</td> <td>3.5 - 91 mm (F1.6 - F3.8)</td> </tr> <tr> <td>Weight</td> <td>5.60 kg</td> </tr> </table> | Minimum illumination | Colour: 0.05 lx B/W: 0.01 lx | Lens | 3.5 - 91 mm (F1.6 - F3.8) | Weight | 5.60 kg | 2GF1194-8AD | | | | | | | | | | | | | | | | | | | | | | |
| Minimum illumination | Colour: 0.05 lx B/W: 0.01 lx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lens | 3.5 - 91 mm (F1.6 - F3.8) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 5.60 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Type | | Order No. |
|---|--|-------------|
| <p>CFFA-TD</p>  | <p>Tinted Bubble for CFxx Fixed Dome Series</p> <p>Tinted bubble for exchange with the standard clear bubble that is delivered with CFFB1310, CFFB1315, CFFC1310, CFFC1315 indoor fixed domes or replacement of the tinted bubble that is delivered with CFVB1415, CFVC1415, CFVS1415 indoor varifocal domes.</p> <p>Weight 0.05 kg</p> | 2GF1086-8AA |
| <p>CFFA-CD</p>  | <p>Clear Bubble CFxx Fixed Dome Series</p> <p>Clear bubble for exchange with the standard tinted bubble that is delivered with CFVB1415, CFVC1415, CFVS1415 indoor varifocal domes or replacement of the clear bubble that is delivered with CFFB1310, CFFB1315, CFFC1310, CFFC1315 indoor fixed domes.</p> <p>Weight 0.05 kg</p> | 2GF1086-8AG |
| <p>CVVA-CD</p>  | <p>Clear Lower Dome CVxx Vandal Dome Series</p> <p>Clear lower dome for exchange with the standard tinted bubble that is delivered with the vandal-resistant dome.</p> <p>Weight 0.05 kg</p> | 2GF1086-8AH |
| <p>CFFA-IC..</p>  | <p>Replacement Lens for Fixed Dome CFxx Series</p> <p>Replacement lenses for exchange with the standard lenses for CFFB1310, CFFB1315, CFFC1310, CFFC1315 internal fixed domes.</p> | CFFA13.. |
| <p>CFFA-IC29</p> | <p>Replacement Lens 2.9 mm for CF Series</p> <p>Weight 0.15 kg</p> | 2GF1086-8AB |
| <p>CFFA-IC37</p> | <p>Replacement Lens 3.7 mm for CF Series</p> <p>Weight 0.20 kg</p> | 2GF1086-8AK |
| <p>CFFA-IC60</p> | <p>Replacement Lens 6.0 mm for CF Series</p> <p>Weight 0.15 kg</p> | 2GF1086-8AF |
| <p>CFFA-IC12</p> | <p>Replacement Lens 12 mm for CF Series</p> <p>Weight 0.15 kg</p> | 2GF1086-8AE |

Cameras and Domes

Dome Mounts and Accessories

| Type | Order No. |
|---|--------------------|
| CVVA-FMIP  | 2GF1086-8AM |
| Indoor Flush Mount for Usage with Indoor Dome Series CFxx and Vandal Dome Series CVxx with or without Optional IP Modules CFVA-IP or CVVA-IP | |
| <p>This indoor, flush ceiling mount includes a clear bubble that will prevent the ingress of dust when the indoor domes CFxx or vandal domes CVxx are installed indoors. It is suitable for mounting with or without the optional IP modules CFVA-IP or CVVA-IP. The flush mount enables the indoor dome series CFxx and vandal dome series CVxx to be recessed into a hole cut into the ceiling.</p> | |
| Dimensions (Ø x H) | 225 x 120 mm |
| Weight | 1.30 kg |
| CVVA-WMIP  | 2GF1086-8AN |
| Wall Bracket for Usage with Vandal Dome Series CVxx with or without Optional IP Module CVVA-IP | |
| <p>This wall mount attaches directly to a flat upright wall. It enables a mount of the vandal dome series with or without the optional IP module CVVA-IP.</p> | |
| Weight | 0.50 kg |
| CFVA-BA  | 2GF1086-8AP |
| Indoor Dome Base CFVA-BA | |
| <p>The dome base provides additional installation space to hide the cabling inside the base. It is only designed for installation indoors and only for use in conjunction with the following dome camera: CFFB1310, CFFB1315, CFFC1310, CFFC1315, CFVB1415, CFVC1415 and CFVS1415.</p> | |
| <p>Additionally, the indoor dome base supports the installation of an optional twisted pair transmitter module CTTT0111 (2GF1714-8WN). When the twisted pair transmitter is used, the unit including the dome camera can be used with operation voltage of 12 V DC only!</p> | |
| Dimensions (Ø x H) | 140 x 35.3 mm |
| Weight | 0.40 kg |



Type

Order No.

CFVA-IP

MJPEG IP Module for Indoor Fixed Domes

2GF1086-8AL



The IP module CFVA-IP is especially designed for use with the indoor dome cameras CFFB1310, CFFB1315, CFFC1310, CFFC1315, CFVB1415, CFVC1415 and CFVS1415. Existing dome camera systems can easily be upgraded to latest IP technology. The integrated Web server allows MJPEG-compressed live images to be viewed using an http browser (Microsoft Internet Explorer from version 5.5 with Java plug-in or Mozilla or Netscape from version 7.0). A live player for stand-alone solutions is supplied with the IP module. The live video images supplied by the device can be embedded in dedicated HTML pages without difficulty. The digital video streams can be saved directly using the digital video recorder SISTORE MX (from version V2.50).

| | |
|---------------------|---|
| Picture format | QCIF (176 x 144) CIF (352 x 288) 4CIF (704 x 576) (interlaced) |
| Network connections | 10baseT Ethernet / 100baseTX Fast Ethernet (auto-sensing) (full/half duplex) |
| Access protection | Separate passwords for image access and system configuration |
| Protocols | ARP, BOOTP/DHCP, TCP/IP, HTTP, ICMP, SNMP, FTP and DNS |
| Installation | IP address configurable via ARP, BOOTP/DHCP, connection to twisted pair RJ45 Ethernet |
| Power requirements | 12 V DC / 24 V AC, 50 Hz |
| Power consumption | 6 VA |
| Weight | 0.40 kg |

CVVA-IP

MJPEG IP Module for Indoor Vandal-Resistant Domes

2GF1185-8AG






The IP module CVVA-IP is especially designed for use with the vandal-proof dome cameras CVVB1315, CVVC1315, CVVS1415. Existing fixed dome camera systems can be easily upgraded to the latest IP technology. The integrated Web Server allows MJPEG-compressed live images to be viewed using an http browser (Microsoft Internet Explorer from version 5.5 with Java plug-in or Mozilla or Netscape from version 7.0). A live player for stand-alone solutions is supplied with the IP module. The live video images supplied by the device can be embedded in dedicated HTML pages without difficulty. The digital video streams can be saved directly using the digital video recorder SISTORE MX (from version V2.50).





| | |
|---------------------|---|
| Picture format | QCIF (176 x 144) CIF (352 x 288) 4CIF (704 x 576) (interlaced) |
| Network connections | 10baseT Ethernet / 100baseTX Fast Ethernet (auto-sensing) (full/half duplex) |
| Access protection | Separate passwords for image access and system configuration |
| Protocols | ARP, BOOTP/DHCP, TCP/IP, HTTP, ICMP, SNMP, FTP and DNS |
| Installation | IP address configurable via ARP, BOOTP/DHCP, connection to twisted pair RJ45 Ethernet |
| Power requirements | 12 V DC / 24 V AC, 50 Hz |
| Power consumption | 6 VA |
| Weight | 0.62 kg |

Cameras and Domes

Dome Mounts and Accessories





| Type | Order No. | | | | | | | | | | | | | | |
|--|------------------------------|---------------|------------------------------|---------------|------------------------------|---------------|--------------------------------|---------------|------------------------------|--------------------|-------------------|----------|--------|---------|--|
| CCDA1425-WPH  | 2GF1192-8BA | | | | | | | | | | | | | | |
| <p>Weatherproof Housing for CCD A1425 or CCD A1435</p> <p>This weatherproof housing enables the outdoor installation of the CCD A1425/CCD A1435 speed domes. Including a heater and fan, the housing is weatherproof according to IP66. Incorporating a temperature management, the outdoor housing is designed for operation in temperatures ranging from -30 to +50 °C.</p> <table border="0"> <tr> <td>Relative humidity</td> <td>0 - 90 %</td> </tr> <tr> <td>Ambient temperature, storage</td> <td>-30 to +50 °C</td> </tr> <tr> <td>Ambient temperature, storage</td> <td>-40 to +60 °C</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>240 x 350 mm</td> </tr> <tr> <td>Power consumption</td> <td>26 VA housing only</td> </tr> <tr> <td>Weight</td> <td>4.00 kg</td> </tr> </table> | Relative humidity | 0 - 90 % | Ambient temperature, storage | -30 to +50 °C | Ambient temperature, storage | -40 to +60 °C | Dimensions (Ø x H) | 240 x 350 mm | Power consumption | 26 VA housing only | Weight | 4.00 kg | | | |
| Relative humidity | 0 - 90 % | | | | | | | | | | | | | | |
| Ambient temperature, storage | -30 to +50 °C | | | | | | | | | | | | | | |
| Ambient temperature, storage | -40 to +60 °C | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 240 x 350 mm | | | | | | | | | | | | | | |
| Power consumption | 26 VA housing only | | | | | | | | | | | | | | |
| Weight | 4.00 kg | | | | | | | | | | | | | | |
| CCDA1425-VRH  | 2GF1192-8CA | | | | | | | | | | | | | | |
| <p>CCDA1425-VRH</p> <p>This vandal-resistant dome outdoor housing enables the outdoor installation of CCD A1425/CCD A1435 speed domes. Including heater and fan, the housing is weatherproof according to IP66. Incorporating a temperature management, the outdoor housing is designed for operation in temperatures ranging from -30 to +50 °C.</p> <table border="0"> <tr> <td>Power requirements</td> <td>24 V AC</td> </tr> <tr> <td>Power consumption</td> <td>26 VA</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>240 x 345 mm</td> </tr> <tr> <td>Ambient temperature, operating</td> <td>-30 to +50 °C</td> </tr> <tr> <td>Ambient temperature, storage</td> <td>-40 to +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>0 - 90 %</td> </tr> <tr> <td>Weight</td> <td>4.00 kg</td> </tr> </table> | Power requirements | 24 V AC | Power consumption | 26 VA | Dimensions (Ø x H) | 240 x 345 mm | Ambient temperature, operating | -30 to +50 °C | Ambient temperature, storage | -40 to +60 °C | Relative humidity | 0 - 90 % | Weight | 4.00 kg | |
| Power requirements | 24 V AC | | | | | | | | | | | | | | |
| Power consumption | 26 VA | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 240 x 345 mm | | | | | | | | | | | | | | |
| Ambient temperature, operating | -30 to +50 °C | | | | | | | | | | | | | | |
| Ambient temperature, storage | -40 to +60 °C | | | | | | | | | | | | | | |
| Relative humidity | 0 - 90 % | | | | | | | | | | | | | | |
| Weight | 4.00 kg | | | | | | | | | | | | | | |
| CCDA1425-SM  | 2GF1192-8BB | | | | | | | | | | | | | | |
| <p>Indoor Surface Mount for CCD A1425 or CCD A1435</p> <p>This indoor ceiling mount includes a clear bubble that will prevent the ingress of dust when CCD A1425/CCD A1435 Speed Domes are installed indoors. This ceiling mount attaches directly to the surface of a flat ceiling.</p> <table border="0"> <tr> <td>Ambient temperature, storage</td> <td>-20 to +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>0 - 90 %</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>165 x 228 mm</td> </tr> <tr> <td>Weight</td> <td>1.20 kg</td> </tr> </table> | Ambient temperature, storage | -20 to +60 °C | Relative humidity | 0 - 90 % | Dimensions (Ø x H) | 165 x 228 mm | Weight | 1.20 kg | | | | | | | |
| Ambient temperature, storage | -20 to +60 °C | | | | | | | | | | | | | | |
| Relative humidity | 0 - 90 % | | | | | | | | | | | | | | |
| Dimensions (Ø x H) | 165 x 228 mm | | | | | | | | | | | | | | |
| Weight | 1.20 kg | | | | | | | | | | | | | | |





| Type | | Order No. |
|--|--|-------------|
| <p>CCDA1425-FM</p>  | <p>Indoor Flush Mount for CCDA1425 or CCDA1435</p> <p>This indoor, flush ceiling mount includes a clear bubble that will prevent the ingress of dust when CCDA1425/CCDA1435 speed domes are installed indoors. This flush mount housing enables CCDA1425/CCDA1435 speed domes to be recessed into a hole cut into the ceiling.</p> <p>Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Dimensions (Ø x H) 177 x 232 mm Weight 1.40 kg</p> | 2GF1192-8BC |
| <p>CCDA1425-PMA</p>  | <p>Pole Mount Adapter for CCDA1425-WM or -WMJ</p> <p>This pole mount adapter is used to fix the wall mount CCDA1425-WM or CCDA1425-WMJ onto a pole (max. pole diameter 150 mm).</p> <p>Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Dimensions (W x H x D) 180 x 240 x 60 mm Weight 0.80 kg</p> | 2GF1192-8BD |
| <p>CCDA1425-WM</p>  | <p>Outdoor Wall Mount for CCDA1425-WPH/-VRH</p> <p>This outdoor wall mount attaches directly to a flat, upright wall and includes a mounting flange with a standard 1½" NTP threaded pipe. This simple wall mount is compatible with the weatherproof outdoor housing CCDA1425-WPH/-VRH.</p> <p>Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Dimensions (W x H x D) 154 x 270 x 315 mm Weight 3.40 kg</p> | 2GF1192-8BE |
| <p>CCDA1425-WMJ</p>  | <p>Wall Mount with Junction Box for CCDA1425-WPH/-VRH</p> <p>This wall mount attaches directly to a flat, upright wall and includes a mounting flange with a standard 1½" NTP threaded pipe. The integrated junction box provides perfect cable connectivity and servicing/maintenance capability. The "internal" cabling to the dome camera is established via a system cable that is delivered together with the weatherproof housing. This pendant ceiling mount is compatible with the weatherproof outdoor housing CCDA1425-WPH/-VRH.</p> <p>Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Dimensions (W x H x D) 427 x 172 x 338 mm Weight 4.80 kg</p> | 2GF1192-8BF |

Cameras and Domes

Dome Mounts and Accessories





| Type | | Order No. |
|---------------|---|-------------|
| CCDA1425-PM |  <p>Pendant Mount for CCDA1425-WPH/-VRH</p> <p>This pendant ceiling mount is a perfect solution for any wood, metal, plaster, drywall, or other hard ceiling installation. The mounting assembly includes a ceiling flange and a standard 1½" NTP threaded pipe. The assembly can be used in beam/pendant installations. This pendant ceiling mount is compatible with the weatherproof outdoor housing CCDA1425-WPH/-VRH.</p> <p>Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Dimensions (W x H x D) 154 x 356 x 208 mm Weight 3.00 kg</p> | 2GF1192-8BG |
| CCDA1425-EP |  <p>Extension Pole for CCDA1425-WM, CCDA1425-WMJ and CCDA1425-PM</p> <p>The extension pole increases the length of wall and pendant mount by 0.5 m. For use with CCDA1425-WM, CCDA1425-WMJ and CCDA1425-PM.</p> <p>Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Dimensions (Ø x H) 62 x 535 mm Weight 1.00 kg</p> | 2GF1192-8BJ |
| CCDA1425-CMA |  <p>Corner Mount Adapter for CCDA1425-WM or -WMJ</p> <p>This corner mount adapter can be used to fix the wall mounts CCDA1425-WM or CCDA1425-WMJ on a right-angled wall corner.</p> <p>Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Dimensions (W x H x D) 180 x 210 x 308 mm Weight 1.00 kg</p> | 2GF1192-8BH |
| CCDA1425-FMSB | <p>Bubble, Tinted, for CCDA1425-FM</p> <p>Tinted bubble for exchange with the standard clear bubble that is delivered with the indoor ceiling flush mount CCDA1425-FM.</p> <p>Weight 0.30 kg</p> | 2GF1192-8BK |
| CCDA1425-SMSB |  <p>Bubble, Tinted, for CCDA1425-SM</p> <p>Tinted bubble for exchange with the standard clear bubble that is delivered with the indoor ceiling surface mount CCDA1425-SM.</p> <p>Weight 0.30 kg</p> | 2GF1192-8BL |








| Type | | Order No. |
|----------------|--|-------------|
| CCDA1425-WPHSB | <p>Bubble, Tinted, for CCDA1425-WPH</p> <p>Tinted bubble for exchange with the standard clear bubble that is delivered with the weatherproofed outdoor housing CCDA1425-WPH.</p> <p>Weight 0.60 kg</p>  | 2GF1192-8BM |
| CCDA1425-VRHSB | <p>Exchange Bubble, Tinted</p> <p>Tinted exchange bubble for CCDA1425-VRH.</p> <p>Dimensions (Ø x H) 220 x 110 mm Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Weight 0.60 kg</p>  | 2GF1192-8CB |
| CCDA1425-VRHCB | <p>Exchange Bubble, Clear</p> <p>Clear exchange bubble for CCDA1425-VRH.</p> <p>Dimensions (Ø x H) 220 x 110 mm Ambient temperature, storage -20 to +60 °C Relative humidity 0 - 90 % Weight 0.60 kg</p>  | 2GF1192-8CC |
| CCDA1425-PMI | <p>Indoor Pendant Mount Adapter for CCDA1425-PM and CCDA1425-SM</p> <p>This indoor pendant mount adapter enables the usage of the pendant mount CCDA1425-PM together with the surface mount CCDA1425-SM to be used for indoor pendant mounting of CCDA1425/1435 domes.</p> <p>Dimensions (Ø x H) 233 x 53 mm Weight 0.63 kg</p>  | 2GF1192-8BN |
| CCDA1425-WMI | <p>Indoor Wall Mount CCDA1425-WMI</p> <p>This indoor wall mount attaches directly to a flat upright wall. It is to be used together with the indoor surface mount CCDA1425-SM and CCDA1425/1435 for indoor wall mount solutions.</p> <p>Dimensions (W x H x D) 230 x 266 x 140 mm Weight 1.30 kg</p>  | 2GF1192-8BQ |

Cameras and Domes

Dome Mounts and Accessories






| Type | Order No. |
|---|--------------|
| <p>CCDS1415-DH</p> <p>Solaris Dummy Dome</p> <p>The Solaris dummy dome looks just like the real thing. It is an ideal, low-cost solution wherever offenders are to be discouraged and where video information is not actually required.</p>  <p>Dimensions (Ø x H) 245 x 355 mm Weight 2.00 kg</p> | 2GF1194-8BA |
| <p>CCDS1415-CH</p> <p>Solaris Dome Housing for Camera</p> <p>This camera housing in the Solaris dome design allows a compact surveillance camera (e.g. Siemens CCBx series) to be fitted into a dome housing. The housing includes a support allowing the camera to be manually adjusted to the optimal viewing angle in vertical and horizontal position.</p>  <p>Weight 4.00 kg</p> | 2GF1194-8BB |
| <p>CCDS1425-WM</p> <p>Solaris Wall Mount</p> <p>This wall mount attaches directly to a flat upright wall and includes a mounting flange with a standard 1½" NTP threaded pipe. This simple wall mount can be used to mount the Solaris dome to a wall.</p>  <p>Relative humidity 0 - 90 % Ambient temperature, storage -20 to +60 °C Dimensions (W x H x D) 154 x 270 x 315 mm Weight 3.40 kg</p> | S54561-B4-A1 |
| <p>CCDS1425-PM</p> <p>Solaris Pendant Mount</p> <p>This ceiling pendant mount is a perfect solution for mounting the Solaris dome to any wood, metal, plaster, drywall, or other hard ceiling. The mounting assembly includes a ceiling flange and a standard 1½" NTP threaded pipe for mounting the Solaris dome. Using this pendant mount the weatherproof housing can be suspended from the ceiling.</p>  <p>Relative humidity 0 - 90 % Ambient temperature, storage -40 to +60 °C Dimensions (W x H x D) 154 x 356 x 208 mm Weight 3.00 kg</p> | S54561-B5-A1 |



| Type | Order No. |
|--|---------------------|
| <p>CCDS1425-EXT Solaris Extension Pole</p> <p>The extension pole increases the length of wall and pendant mounts by 0.5 m. For use with CCDS1425-WM and CCDS1425-PM.</p>  <p>Relative humidity 0 - 90 % Ambient temperature, storage -20 to +60 °C Dimensions (Ø x H) 62 x 535 mm Weight 1.00 kg</p> | <p>S54561-B5-A2</p> |
| <p>CCDS1415-FM Solaris Recessed Ceiling Tile Mount</p> <p>This recessed ceiling tile enables the CCDS1415 Solaris dome camera to be installed in a standard false ceiling tile. A bezel concealing the edge of the ceiling cut-out is included in the delivery.</p>  <p>Dimensions (Ø x H) 126 x 530 mm Weight 2.00 kg</p> | <p>2GF1194-8CB</p> |
| <p>CCDS1415-SN Solaris Swan Neck Bracket</p> <p>The swan neck bracket can be mounted for instance behind a projection on a wall. It is made of uncoated metal.</p>  <p>Weight 6.10 kg</p> | <p>2GF1194-8CC</p> |
| <p>CCDS1415-CMA Solaris Corner Mount Adapter</p> <p>This corner mount adapter can be used to fix the wall mount CCDS1415-WM on a right-angled wall corner.</p>  <p>Weight 5.00 kg</p> | <p>2GF1194-8CE</p> |
| <p>CCDS1415-BM Solaris Parapet Mount Adapter</p> <p>This parapet mount adapter can be used to fix the wall mount CCDS1415-WM on a parapet.</p>  <p>Dimensions (Ø x H) 216 x 103 mm Weight 1.00 kg</p> | <p>2GF1194-8CF</p> |

Cameras and Domes

Dome Mounts and Accessories

| Type | Order No. |
|--|-------------|
| <p>CCDS1415-BC</p> <p>Solaris Clear Bubble for CCDS1415</p> <p>Clear bubble for exchange with the bubble that is delivered with the dome camera.</p>  <p>Dimensions (Ø x H) 216 x 103 mm</p> <p>Weight 1.00 kg</p> | 2GF1194-8BD |
| <p>CCDS1415-BS</p> <p>Solaris Tinted Bubble for CCDS1415</p> <p>Tinted bubble for exchange with the bubble that is delivered with the dome camera.</p>  <p>Weight 1.00 kg</p> | 2GF1194-8BE |
| <p>CCDS1415-XTU</p> <p>Solaris External Termination Unit</p> <p>Optional control unit (XTU) for preparation of the subsequent installation of a Solaris dome for applications where a Solaris dome is to be exchanged against a dummy dome at regular intervals.</p>  <p>Dimensions (W x H x D) 250 x 75 x 175 mm</p> <p>Weight 2.00 kg</p> | 2GF1194-8BC |
| <p>CCDS1415-RTU</p> <p>Solaris Remote Termination Unit</p> <p>Remote termination unit for local power supply of the Solaris dome camera. The RTU allows the XTU to be installed at a distance of up to 300 m from the dome camera.</p>  <p>Dimensions (W x H x D) 250 x 75 x 175 mm</p> <p>Input voltage 110 to 230 V AC, 50/60 Hz</p> <p>Weight 1.30 kg</p> | 2GF1194-8CG |
| <p>CCDS1415-BHC</p> <p>Solaris Dome Custom Cover</p> <p>Black heritage cover for Solaris.</p>  <p>Dimensions (Ø x H) 300 x 405 mm (excl. bubble) 400 x 405 mm (incl. bubble)</p> <p>Finish Polyester powder-coated, black</p> <p>Weight 1.25 kg</p> | 2GF1194-8BG |

Cameras and Domes Dome Mounts and Accessories





| Type | | Order No. | |
|--------------|---|-------------|--|
| CCDS1415-WHC | Solaris Dome Custom Cover | 2GF1194-8BH | |
| | White heritage cover for Solaris. | | |
| | Dimensions (Ø x H) | | 300 x 405 mm (excl. bubble) 400 x 405 mm (incl. bubble) |
| | Finish Weight | | Polyester powder-coated, white 1.25 kg |
| CCDS1415-NHC | Solaris Dome Custom Cover | 2GF1194-8BJ | |
| | Natural heritage cover for Solaris. | | |
| | Dimensions (Ø x H) | | 300 x 405 mm (excl. bubble) 400 x 405 mm (incl. bubble) |
| | Finish Weight | | Unpainted 1.25 kg |
| CCDS1415-SS | Solaris Dome Sun & Rain Shield | 2GF1194-8BL | |
| | Dimensions (Ø x H) | | 360 x 12 mm |
| | Weight | | 0.50 kg |



Cameras and Domes

IP Camera Overview

| | CCIS1337 | CCIC1345 | CCIS1345 | CCIW1345 |
|---|--|---|---|---|
| |  |  |  |  |
| Type | Day/night | Colour | Day/night | Day/night Wide Dynamic |
| Image sensor | 1/3" CCD | 1/3" CCD | 1/3" CCD | 1/3" CCD |
| TV lines | 540 | 540 | 540 (colour) / 570 (mono) | 500 (colour WD) / 540 (mono WD) |
| Resolution | High-resolution | High-resolution | High-resolution | High-resolution |
| Compression standard | MJPEG | MJPEG / MPEG4 selectable | | |
| Streaming | QCIF (176 x 144): 25 ips CIF (352 x 288): 25 ips 4CIF (704 x 576): 10 ips | QCIF (176 x 144): 25 ips CIF (352 x 288): 25 ips 2CIF (704 x 288): 25 ips 4CIF (704 x 576): max 25 ips | | |
| Min. illumination (@ 50 IRE video, AGC ON) | | 0.4 lux @ F1.2 | 0.4 lux @ F1.2 (colour) / 0.1 lux @ F1.2 (mono) / 0.01 lux @ F1.2 (IR illumin.) | |
| Active pixels (H x V) | 752 x 582 | 752 x 582 | 752 x 582 | 752 x 582 |
| S/N ratio | > 50 dB | > 50 dB | > 50 dB | > 50 dB |
| Mechanical IR cut filter | ■ | | ■ | ■ |
| Automatic gain control (AGC) | OFF, LOW, HIGH, 30 dB | OFF, LOW, HIGH (selectable) | OFF, LOW, HIGH (selectable) | OFF, ON (selectable) |
| Automatic white balance | ■ | ■ | ■ | ■ |
| Back light compensation | 6 zones | OFF, ON (selectable) | OFF, ON (selectable) | OFF, ON (selectable) |
| External input/output | Alarm input | Alarm input, day/night switch input, alarm output | | |
| Composite BNC video output | ■ | ■ | ■ | ■ |
| Microphone | Integrated plus external connector | | | |
| Protocols | ARP, BOOT/DHCP, TCP/IP, HTTP, ICMP, SNMP, FTP, DNS | TCP/IP, UDP/IP, DHCP, DNS, HTTP(S), RTP (RTCP, RTSP), SMTP, NTP, IGMP v2, UPnP | | |
| Power supply | 12 V DC / 24 V AC | 24 V AC | 24 V AC | 24 V AC |
| Power over Ethernet (PoE) | ■ | ■ | ■ | ■ |
| Video streaming and recording | Hybrid digital recording system SISTORE MX Network Video Recorder SISTORE MX NVR Network Video recording Software SISTORE MX NVS on a PC | | | |

By simply adding an IP module the complete fixed dome range is IP enabled (yet still having the analogue BNC connector available) – offering direct connection to an Ethernet network. Plus, recording is possible using the SISTORE MX digital video surveillance family (see technical table).



Combining analogue BNC & digital IP technology in one device. Allowing selection between compression standards MJPEG and MPEG4 (CCiX1345).





Type

Order No.

CCIS1337-LP

**1/3" DSP Super High-Resolution Day/Night MJPEG IP camera
540 TVL**

2GF1186-8AB



CCIS1337-LP is a super high-resolution day/night IP camera which provides up to 570 TV lines of resolution. The integrated Web server allows the camera to be configured individually and video images to be viewed using an http browser. The IP camera uses the latest CCD/DSP technology to provide crisp images 24 hours a day even in unsatisfactory lighting conditions. CCIS1337-LP is equipped with a mechanical IR filter. The switch-over from colour to black/white can be performed automatically depending on ambient light conditions or by an external signal using the switch input of the camera. In conjunction with the appropriate network components (e.g. hub, switch, etc.) the operating voltage for the camera can be supplied directly over the network cable.

| | |
|--------------------------------|---|
| Television standard | PAL: 625 lines, 50 fields/s Horizontal: 15.625 Hz Vertical: 50 Hz |
| Image sensor | 1/3" interline CCD |
| Pixels | 752 (H) x 582 (V) |
| Synchronisation | Internal: crystal External: line lock (AC only) |
| Picture format | QCIF (176 x 144): 25 ips CIF (352 x 288): 25 ips 4CIF (704 x 576): 10 ips |
| Horizontal resolution | Colour: 540 TV lines B/W: 570 TV lines (Y/C output) |
| Signal/noise ratio | > 50 dB |
| Gain control | Off Automatic: max. 30 dB |
| Shutter speed | Automatic: 1/50 - 1/100,000 s Manual: 1/50 - 1/100,000 s Off: 1/50 s |
| White balance control | ATW1: 2500 - 6500 K ATW2: 2500 - 10,000 K Manual: 2500 - 10,000 K |
| Back light compensation (BLC) | 6 areas |
| Camera titles | 16 characters |
| Lens mount | CS (incl. C-mount adapter) |
| Auto iris lens control | Direct/video drive 2 sockets (rear/side) |
| Infrared sensitive | 880 nm, b/w |
| Network connections | 10baseT Ethernet / 100baseTX Fast Ethernet (auto-sensing) (full/half duplex) |
| Compression | MJPEG |
| Protocols | ARP, BOOTP/DHCP, TCP/IP, HTTP, ICMP, SNMP, FTP and DNS |
| Access protection | Separate passwords for image access and system configuration |
| Tripod thread | A(1/4), 1/4" on bottom and top (depth: 7 mm) |
| Dimensions (W x H x D) | 72 x 63 x 122 mm |
| Ambient temperature, operating | -10 to +40 °C |
| Weight | 0.50 kg |
| Power requirements | 12 V DC ± 10 %, stabilized power supply, 24 V AC ± 10 %, 50 Hz, Power over Ethernet (PoE) |
| Power consumption | Normal operation: 9,2 - 9,66 VA With moving IR cut filter (< 1 s): max. 13 VA |

Cameras and Domes

IP Cameras

| Type | Order No. |
|--|---|
| CFVA-IP  | 2GF1086-8AL |
| MJPEG IP Module for Indoor Fixed Domes | |
| <p>The IP module CFVA-IP is especially designed for use with the indoor dome cameras CFFB1310, CFFB1315, CFFC1310, CFFC1315, CFVB1415, CFVC1415 and CFVS1415. Existing dome camera systems can easily be upgraded to latest IP technology. The integrated Web server allows MJPEG-compressed live images to be viewed using an http browser (Microsoft Internet Explorer from version 5.5 with Java plug-in or Mozilla or Netscape from version 7.0). A live player for stand-alone solutions is supplied with the IP module. The live video images supplied by the device can be embedded in dedicated HTML pages without difficulty. The digital video streams can be saved directly using the digital video recorder SISTORE MX (from version V2.50).</p> | |
| Picture format | QCIF (176 x 144) CIF (352 x 288) 4CIF (704 x 576) (interlaced) |
| Network connections | 10baseT Ethernet / 100baseTX Fast Ethernet (auto-sensing) (full/half duplex) |
| Access protection | Separate passwords for image access and system configuration |
| Protocols | ARP, BOOTP/DHCP, TCP/IP, HTTP, ICMP, SNMP, FTP and DNS |
| Installation | IP address configurable via ARP, BOOTP/DHCP, connection to twisted pair RJ45 Ethernet |
| Power requirements | 12 V DC / 24 V AC, 50 Hz |
| Power consumption | 6 VA |
| Weight | 0.40 kg |
| CVVA-IP  | 2GF1185-8AG |
| MJPEG IP Module for Indoor Vandal-Resistant Domes | |
| <p>The IP module CVVA-IP is especially designed for use with the vandal-proof dome cameras CVVB1315, CVVC1315, CVVS1415. Existing fixed dome camera systems can be easily upgraded to the latest IP technology. The integrated Web Server allows MJPEG-compressed live images to be viewed using an http browser (Microsoft Internet Explorer from version 5.5 with Java plug-in or Mozilla or Netscape from version 7.0). A live player for stand-alone solutions is supplied with the IP module. The live video images supplied by the device can be embedded in dedicated HTML pages without difficulty. The digital video streams can be saved directly using the digital video recorder SISTORE MX (from version V2.50).</p> | |
| Picture format | QCIF (176 x 144) CIF (352 x 288) 4CIF (704 x 576) (interlaced) |
| Network connections | 10baseT Ethernet / 100baseTX Fast Ethernet (auto-sensing) (full/half duplex) |
| Access protection | Separate passwords for image access and system configuration |
| Protocols | ARP, BOOTP/DHCP, TCP/IP, HTTP, ICMP, SNMP, FTP and DNS |
| Installation | IP address configurable via ARP, BOOTP/DHCP, connection to twisted pair RJ45 Ethernet |
| Power requirements | 12 V DC / 24 V AC, 50 Hz |
| Power consumption | 6 VA |
| Weight | 0.62 kg |



Type

Order No.

CCIx1345..

1/3" Super High-Resolution MJPEG/MPEG4 IP Streaming Cameras



The CCIx1345 range is a true CCTV IP security camera range that combines the requirements of classic analogue CCTV cameras with the high performance, flexibility and IT-security of a modern video over IP device. Thanks to hybrid technology, this camera range allows the upgrade of existing video installations to state-of-the-art IP systems. Features like activity (motion) detection, PTZ control, privacy zones, the integrated firewall, the 128 MB alarm image memory and e-mail notification turn this IP camera into a true video security device.

| | |
|--------------------------------|---|
| Television standard | PAL: 2:1 interlace Horizontal: 15.625 Hz Vertical: 50 Hz |
| Pixels | 752 (H) x 582 (V) |
| Synchronisation | Internal: crystal External: line lock (AC only) |
| Picture format | QCIF (176 x 144): max. 25 ips CIF (352 x 288): max. 25 ips 2CIF (704 x 288): max. 25 ips 4CIF (704 x 576): max. 25 ips |
| Signal/noise ratio | 50 dB (weighted, AGC switched off, aperture low) |
| Shutter speed | Automatic: 1/50 - 1/100,000 s |
| White balance control | Automatic: 2500 - 10,000 K / Hold |
| Camera titles | Max. 24 characters |
| Lens mount | CS |
| Network connections | 10 BaseT Ethernet / 100 BaseTX Fast Ethernet (auto-sensing) (full/half duplex) |
| Compression | MJPEG, MPEG4 |
| Protocols | TCP/IP, UDP/IP, DHCP, DNS, HTTP(S), RTP (RTCP, RTSP), SMTP, NTP, IGMP v2, UPnP |
| Access protection | Separate passwords for image access and system configuration |
| Tripod thread | A(1/4), 1/4" on bottom and top (depth: 7 mm) |
| Dimensions (W x H x D) | 121.3 x 76 x 62.6 mm |
| Ambient temperature, operating | -10 to +50 °C |
| Power requirements | 24 V AC ± 10 %, 50 Hz, Power over Ethernet (PoE), max. 500 mA |
| Weight | 0.50 kg |

CCIx1345-LP..

CCIC1345-LP

1/3" Super High-Resolution MJPEG/MPEG4 Color IP Streaming Camera

As CCIx1345.. for technical details, but with the following differences:

| | |
|-------------------------------|--|
| Image sensor | 1/3" CCD |
| Horizontal resolution | Colour: 540 TV lines |
| Minimum illumination | 0.4 lx (F1.2, AGC on, 50 IRE video) |
| Gain control | Off/Low/High |
| Back light compensation (BLC) | Off/On (AE mode) |
| Power consumption | Normal operation 6.0 VA |

2GF1183-8KA

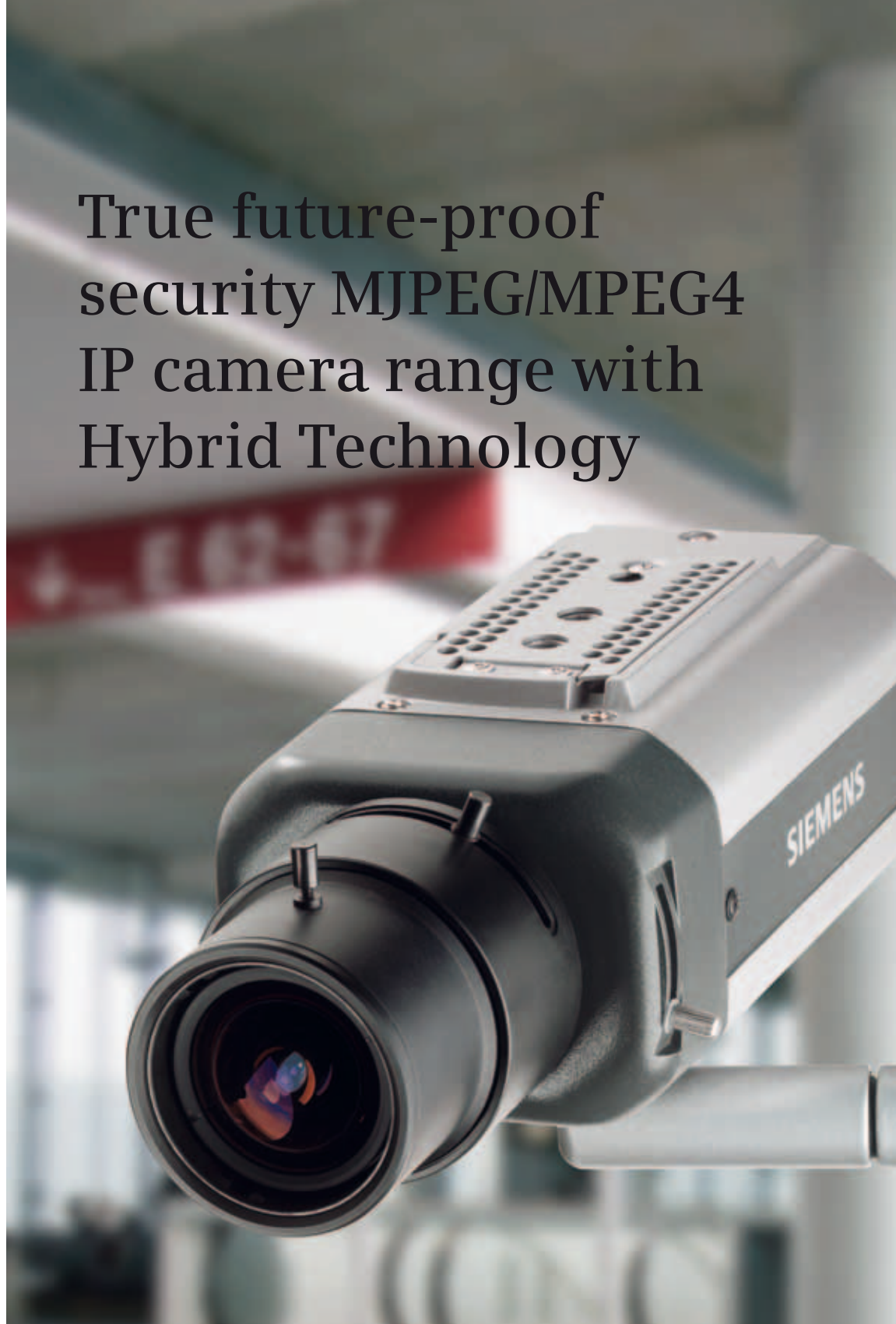
Cameras and Domes

IP Cameras

| Type | Order No. | | | | | | | | | | | | | | |
|--|--|--|-----------------------|---|----------------------|--|--------------|--------------|-------------------------------|------------------|--------------------|------------------------------|-------------------|-------------------------|-------------|
| <p>CCIS1345-LP 1/3" Super High-Resolution MJPEG/MPEG4 Day/Night IP Streaming Camera</p> <p>As CCLx1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Image sensor</td> <td>1/3" CCD with mechanical movable IR-Cut filter</td> </tr> <tr> <td>Horizontal resolution</td> <td>Colour: 540 TV lines B/W: 570 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>Colour: 0.4 lx (F1.2, AGC on, 50 IRE video) B/W: 0.1 lx (F1.2 (AGC on, 50 IRE video) 0.01 lx (F1.2, AGC on, 50 IRE video, IR-Illumination)</td> </tr> <tr> <td>Gain control</td> <td>Off/Low/High</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>Off/On (AE mode)</td> </tr> <tr> <td>Power consumption</td> <td>Normal operation 6.5 VA</td> </tr> </table> | Image sensor | 1/3" CCD with mechanical movable IR-Cut filter | Horizontal resolution | Colour: 540 TV lines B/W: 570 TV lines | Minimum illumination | Colour: 0.4 lx (F1.2, AGC on, 50 IRE video) B/W: 0.1 lx (F1.2 (AGC on, 50 IRE video) 0.01 lx (F1.2, AGC on, 50 IRE video, IR-Illumination) | Gain control | Off/Low/High | Back light compensation (BLC) | Off/On (AE mode) | Power consumption | Normal operation 6.5 VA | 2GF1118-8HA | | |
| Image sensor | 1/3" CCD with mechanical movable IR-Cut filter | | | | | | | | | | | | | | |
| Horizontal resolution | Colour: 540 TV lines B/W: 570 TV lines | | | | | | | | | | | | | | |
| Minimum illumination | Colour: 0.4 lx (F1.2, AGC on, 50 IRE video) B/W: 0.1 lx (F1.2 (AGC on, 50 IRE video) 0.01 lx (F1.2, AGC on, 50 IRE video, IR-Illumination) | | | | | | | | | | | | | | |
| Gain control | Off/Low/High | | | | | | | | | | | | | | |
| Back light compensation (BLC) | Off/On (AE mode) | | | | | | | | | | | | | | |
| Power consumption | Normal operation 6.5 VA | | | | | | | | | | | | | | |
| <p>CCIW1345-LP 1/3" Super High-Resolution MJPEG/MPEG4 Day/Night Wide Dynamic IP Streaming Camera</p> <p>As CCLx1345.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Image sensor</td> <td>1/3" SONY Double Density CCD with mechanical movable IR-Cut filter</td> </tr> <tr> <td>Horizontal resolution</td> <td>Colour (WD): 500 TV lines B/W (WD): 540 TV lines</td> </tr> <tr> <td>Minimum illumination</td> <td>Colour: 0.4 lx (F1.2, AGC on, 50 IRE video) B/W: 0.1 lx (F1.2, AGC on, 50 IRE video) 0.01 lx (F1.2, AGC on, 50 IRE video, IR-Illumination)</td> </tr> <tr> <td>Gain control</td> <td>Off/On</td> </tr> <tr> <td>Back light compensation (BLC)</td> <td>Off/On (AE mode)</td> </tr> <tr> <td>Infrared sensitive</td> <td>In night mode: 850 - 1000 nm</td> </tr> <tr> <td>Power consumption</td> <td>Normal operation 7.0 VA</td> </tr> </table> | Image sensor | 1/3" SONY Double Density CCD with mechanical movable IR-Cut filter | Horizontal resolution | Colour (WD): 500 TV lines B/W (WD): 540 TV lines | Minimum illumination | Colour: 0.4 lx (F1.2, AGC on, 50 IRE video) B/W: 0.1 lx (F1.2, AGC on, 50 IRE video) 0.01 lx (F1.2, AGC on, 50 IRE video, IR-Illumination) | Gain control | Off/On | Back light compensation (BLC) | Off/On (AE mode) | Infrared sensitive | In night mode: 850 - 1000 nm | Power consumption | Normal operation 7.0 VA | 2GF1118-8HB |
| Image sensor | 1/3" SONY Double Density CCD with mechanical movable IR-Cut filter | | | | | | | | | | | | | | |
| Horizontal resolution | Colour (WD): 500 TV lines B/W (WD): 540 TV lines | | | | | | | | | | | | | | |
| Minimum illumination | Colour: 0.4 lx (F1.2, AGC on, 50 IRE video) B/W: 0.1 lx (F1.2, AGC on, 50 IRE video) 0.01 lx (F1.2, AGC on, 50 IRE video, IR-Illumination) | | | | | | | | | | | | | | |
| Gain control | Off/On | | | | | | | | | | | | | | |
| Back light compensation (BLC) | Off/On (AE mode) | | | | | | | | | | | | | | |
| Infrared sensitive | In night mode: 850 - 1000 nm | | | | | | | | | | | | | | |
| Power consumption | Normal operation 7.0 VA | | | | | | | | | | | | | | |



True future-proof security MJPEG/MPEG4 IP camera range with Hybrid Technology







This comprehensive range of true IP security cameras combines classic analogue camera features with the high flexibility and IT security of a modern video over IP device, offering Web server, firewall and motion detection as integrated features. These cameras are really future-proof as they can be used in either traditional CCTV systems (via BNC connection), or in an IP network – thanks to Hybrid Technology from Siemens. Plus, the compression standard is selectable between MJPEG or MPEG4, ensuring the highest flexibility and allowing the system to be optimised depending on image quality or bandwidth when transmitting over a network. The high-performance CCD sensor enables very high light sensitivity to deliver outstanding images when either used in- or outdoors, by day or night. Furthermore, Siemens cameras are “UVV Kassen” certified – the highest certification standard in Germany, required by all banks. www.siemens.com/ip-cameras

Answers for infrastructure.

SIEMENS

Cameras and Domes

Accessories Cameras and Domes

| Type | Order No. |
|---|-----------------------|
| CCBC1345-DC  | S54561-C201-A1 |
| Dummy Camera Non-functional dummy camera for indoor usage, including dummy lens and mains power cord. Dimensions (W x H x D) 72 x 63 x 122 mm Weight 0.30 kg | |
| PSU230-12  | 2GF1800-8BE |
| Plug Type Power Supply 230 V AC / 12 V DC Step-down plug type power supply 230 V AC / 12 V DC. Supplied with 2.00 m DC cable with open end. Input voltage 230 V AC, 50 Hz Output voltage 12 V DC, 640 mA Plug connections Input: European plug Output: open end Number of pins 2 Weight 0.40 kg | |
| CAPA2410-P230  | 2GF1800-8BJ |
| Plug type Power Supply 230 V AC / 24 V AC Plug type power supply 230 V AC, 24 V AC, 500 mA. Supplied with 2.00 m DC cable with open end. Input voltage 230 V AC, 50 Hz Output voltage 24 V AC, 500 mA Plug connections Input: european plug Output: open end Number of pins 2 Weight 0.30 kg | |
| CAPA2415-C230  | 2GF1800-8BK |
| Indoor Power Supply 230 V AC / 24 V AC Indoor power supply 230 V AC / 24 V AC, 60 W. Supplied with 1.50 m mains power cable with European plug and screw terminal for 24 V AC output. Input voltage 230 V AC, 50 Hz Output voltage 24 V AC, 2.5 A Plug connections Input: 1.50 m cable with European plug Output: screw terminal Number of pins 2 Weight 1.90 kg | |



| Type | Order No. |
|---|---------------------|
| <p>CAPA2415-W230</p>  <p>Outdoor Power Supply 230 V AC / 24 V AC</p> <p>Outdoor power supply 230 V AC / 24 V AC, 60 W with IP67 weather-proof rated, plastic outdoor housing. Cable entry via cable glands: mains power, 24 V AC (4 x M16).</p> <p>Input voltage 230 V AC, 50 Hz Output voltage 24 V AC Plug connections Input: 3-pin spring type terminal Output: 3 x 2 pin spring type terminal Weight 2.40 kg</p> | <p>2GF1800-8BL</p> |
| <p>WJB-12</p> <p>Weatherproof Junction Box IP65</p> <p>For compact cameras, as transition-, junction- and distribution box. 2 x 3 power clips for control lines and video test connector (BNC), fitted in a weatherproof plastic housing. Power supply not included.</p> <p>Plug connections 6 (2 x 3) BNC junction connections Degree of protection IP65 Weight 1.65 kg</p> | <p>2GF1803-8AC</p> |
| <p>CFFA-RS</p>  <p>Remote Setup Kit for Fixed Domes CFxx and Vandal Domes CVxx Including Remote Setup Software and Remote Adapter 0.50 m</p> <p>This remote setup kit is used for comfortable remote setup of all fixed and vandal domes that support a remote setup feature.</p> | <p>2GF1086-8AJ</p> |
| <p>CAPD1210-C230</p>  <p>Power Supply 12 V DC</p> <p>This power supply is available as an accessory for camera housings and the VK-3 Keyboard.</p> <p>Power requirements 230 V AC Output voltage 12 V DC, 0.5 A - unregulated Number of pins 2 Weight 0.52 kg</p> | <p>S54561-B7-A1</p> |

“All-in-one” auto
focus camera ...



Up to 22x optical zoom

... out of the box and
ready to mount.



The front of any CCTV system is a lens, often overlooked but a very important part of any system ...

Provides the right view in a variety of security surveillance situations with these professional lenses that are easy to adjust. Focal-length and focus adjustments have screw-locks to ensure views remain as initially set.





Manual iris CS-mount lenses for use in applications with stable illumination levels. Also ideal for use with modern 1/3" CCD cameras featuring automatic electronic shuttering (AES).

Auto-iris CS-mount lenses direct drive (DC-type) suitable for use with modern cameras featuring internal auto-iris drive circuits. Particularly suitable for use with cameras surveying outdoor scenes or in situations where widely varying illumination levels are likely to occur.



- Zoom lenses feature accurate multi-turn potentiometers; for use in conjunction with pan/tilt heads and controllers that support "preset" automatic positioning
- Varifocal models include aspherical lenses, offering a compact size
- Specific range of varifocal lenses for use with day/night cameras

Lenses

Fixed Focal Length Lenses





| Type | | Order No. |
|--------------|---|-------------|
| CLFM13.. | <p>Manual Iris</p> <p>Lens with high-performance glass optics and manual iris mechanism. Professional lenses with screw-locks to ensure images remain sharply focused. The technical details of these lenses are listed below:</p> | CLFM13.. |
| CLFM1212/12 | <p>12.0 mm F1.2, 1/2" C</p>  <p>Focal length 12.0 mm Maximum relative aperture F1.2 Angle of view Horizontal: 29.7° Minimum object distance 0.30 m Focus type Adjustable Format 1/2" C-mount Weight 0.08 kg</p> | 2GF1640-8AH |
| CLFM1314/2.8 | <p>2.8 mm F1.4, 1/3" CS</p>  <p>Focal length 2.8 mm Maximum relative aperture F1.4 Angle of view Horizontal: 95.6° Minimum object distance 0.20 m Focus type Adjustable Format 1/3" CS-mount Weight 0.06 kg</p> | 2GF1661-8AL |
| CLFM1312/4 | <p>4.0 mm F1.2, 1/3" CS</p>  <p>Focal length 4.0 mm Maximum relative aperture F1.2 Angle of view Horizontal: 70.6° Minimum object distance 0.25 m Focus type Adjustable Format 1/3" CS-mount Weight 0.05 kg</p> | 2GF1661-8AM |
| CLFM1312/6 | <p>6.0 mm F1.2, 1/3" CS</p>  <p>Focal length 6.0 mm Maximum relative aperture F1.2 Angle of view Horizontal: 48.1° Minimum object distance 0.30 m Focus type Adjustable Format 1/3" CS-mount Weight 0.04 kg</p> | 2GF1661-8AN |



| Type | Order No. | | | | | | | | | | | | | | |
|---|-------------------|---------|---------------------------|------------|---------------------------|-------------------|-------------------------|-------------------|-------------------------|---------------|--------|---------------|--------------------|---------|--------------------|
| <p>CLFM1312/8 8.0 mm F1.2, 1/3" CS</p>  <table border="0"> <tr> <td>Focal length</td> <td>8.0 mm</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.2</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 36.5°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.30 m</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Weight</td> <td>0.04 kg</td> </tr> </table> | Focal length | 8.0 mm | Maximum relative aperture | F1.2 | Angle of view | Horizontal: 36.5° | Minimum object distance | 0.30 m | Focus type | Adjustable | Format | 1/3" CS-mount | Weight | 0.04 kg | <p>2GF1661-8AP</p> |
| Focal length | 8.0 mm | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.2 | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 36.5° | | | | | | | | | | | | | | |
| Minimum object distance | 0.30 m | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | |
| Format | 1/3" CS-mount | | | | | | | | | | | | | | |
| Weight | 0.04 kg | | | | | | | | | | | | | | |
| <p>CLFM1316/16 16 mm F1.6, 1/3" CS</p>  <table border="0"> <tr> <td>Focal length</td> <td>16.0 mm</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.6</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 17.6°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.70 m</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Weight</td> <td>0.04 kg</td> </tr> </table> | Focal length | 16.0 mm | Maximum relative aperture | F1.6 | Angle of view | Horizontal: 17.6° | Minimum object distance | 0.70 m | Focus type | Adjustable | Format | 1/3" CS-mount | Weight | 0.04 kg | <p>2GF1661-8AQ</p> |
| Focal length | 16.0 mm | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.6 | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 17.6° | | | | | | | | | | | | | | |
| Minimum object distance | 0.70 m | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | |
| Format | 1/3" CS-mount | | | | | | | | | | | | | | |
| Weight | 0.04 kg | | | | | | | | | | | | | | |
| <p>CLFD13.. Auto-Iris, Direct Drive</p> <p>Lens with high-performance glass optics, galvanometric direct drive, auto-iris mechanism and ND spot-filter – ideal for outdoor applications. Screw-lock ensures images remain sharply focused. Supplied with fitted plug.</p> <p>The technical details of these lenses are listed below:</p> | <p>CLFD13..</p> | | | | | | | | | | | | | | |
| <p>CLFD1214/12 12.0 mm F1.4, 1/2" C</p>  <table border="0"> <tr> <td>Focal length</td> <td>12.0 mm</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.4</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 29.7°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.20 m</td> </tr> <tr> <td>Format</td> <td>1/2" C-mount</td> </tr> <tr> <td>Weight</td> <td>0.08 kg</td> </tr> </table> | Focal length | 12.0 mm | Focus type | Adjustable | Maximum relative aperture | F1.4 | Angle of view | Horizontal: 29.7° | Minimum object distance | 0.20 m | Format | 1/2" C-mount | Weight | 0.08 kg | <p>2GF1642-8AT</p> |
| Focal length | 12.0 mm | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.4 | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 29.7° | | | | | | | | | | | | | | |
| Minimum object distance | 0.20 m | | | | | | | | | | | | | | |
| Format | 1/2" C-mount | | | | | | | | | | | | | | |
| Weight | 0.08 kg | | | | | | | | | | | | | | |
| <p>CLFD1314/2.8 2.8 mm F1.4, 1/3" CS</p>  <table border="0"> <tr> <td>Focal length</td> <td>2.8 mm</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.4</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 95.6°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.20 m</td> </tr> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Weight</td> <td>0.06 kg</td> </tr> </table> | Focal length | 2.8 mm | Maximum relative aperture | F1.4 | Angle of view | Horizontal: 95.6° | Minimum object distance | 0.20 m | Format | 1/3" CS-mount | Weight | 0.06 kg | <p>2GF1663-8AN</p> | | |
| Focal length | 2.8 mm | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.4 | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 95.6° | | | | | | | | | | | | | | |
| Minimum object distance | 0.20 m | | | | | | | | | | | | | | |
| Format | 1/3" CS-mount | | | | | | | | | | | | | | |
| Weight | 0.06 kg | | | | | | | | | | | | | | |

Lenses

Fixed Focal Length Lenses

| Type | | Order No. | |
|---|--|-------------|-------------|
| CLFD1312/4 | 4.0 mm F1.2, 1/3" CS | 2GF1663-8AP | |
|  | Focal length 4.0 mm Maximum relative aperture F1.2 Angle of view Horizontal: 70.6° Minimum object distance 0.25 m Format 1/3" CS-mount Weight 0.06 kg | | |
| CLFD1312/6 | 6.0 mm F1.2, 1/3" CS | | 2GF1663-8AQ |
|  | Focal length 6.0 mm Maximum relative aperture F1.2 Angle of view Horizontal: 48.1° Minimum object distance 0.30 m Format 1/3" CS-mount Weight 0.05 kg | | |
| CLFD1312/8 | 8.0 mm F1.2, 1/3" CS | 2GF1663-8AR | |
|  | Focal length 8.0 mm Maximum relative aperture F1.2 Angle of view Horizontal: 36.5° Minimum object distance 0.30 m Format 1/3" CS-mount Weight 0.05 kg | | |
| CLFD1316/16 | 16 mm F1.6, 1/3" CS | 2GF1663-8AS | |
|  | Focal length 16.0 mm Maximum relative aperture F1.6 Angle of view Horizontal: 17.6° Minimum object distance 0.70 m Focus type Adjustable Format 1/3" CS-mount Weight 0.05 kg | | |



| Type | | Order No. | | | | | | | | | | | | | | |
|---------------------------|--|--------------|---------------|--------------|-------------|---------------------------|------------|---------------------------|-------------------------|-------------------------|---------------------------|-------------------------|---------------|-------------|---------|-------------|
| CLVM13.. | <p>Manual Iris</p> <p>Lens with high-performance glass optics for compact size with manual iris. Focal length and focus adjustments have screw-locks to ensure views remain as initially set. Supplied with fitted plug. The technical details of these lenses are listed below:</p> | CLVM13.. | | | | | | | | | | | | | | |
| CLVM1314/3.5-8 | <p>3.5 - 8 mm F1.4 1/3" CS</p>  <table> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Focal length</td> <td>3.5 - 8 mm</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.4</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 35 - 73.8°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.30 m</td> </tr> <tr> <td>Weight</td> <td>0.09 kg</td> </tr> </table> | Format | 1/3" CS-mount | Focal length | 3.5 - 8 mm | Focus type | Adjustable | Maximum relative aperture | F1.4 | Angle of view | Horizontal: 35 - 73.8° | Minimum object distance | 0.30 m | Weight | 0.09 kg | 2GF1664-8AG |
| Format | 1/3" CS-mount | | | | | | | | | | | | | | | |
| Focal length | 3.5 - 8 mm | | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.4 | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 35 - 73.8° | | | | | | | | | | | | | | | |
| Minimum object distance | 0.30 m | | | | | | | | | | | | | | | |
| Weight | 0.09 kg | | | | | | | | | | | | | | | |
| CLVM1314/2.5-10 | <p>2.5 - 10 mm F1.4 1/3" CS</p>  <table> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Focal length</td> <td>2.5 - 10 mm</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.4</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 28.3 - 105.8°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.30 m</td> </tr> <tr> <td>Weight</td> <td>0.08 kg</td> </tr> </table> | Format | 1/3" CS-mount | Focal length | 2.5 - 10 mm | Focus type | Adjustable | Maximum relative aperture | F1.4 | Angle of view | Horizontal: 28.3 - 105.8° | Minimum object distance | 0.30 m | Weight | 0.08 kg | 2GF1664-8AK |
| Format | 1/3" CS-mount | | | | | | | | | | | | | | | |
| Focal length | 2.5 - 10 mm | | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.4 | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 28.3 - 105.8° | | | | | | | | | | | | | | | |
| Minimum object distance | 0.30 m | | | | | | | | | | | | | | | |
| Weight | 0.08 kg | | | | | | | | | | | | | | | |
| CLVM1325/5-50 | <p>Manual Iris</p>  <table> <tr> <td>Focal length</td> <td>5 - 50 mm</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.4 - C</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 5.6 - 53.6°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.30 m</td> </tr> <tr> <td>Weight</td> <td>0.20 kg</td> </tr> </table> | Focal length | 5 - 50 mm | Focus type | Adjustable | Maximum relative aperture | F1.4 - C | Angle of view | Horizontal: 5.6 - 53.6° | Minimum object distance | 0.30 m | Weight | 0.20 kg | 2GF1664-8AN | | |
| Focal length | 5 - 50 mm | | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.4 - C | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 5.6 - 53.6° | | | | | | | | | | | | | | | |
| Minimum object distance | 0.30 m | | | | | | | | | | | | | | | |
| Weight | 0.20 kg | | | | | | | | | | | | | | | |
| CLVM1318/7-70 | <p>7 - 70 mm F1.8 1/3" CS</p>  <table> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Focal length</td> <td>7 - 70 mm</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.8</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 4.2 - 40.1°</td> </tr> <tr> <td>Minimum object distance</td> <td>0.30 - 1.00 m</td> </tr> <tr> <td>Weight</td> <td>0.20 kg</td> </tr> </table> | Format | 1/3" CS-mount | Focal length | 7 - 70 mm | Focus type | Adjustable | Maximum relative aperture | F1.8 | Angle of view | Horizontal: 4.2 - 40.1° | Minimum object distance | 0.30 - 1.00 m | Weight | 0.20 kg | 2GF1664-8AJ |
| Format | 1/3" CS-mount | | | | | | | | | | | | | | | |
| Focal length | 7 - 70 mm | | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.8 | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 4.2 - 40.1° | | | | | | | | | | | | | | | |
| Minimum object distance | 0.30 - 1.00 m | | | | | | | | | | | | | | | |
| Weight | 0.20 kg | | | | | | | | | | | | | | | |

Lenses

Varifocal Length Lenses

| Type | | Order No. |
|-----------------|---|-------------|
| CLVD13.. | <p>Auto-Iris, Direct Drive</p> <p>Lens with high-performance glass optics for compact size, galvanometric direct, drive auto-iris mechanism. Focal length and focus adjustments have screw-locks to ensure views remain as initially set. Supplied with fitted plug.</p> <p>The technical details of these lenses are listed below:</p> | CLVD13.. |
| CLVD1314/3.5-8 | <p>3.5 - 8 mm F1.4 1/3" CS</p>  <p>Format 1/3" CS-mount Focal length 3.5 - 8 mm Focus type Adjustable Angle of view Horizontal: 35 - 73.8° Minimum object distance 0.30 m Weight 0.08 kg</p> | 2GF1667-8AJ |
| CLVD1314/2.5-10 | <p>2.5 - 10 mm F1.4 1/3" CS</p>  <p>Format 1/3" CS-mount Focal length 2.5 - 10 mm Focus type Adjustable Angle of view Horizontal: 28.3 - 105.8° Minimum object distance 0.30 m Weight 0.08 kg</p> | 2GF1667-8AM |
| CLVD1325/5-50 | <p>Auto-Iris, Direct Drive</p> <p>Focal length 5 - 50 mm Focus type Adjustable Maximum relative aperture F1.4 - C Angle of view Horizontal: 5.6 - 53.6° Minimum object distance 0.30 m Weight 0.20 kg</p> | 2GF1667-8AU |
| CLVD1318/7-70 | <p>7 - 70 mm F1.8 1/3" CS</p>  <p>Format 1/3" CS-mount Focal length 7 - 70 mm Focus type Adjustable Maximum relative aperture F1.8 - 360 Angle of view Horizontal: 4.2 - 40.1° Minimum object distance 0.30 - 1.00 m Weight 0.20 kg</p> | 2GF1667-8AL |


Lenses
Varifocal Length Lenses



| Type | | Order No. | | | | | | | | | | | | | | |
|---------------------------|--|------------|---------------|--------------|------------|---------------|--------------------------|---------------------------|--------------------------|---------------------------|------------|-------------------------|---------|-------------|---------|-------------|
| CLVD1318.. | <p>Auto-Iris, Direct Drive for Use with Day/Night Cameras</p> <p>Lens with high-performance aspherical glass optics for compact size, galvanometric direct drive, auto-iris mechanism and infrared correction – ideal for outdoor applications and designed for use with day/night cameras to ensure there is no focal shift when switching from colour by day, to black/white by night. Focal length and focus adjustments have screw-locks to ensure views remain as initially set. Supplied with fitted plug.</p> <p>The technical details of these lenses are listed below:</p> | CLVD1318.. | | | | | | | | | | | | | | |
| CLVD1218/4-12 | <p>4 - 12 mm F1.2 1/2" VF, AS, IR</p> <table border="0"> <tr> <td>Format</td> <td>1/2" CS-mount</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Focal length</td> <td>4 - 12 mm</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 31.2 - 93.6°</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.2 - 360</td> </tr> <tr> <td>Minimum object distance</td> <td>0.30 m</td> </tr> <tr> <td>Weight</td> <td>0.07 kg</td> </tr> </table> | Format | 1/2" CS-mount | Focus type | Adjustable | Focal length | 4 - 12 mm | Angle of view | Horizontal: 31.2 - 93.6° | Maximum relative aperture | F1.2 - 360 | Minimum object distance | 0.30 m | Weight | 0.07 kg | 2GF1651-8AB |
| Format | 1/2" CS-mount | | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | | |
| Focal length | 4 - 12 mm | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 31.2 - 93.6° | | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.2 - 360 | | | | | | | | | | | | | | | |
| Minimum object distance | 0.30 m | | | | | | | | | | | | | | | |
| Weight | 0.07 kg | | | | | | | | | | | | | | | |
| CLVD1218/10-40 | <p>10 – 40 mm F1.4 1/2" VF, AS, IR</p> <table border="0"> <tr> <td>Format</td> <td>1/2" CS-mount</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Focal length</td> <td>10 - 40 mm</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 9.2 - 37.5°</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.4 - 360</td> </tr> <tr> <td>Minimum object distance</td> <td>0.50 m</td> </tr> <tr> <td>Weight</td> <td>0.09 kg</td> </tr> </table> | Format | 1/2" CS-mount | Focus type | Adjustable | Focal length | 10 - 40 mm | Angle of view | Horizontal: 9.2 - 37.5° | Maximum relative aperture | F1.4 - 360 | Minimum object distance | 0.50 m | Weight | 0.09 kg | 2GF1651-8AA |
| Format | 1/2" CS-mount | | | | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | | | | |
| Focal length | 10 - 40 mm | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 9.2 - 37.5° | | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.4 - 360 | | | | | | | | | | | | | | | |
| Minimum object distance | 0.50 m | | | | | | | | | | | | | | | |
| Weight | 0.09 kg | | | | | | | | | | | | | | | |
| CLVD1318/3-8 | <p>3 - 8 mm F1.0 1/3" VF, AS, IR</p> <table border="0"> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Focal length</td> <td>3 - 8 mm</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 36.2 - 90.8°</td> </tr> <tr> <td>Maximum relative aperture</td> <td>F1.0 - 360</td> </tr> <tr> <td>Minimum object distance</td> <td>0.20 m</td> </tr> <tr> <td>Weight</td> <td>0.05 kg</td> </tr> </table> | Format | 1/3" CS-mount | Focal length | 3 - 8 mm | Angle of view | Horizontal: 36.2 - 90.8° | Maximum relative aperture | F1.0 - 360 | Minimum object distance | 0.20 m | Weight | 0.05 kg | 2GF1667-8AQ | | |
| Format | 1/3" CS-mount | | | | | | | | | | | | | | | |
| Focal length | 3 - 8 mm | | | | | | | | | | | | | | | |
| Angle of view | Horizontal: 36.2 - 90.8° | | | | | | | | | | | | | | | |
| Maximum relative aperture | F1.0 - 360 | | | | | | | | | | | | | | | |
| Minimum object distance | 0.20 m | | | | | | | | | | | | | | | |
| Weight | 0.05 kg | | | | | | | | | | | | | | | |

Lenses

Varifocal Length Lenses

| Type | Order No. |
|---|--|
| CLVD1318/2.8-11 | 2GF1667-8AR |
|  | <p>2.8 - 11 mm F1.4 1/3" VF, AS, IR</p> <p>Format 1/3" CS-mount Focal length 2.8 - 11 mm Angle of view Horizontal: 26.2 - 97.4° Maximum relative aperture F1.4 - 360 Minimum object distance 0.30 m Weight 0.09 kg</p> |
| CLVD1318/10-40 | 2GF1667-8AS |
|  | <p>10 - 40 mm F1.4 1/3" VF, AS, IR</p> <p>Format 1/3" CS-mount Focal length 10 - 40 mm Angle of view Horizontal: 7.0 - 27.5° Maximum relative aperture F1.4 - 360 Minimum object distance 0.50 m Weight 0.08 kg</p> |

Lenses

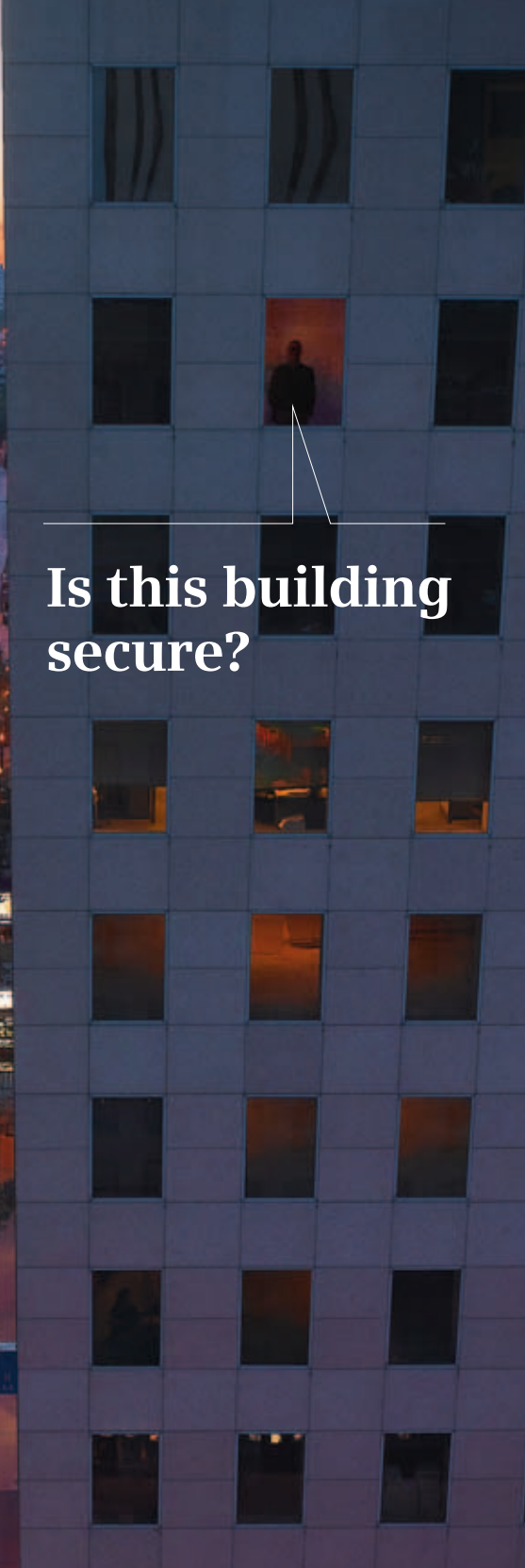
Zoom Lenses



| Type | Order No. | | | | | | | | | | | | |
|---|------------------------|---------------|--------------|------------|--------------|------------|---------------|-------------------|-------------------------|--------|--------|---------|---------------------------|
| <p>CLPD1312/6-72</p> <p>Auto-Iris, Direct Drive, Presets, 6 - 72 mm F 1.2 1/3" CS</p>  <p>CS-mount, motor zoom lens with 5K Ohm zoom and focus feedback potentiometers for use as presets, high-performance glass optics, galvanometric direct drive, auto-iris mechanism and ND spot-filter. Supplied with fitted iris plug.</p> <table border="0"> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Focal length</td> <td>6 - 72 mm</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 43.7°</td> </tr> <tr> <td>Minimum object distance</td> <td>1.5 m</td> </tr> <tr> <td>Weight</td> <td>0.57 kg</td> </tr> </table> | Format | 1/3" CS-mount | Focal length | 6 - 72 mm | Focus type | Adjustable | Angle of view | Horizontal: 43.7° | Minimum object distance | 1.5 m | Weight | 0.57 kg | <p>2GF1666-8AD</p> |
| Format | 1/3" CS-mount | | | | | | | | | | | | |
| Focal length | 6 - 72 mm | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | |
| Angle of view | Horizontal: 43.7° | | | | | | | | | | | | |
| Minimum object distance | 1.5 m | | | | | | | | | | | | |
| Weight | 0.57 kg | | | | | | | | | | | | |
| <p>CLZD13..</p> <p>Auto-Iris, Direct Drive</p> <p>CS-mount, motor zoom lens with zoom and focus drives, high-performance glass optics, galvanometric direct drive, auto-iris mechanism and ND spot-filter. Supplied with fitted iris plug. The technical details of these lenses are listed below:</p> | <p>CLZD13..</p> | | | | | | | | | | | | |
| <p>CLZD1314/6-36</p> <p>Auto-Iris, Direct Drive 6 - 36 mm F 1.2 1/3" CS</p>  <table border="0"> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Focal length</td> <td>6 - 36 mm</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 43.6°</td> </tr> <tr> <td>Minimum object distance</td> <td>1.30 m</td> </tr> <tr> <td>Weight</td> <td>0.30 kg</td> </tr> </table> | Format | 1/3" CS-mount | Focus type | Adjustable | Focal length | 6 - 36 mm | Angle of view | Horizontal: 43.6° | Minimum object distance | 1.30 m | Weight | 0.30 kg | <p>2GF1665-8AF</p> |
| Format | 1/3" CS-mount | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | |
| Focal length | 6 - 36 mm | | | | | | | | | | | | |
| Angle of view | Horizontal: 43.6° | | | | | | | | | | | | |
| Minimum object distance | 1.30 m | | | | | | | | | | | | |
| Weight | 0.30 kg | | | | | | | | | | | | |
| <p>CLZD1312/6-72</p> <p>Auto-Iris, Direct Drive 6 - 72 mm F 1.2 1/3" CS</p>  <table border="0"> <tr> <td>Format</td> <td>1/3" CS-mount</td> </tr> <tr> <td>Focus type</td> <td>Adjustable</td> </tr> <tr> <td>Focal length</td> <td>6 - 72 mm</td> </tr> <tr> <td>Angle of view</td> <td>Horizontal: 43.7°</td> </tr> <tr> <td>Minimum object distance</td> <td>1.50 m</td> </tr> <tr> <td>Weight</td> <td>0.57 kg</td> </tr> </table> | Format | 1/3" CS-mount | Focus type | Adjustable | Focal length | 6 - 72 mm | Angle of view | Horizontal: 43.7° | Minimum object distance | 1.50 m | Weight | 0.57 kg | <p>2GF1665-8AG</p> |
| Format | 1/3" CS-mount | | | | | | | | | | | | |
| Focus type | Adjustable | | | | | | | | | | | | |
| Focal length | 6 - 72 mm | | | | | | | | | | | | |
| Angle of view | Horizontal: 43.7° | | | | | | | | | | | | |
| Minimum object distance | 1.50 m | | | | | | | | | | | | |
| Weight | 0.57 kg | | | | | | | | | | | | |



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For all seasons, a range of camera housings ...


A complete range of IP66 camera housings together with a full range of accessories, brackets and spare parts tailored to the customer's need. All of these items adhere to high quality and reliability standards to support a safe and easy installation.

High-performance aluminium camera housings complete with sunshield. Ideal for cameras fitted with either fixed, varifocal or zoom lenses. Suitable for static or pan/tilt mounting. The outer body of the housing is easily removed allowing in-situ adjustment of camera, lens and cabling.

The protective housing is suited for permanent mounting with the available wall arms or for direct mounting on a pan and tilt head. The housing cover is easy to remove, facilitating on-site installation and cabling of the camera with lens. Space is provided in the housing for installation of a twisted pair transmitter or fibre optic module.

Housings and Mounts

Outdoor Housings

| Type | Order No. |
|--|--|
| CHSM2510  | 2GF1705-8NA |
| Camera Housing 300 mm, IP66, 1 x M12, 1 x M16, 1 x M20 | |
| <p>A stylish-looking, general purpose aluminium camera housing complete with anti-reflective ABS polymer sunshield, plexiglass face-plate with polycarbonate front and rear. Ideal for any Siemens camera fitted with any Siemens monofocal or varifocal lens. Three cable entries provide for power, video, control cable (RS485 for camera etc.) or system cable. The outer body of the housing is easily removed, allowing in-situ adjustment of camera, lens and cabling. Included is a board for easy connecting on all cable and a twisted pair transmitters. Supplied, as standard, with a positive temperature coefficient heater element and thermostat. Does not include power supply.</p> | |
| Heater rating | 110 - 230 V AC, 40 W |
| Automatic heater | Off: 20 °C ± 3 °C |
| | On: 14 °C ± 3 °C |
| Cable entry | 1 x M12, 1 x M16, 1 x M20 |
| Finish | Centre section: extruded and die-cast aluminium Front and rear sections: robust plastic |
| Colour | White aluminium (RAL 9006) |
| Degree of protection | IP66 |
| Usable volume (W x H x D) | 77 x 67 x 250 mm |
| Dimensions (W x H x D) | 137 x 129 x 466 mm |
| Weight | 3.20 kg |
| CHSL2610  | 2GF1705-8PA |
| Camera Housing 320 mm, IP66, 1 x M12, 1 x M16, 1 x M20 | |
| <p>A stylish-looking, general purpose complete all-aluminium camera housing with aluminium sunshield and glass face-plate. Ideal for any Siemens camera fitted with any Siemens monofocal, varifocal or zoom lens. Three cable entries provide for power, video, control cable (zoom lens, RS485 for camera etc.) or system cable. The outer body of the housing is easily removed, allowing in-situ adjustment of camera, lens and cabling. Included is a connection board for easy connecting on all cable and a twisted pair transmitters and a bracket for easy mounting of a fibre optic transmitter.</p> | |
| <p>Supplied, as standard, with a positive temperature coefficient heater element and thermostat. Does not include power supply.</p> | |
| Heater rating | 110 - 230 V AC, 40 W |
| Automatic heater | Off: 20 °C ± 3 °C |
| | On: 14 °C ± 3 °C |
| Cable entry | 1 x M12, 1 x M16, 1 x M20 |
| Finish | Die-cast aluminium |
| Colour | White aluminium (RAL 9006) |
| Degree of protection | IP66 |
| Usable volume (W x H x D) | 90 x 85 x 260 mm |
| Dimensions (W x H x D) | 144 x 141 x 470 mm |
| Weight | 3.20 kg |

Housings and Mounts

Outdoor Housings



3

Type

Order No.

CHM

Camera Housing 320 mm, IP66, 2 x PG9, 1 x PG16

2GF1705-8EA



Suitable for indoor and outdoor mounting. Includes sunshield with gutter, 3 PG screwed glands, camera mounting plate with anti-slip surface, and thermostatic switch. Does not include power supply.

| | |
|------------------------|--|
| Heater rating | 110 - 265 V AC, 7 W |
| Automatic heater | Off: 20 °C ± 3 °C On: 16 °C ± 3 °C |
| Cable entry | 2 x PG9, 1 x PG16 |
| Finish | Centre section: extruded and die-cast aluminium Front and rear sections: robust plastic |
| Colour | Off-white (RAL 9002) |
| Degree of protection | IP66 |
| Dimensions (W x H x D) | 133 x 124.6 x 473 mm |
| Weight | 2.80 kg |

CHH

Camera Housing 320 mm, IP66, Quick Connector

2GF1705-8FA



Suitable for indoor and outdoor mounting. Includes sunshield with gutter, 3 PG screwed glands, camera mounting plate with anti-slip surface, and thermostatic switch. With internal distribution board and internal multipoint connector. Service and maintenance is simplified significantly and the housing is much more mobile. Does not include power supply.

| | |
|------------------------|--|
| Heater rating | 110 - 265 V AC, 7 W |
| Automatic heater | Off: 20 °C ± 3 °C On: 16 °C ± 3 °C |
| Cable entry | 2 x PG9, 1 x PG16 |
| Finish | Centre section: extruded and die-cast aluminium Front and rear sections: robust plastic |
| Colour | Off-white (RAL 9002) |
| Degree of protection | IP66 |
| Dimensions (W x H x D) | 133 x 124.6 x 473 mm |
| Weight | 2.90 kg |

ECH-M

Camera Housing 300 mm, IP66, 2 x PG9

2GF1705-8JA





Suitable for indoor and outdoor mounting. Robust aluminium housing with attractive design. Two PG9 cable glands. Removable carriage for simple maintenance of camera in operating position. Integrated gutter at front of sunshield. Supplied, as standard, with a positive temperature coefficient heater element and thermostat. Various brackets are available to suit mounting requirements. Does not include power supply.



| | |
|------------------------|---------------------------------------|
| Heater rating | 110 - 230 V AC, 40 W |
| Automatic heater | Off: 20 °C ± 3 °C On: 14 °C ± 3 °C |
| Cable entry | 2 x PG9 |
| Finish | Extruded and die-cast aluminium |
| Colour | Off-white (RAL 9002) |
| Degree of protection | IP66 |
| Dimensions (W x H x D) | 105 x 95 x 355 mm |
| Weight | 1.90 kg |

Housings and Mounts

Outdoor Housings



| Type | Order No. |
|--|--|
| ECH-B  | 2GF1705-8KA |
| Camera Housing 320 mm, IP66, 3 x PG9 | |
| <p>Suitable for indoor and outdoor mounting. Robust aluminium housing with attractive design. Two PG9 cable glands. Removable carriage for simple maintenance of camera in operating position. Integrated gutter at front of sunshield. Supplied, as standard, with a positive temperature coefficient heater element and thermostat. Various brackets are available to suit mounting requirements. Does not include power supply.</p> | |
| Heater rating | 110 - 230 V AC, 40 W |
| Automatic heater | Off: 20 °C ± 3 °C On: 14 °C ± 3 °C |
| Cable entry | 1 x PG11, 2 x PG9 |
| Finish | Extruded and die-cast aluminium |
| Colour | Off-white (RAL 9002) |
| Degree of protection | IP66 |
| Usable volume (W x H x D) | 90 x 85 x 260 mm |
| Dimensions (W x H x D) | 144 x 141 x 470 mm |
| Weight | 3.20 kg |
| CHSL4010  | S54561-C603-A1 |
| Large Camera Housing, 110 - 230 V AC | |
| <p>Ideal for most applications, especially for larger length cameras and lenses. Suitable for outdoor use. Extruded aluminium section construction. Sunshield is adjustable along the length of the housing body. Hinge retained body allows easy access for maintenance. Adjustable mounting plate to suit most camera/lens assemblies. Demister & sunshield fitted as standard, optional wiper and washer available.</p> | |
| Power requirements | 110 - 230 V AC, 50/60 Hz |
| Colour | Housing body, sunshield: polyester powder-coated, white aluminium (RAL 9006) Endcaps: polyester powder-coated, anthracite grey (RAL 7016) |
| Cable entry | 1 x M25, 2 x M20, 1 x M16 |
| Dimensions (W x H x D) | 155 x 143 x 627 mm |
| Usable volume (W x H x D) | 125 x 100 x 400 mm |
| Finish | Housing body and sunshield: extruded aluminium Front and rear caps: die-cast aluminium |
| Automatic heater | Off: 20 °C On: 14 °C |
| Heater rating | Nominal 7 W, max. 25 W PTC resistor heating element |
| Degree of protection | IP66 |
| Weight | 6.00 kg |



| Type | Order No. |
|---|------------------------------|
| <p>CHSL4011</p> <p>Large Camera Housing, 12 - 24 V AC</p>  <p>Ideal for most applications, especially for larger length cameras and lenses. Suitable for outdoor use. Extruded aluminium section construction. Sunshield is adjustable along the length of the housing body. Hinge retained body allows easy access for maintenance. Adjustable mounting plate to suit most camera/lens assemblies. Demister & sunshield fitted as standard, optional wiper and washer available.</p> <p>Power requirements: 12 - 24 V AC, 50/60 Hz Colour: Housing body, sunshield: polyester powder-coated, white aluminium (RAL 9006) Endcaps: polyester powder-coated, anthracite grey (RAL 7016)</p> <p>Dimensions (W x H x D): 155 x 143 x 627 mm Usable volume (W x H x D): 125 x 100 x 400 mm Finish: Housing body and sunshield: extruded aluminium Front and rear caps: die-cast aluminium</p> <p>Automatic heater: Off: 20 °C On: 14 °C</p> <p>Heater rating: Nominal 7 W, max. 25 W PTC resistor heating element</p> <p>Degree of protection: IP66 Weight: 6.00 kg</p> | <p>S54561-C603-A2</p> |
| <p>CHSM2210</p> <p>Medium Camera Housing, 110 - 230 V AC</p>  <p>An addition to the housing range, the medium housing offers attractive styling with attractive features. Enables mounting with a bracket or with pan/tilt heads.</p> <p>Power requirements: 110 - 230 V AC, 50/60 Hz Colour: Housing body, sunshield: polyester powder-coated, white aluminium (RAL 9006) Endcaps: polyester powder-coated, anthracite grey (RAL 7016)</p> <p>Cable entry: 1 x M20, 2 x M16 Dimensions (W x H x D): 133 x 125 x 454 mm Usable volume (W x H x D): 85 x 80 x 225 mm Finish: Housing body and sunshield: extruded aluminium Front and rear caps: die-cast aluminium</p> <p>Automatic heater: Off: 20 °C On: 14 °C</p> <p>Heater rating: Nominal 7 W, max. 25 W PTC resistor heating element</p> <p>Degree of protection: IP66 Weight: 2.50 kg</p> | <p>S54561-C601-A1</p> |

Housings and Mounts

Outdoor Housings

| Type | Order No. |
|---|----------------|
| <p>CHSM2211</p> <p>Medium Camera Housing, 12 - 24 V AC</p> <p>An addition to the housing range, the medium housing offers attractive styling with attractive features. Enables mounting with a bracket or with pan/tilt heads.</p>  <p>Power requirements 12 - 24 V AC, 50/60 Hz</p> <p>Colour Housing body, sunshield: polyester powder-coated, white aluminium (RAL 9006) Endcaps: polyester powder-coated, anthracite grey (RAL 7016)</p> <p>Dimensions (W x H x D) 133 x 125 x 454 mm</p> <p>Usable volume (W x H x D) 85 x 80 x 225 mm</p> <p>Finish Housing body and sunshield: extruded aluminium Front and rear caps: die-cast aluminium</p> <p>Automatic heater Off: 20 °C On: 14 °C</p> <p>Heater rating Nominal 7 W, max. 25 W PTC resistor heating element</p> <p>Degree of protection IP66</p> <p>Weight 2.50 kg</p> | S54561-C601-A2 |
| <p>CHSM2210-B</p> <p>Medium Camera Housing with Integral Bracket, 110 - 230 V AC</p> <p>An addition to the housing range, the medium housing offers attractive styling with attractive features. The adjustment system and the integral cable management system make this the only real choice where style and ease of installation are concerned.</p>  <p>Power requirements 110 - 230 V AC, 50/60 Hz</p> <p>Colour Housing body, sunshield: polyester powder-coated, white aluminium (RAL 9006) Endcaps: polyester powder-coated, anthracite grey (RAL 7016)</p> <p>Dimensions (W x H x D) Housing: 133 x 125 x 458 mm Bracket: 133 x 194 x 169 mm</p> <p>Usable volume (W x H x D) 85 x 80 x 225 mm</p> <p>Finish Housing body and sunshield: extruded aluminium Front and rear caps: die-cast aluminium</p> <p>Automatic heater Off: 20 °C On: 14 °C</p> <p>Heater rating Nominal 7 W, max. 25 W PTC resistor heating element</p> <p>Degree of protection IP66</p> <p>Weight 3.50 kg</p> | S54561-C602-A1 |

Housings and Mounts

Outdoor Housings



Type

Order No.

CHSM2211-B

Medium Camera Housing with Integral Bracket, 12 - 24 V AC

S54561-C602-A2



An addition to the housing range, the medium housing offers attractive styling with attractive features. The adjustment system and the integral cable management system make this the only real choice where style and ease of installation are concerned.

| | |
|---------------------------|--|
| Power requirements | 12 - 24 V AC, 50/60 Hz |
| Colour | Housing body, sunshield: polyester powder-coated, white aluminium (RAL 9006) Endcaps: polyester powder-coated, anthracite grey (RAL 7016) |
| Dimensions (W x H x D) | Housing: 133 x 125 x 458 mm Bracket: 133 x 194 x 169 mm mm |
| Usable volume (W x H x D) | 85 x 80 x 225 mm |
| Finish | Housing body and sunshield: extruded aluminium Front and rear caps: die-cast aluminium |
| Automatic heater | Off: 20 °C On: 14 °C |
| Heater rating | Nominal 7 W, max. 25 W PTC resistor heating element |
| Degree of protection | IP66 |
| Weight | 3.50 kg |

Housings and Mounts

Housing Mounts

| Type | Order No. |
|--|-----------------------|
| CHBC2020  | S54561-B611-A1 |
| Cable Management Bracket for CHSL2610/CHSM2510 <p>Aluminium wall mount with integral swivel-tilt joint. The housing position is secured with a single clamping/adjustment bolt. The bracket includes three gaskets which can be installed at EHSL2610/CHSL2510 to ensure the IP66 class of the housing.</p> <p>Arm length 204 mm Dimensions (W x H x D) 204 x 80 x 120 mm Colour White aluminium (RAL 9006) Finish Epoxy powder-coated Load rating 25 kg</p> | |
| CHBS2310  | 2GF1705-8LE |
| Bracket for CHSL2610/CHSM2510 <p>Aluminium wall mount with integral swivel-tilt joint. The housing position is secured with a single clamping/adjustment bolt.</p> <p>Arm length 227 mm Dimensions (W x H x D) 227 x 75.4 x 86 mm Colour White aluminium (RAL 9006) Finish Epoxy powder-coated Load rating 25 kg</p> | |
| CHBA0111  | 2GF1705-8LG |
| Corner-Adapter for CHBC2010/CHBS2310 Mounts <p>Aluminium adapter to enable the CHBC2010 and CHBS2310 housing wall mount to be fitted to a corner. Provided complete with stainless-steel fixtures to attach the adapter to a corner and the mount to the adapter.</p> <p>Dimensions (W x H x D) 120 x 130 x 215 mm Colour White aluminium (RAL 9006) Finish Epoxy powder-coated Load rating 25 kg Weight 1.10 kg</p> | |
| CHBA0211  | 2GF1705-8LH |
| Pole-Adapter for CHBC2010/CHBS2310 Mounts <p>Aluminium adapter to enable the CHBC2010 and CHBS2310 housing wall mount to be fitted to round poles and posts. Provided complete with stainless-steel fixtures to attach the adapter to a pole and the mount to the adapter.</p> <p>Dimensions (W x H) 110 x 175 mm Colour White aluminium (RAL 9006) Finish Epoxy powder-coated Load rating 25 kg Weight 1.10 kg</p> | |

Housings and Mounts

Housing Mounts



3

Type

Order No.

WMB-HM-HH

Wall Mount Bracket for CHM, CHH

2GF1705-8GB

For mounting a CHM/CHH housing on a vertical surface.



| | |
|------------------------|----------------------|
| Arm length | 226 mm |
| Dimensions (W x H x D) | 150 x 355 x 205 mm |
| Colour | Off-white (RAL 9002) |
| Finish | Cast aluminium |
| Load rating | 8 kg |
| Weight | 1.50 kg |

WMB-S-M-B

Bracket for ECH-B/ECH-M

2GF1705-8LB

Aluminium wall mount with integral swivel-tilt joint and internal cable channel for secure cabling from the wall, directly into the camera housing through the bracket, ensuring no visible cables. The housing position is secured with a single clamping/adjustment bolt.



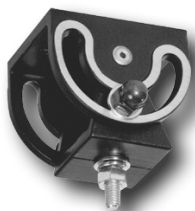
| | |
|------------------------|----------------------|
| Arm length | 227 mm |
| Dimensions (W x H x D) | 227 x 75.4 x 86 mm |
| Colour | Off-white (RAL 9002) |
| Finish | Epoxy powder-coated |
| Load rating | 25 kg |
| Weight | 0.50 kg |

HMB-PH

Mounting Block

2GF1710-8AW

For installation of a protective housing on a horizontal or inclined surface, on a wall bracket or pole bracket.



| | |
|------------------------|-----------------|
| Dimensions (W x H x D) | 58 x 70 x 61 mm |
| Colour | Matt black |
| Finish | Cast aluminium |
| Load rating | 30 kg |
| Weight | 0.25 kg |

VCH910

Ceiling Mount Bracket for ECH-B/ECH-M

GBQ:A5383360001

Aluminium ceiling mount with internal cable channel and integral housing, swivel-tilt joint. The housing position is secured with a single fixture. Three fixing holes on the base-plate enable stable mounting on flat surfaces. Provided complete with stainless-steel fixtures to attach the housing to the mount.



| | |
|------------------------|----------------------|
| Arm length | 390 mm |
| Dimensions (W x H x D) | 170 x 255 x 390 mm |
| Colour | Off-white (RAL 9002) |
| Finish | Epoxy powder-coated |
| Load rating | 25 kg |
| Weight | 1.78 kg |

Housings and Mounts

Housing Mounts

| Type | Order No. | | | | | | | | | | | | |
|--|--|----------------------------|------------------------|----------------------|--------|--|-------------|----------------------------|-------------|---------|--------|---------|--|
| VCH992  | GBQ:A5383490001 | | | | | | | | | | | | |
| <p>Pedestal-Mount ECH-B/ECH-M</p> <p>Aluminium pedestal for mounting housings on the top of poles or building parapets. The integrated joint enables the top-mounted housing to be rotated and tilted. Four fixing holes on the base enable stable mounting on flat surfaces. Provided complete with stainless-steel fixtures to attach the housing to the mount.</p> <table border="0"> <tr> <td>Arm length</td> <td>185 mm</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>121 x 121 x 185 mm</td> </tr> <tr> <td>Colour</td> <td>Off-white (RAL 9002)</td> </tr> <tr> <td>Finish</td> <td>Epoxy powder-coated</td> </tr> <tr> <td>Load rating</td> <td>15 kg</td> </tr> <tr> <td>Weight</td> <td>0.63 kg</td> </tr> </table> | Arm length | 185 mm | Dimensions (W x H x D) | 121 x 121 x 185 mm | Colour | Off-white (RAL 9002) | Finish | Epoxy powder-coated | Load rating | 15 kg | Weight | 0.63 kg | |
| Arm length | 185 mm | | | | | | | | | | | | |
| Dimensions (W x H x D) | 121 x 121 x 185 mm | | | | | | | | | | | | |
| Colour | Off-white (RAL 9002) | | | | | | | | | | | | |
| Finish | Epoxy powder-coated | | | | | | | | | | | | |
| Load rating | 15 kg | | | | | | | | | | | | |
| Weight | 0.63 kg | | | | | | | | | | | | |
| VCH990  | GBQ:A5383520001 | | | | | | | | | | | | |
| <p>Pole-Adapter for VCH900, VPT900 Mounts</p> <p>Aluminium adapter to enable the WMB-S-M-B housing wall mount and VPT900 pan/tilt, wall mount to be fitted to round poles and posts. Provided complete with stainless-steel fixtures to attach the adapter to a pole and the mount to the adapter.</p> <table border="0"> <tr> <td>Dimensions (W x H)</td> <td>110 x 175 mm</td> </tr> <tr> <td>Colour</td> <td>Off-white (RAL 9002)</td> </tr> <tr> <td>Finish</td> <td>Epoxy powder-coated</td> </tr> <tr> <td>Load rating</td> <td>30 kg</td> </tr> <tr> <td>Weight</td> <td>1.28 kg</td> </tr> </table> | Dimensions (W x H) | 110 x 175 mm | Colour | Off-white (RAL 9002) | Finish | Epoxy powder-coated | Load rating | 30 kg | Weight | 1.28 kg | | | |
| Dimensions (W x H) | 110 x 175 mm | | | | | | | | | | | | |
| Colour | Off-white (RAL 9002) | | | | | | | | | | | | |
| Finish | Epoxy powder-coated | | | | | | | | | | | | |
| Load rating | 30 kg | | | | | | | | | | | | |
| Weight | 1.28 kg | | | | | | | | | | | | |
| CHBS2815  | S54561-C605 | | | | | | | | | | | | |
| <p>Wall Swivel Bracket</p> <p>Fits onto the CHSL401x and CHSM221x housings. This bracket utilises the extrusion features of the housing to provide a slide and lock mounting to the bracket.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>50 x 85 x 280 mm</td> </tr> <tr> <td>Load rating</td> <td>15 kg</td> </tr> <tr> <td>Finish</td> <td>Die-cast aluminium</td> </tr> <tr> <td>Colour</td> <td>White aluminium (RAL 9006)</td> </tr> <tr> <td>Weight</td> <td>0.60 kg</td> </tr> </table> | Dimensions (W x H x D) | 50 x 85 x 280 mm | Load rating | 15 kg | Finish | Die-cast aluminium | Colour | White aluminium (RAL 9006) | Weight | 0.60 kg | | | |
| Dimensions (W x H x D) | 50 x 85 x 280 mm | | | | | | | | | | | | |
| Load rating | 15 kg | | | | | | | | | | | | |
| Finish | Die-cast aluminium | | | | | | | | | | | | |
| Colour | White aluminium (RAL 9006) | | | | | | | | | | | | |
| Weight | 0.60 kg | | | | | | | | | | | | |
| CDBC0075  | S54561-C710 | | | | | | | | | | | | |
| <p>Corner Bracket</p> <p>A corner mount adaptor which allows the fixed brackets to be mounted on the corner of buildings. The design of the adaptor spreads the load over a large area. A typical bracket which can be mounted to this adaptor is e.g. the CDBS4540. The unobtrusive and simple design allows the simple and effective installation of CCTV equipment on the corner of buildings. Corner mounting allows an excellent viewpoint to be achieved from a CCTV installation.</p> <table border="0"> <tr> <td>Colour</td> <td>White aluminium (RAL 9006)</td> </tr> <tr> <td>Load rating</td> <td>75 kg</td> </tr> <tr> <td>Finish</td> <td>Zinc plate, powder-coated, 10 SWG mild steel</td> </tr> <tr> <td>Weight</td> <td>4.50 kg</td> </tr> </table> | Colour | White aluminium (RAL 9006) | Load rating | 75 kg | Finish | Zinc plate, powder-coated, 10 SWG mild steel | Weight | 4.50 kg | | | | | |
| Colour | White aluminium (RAL 9006) | | | | | | | | | | | | |
| Load rating | 75 kg | | | | | | | | | | | | |
| Finish | Zinc plate, powder-coated, 10 SWG mild steel | | | | | | | | | | | | |
| Weight | 4.50 kg | | | | | | | | | | | | |

Housings and Mounts

Housing Mounts



Type

Order No.

CHBA221x-B

Ceiling Mount Bracket

S54561-C606




A ceiling mount bracket casting which can be used with the CHSM2210-B and CHSM2211-B housings. The casting replaces the standard casting and is bought as an after market add-on. The bracket is suitable for indoor and outdoor use.

| | |
|--------|----------------------------|
| Colour | White aluminium (RAL 9006) |
| Finish | Polyester powder-coated |
| Weight | 0.80 kg |

3

Housings and Mounts

Spares Housings and Mounts

| Type | Order No. |
|--|--------------------|
| CAHL401x-W  <p>Spare Wiper Arm</p> <p>Spare wiper arm assembly for a CAHL4010-WK and CAHL4011-WK wiper kit. Wiper kits are available as an accessory for CHSL4010 and CHSL4011 camera housings.</p> <p>Weight 0.10 kg</p> | S54561-B604 |

Housings and Mounts

Accessories Housings and Mounts





3

| Type | | Order No. | | | | | | | | | | | | | | |
|------------------------------|--|------------------------|--------------------|----------------|----------------------------|--------------------|-----------------------------------|------------------------|-----------------------|----------------|------------------|------------------------------|-------|--------|---------|-------------|
| AA-4124-04 | <p>Power Supply 24 V AC for CHSM2510/CHSL2610</p> <p>Step-down power supply designed to be mounted within CHSM2510 and CHSL2610 housings to provide 24 V AC power to the camera.</p> <table border="0"> <tr> <td>Input voltage</td> <td>230 V AC \pm 5 %</td> </tr> <tr> <td>Output voltage</td> <td>24 V AC \pm 5%</td> </tr> <tr> <td>Frequency</td> <td>50 Hz</td> </tr> <tr> <td>Input voltage</td> <td>230 V AC \pm 5 %</td> </tr> <tr> <td>Output voltage</td> <td>24 V AC \pm 5%</td> </tr> <tr> <td>Ambient temperature, storage</td> <td>45 °C</td> </tr> <tr> <td>Weight</td> <td>0.40 kg</td> </tr> </table> | Input voltage | 230 V AC \pm 5 % | Output voltage | 24 V AC \pm 5% | Frequency | 50 Hz | Input voltage | 230 V AC \pm 5 % | Output voltage | 24 V AC \pm 5% | Ambient temperature, storage | 45 °C | Weight | 0.40 kg | 2GF1705-8GH |
| Input voltage | 230 V AC \pm 5 % | | | | | | | | | | | | | | | |
| Output voltage | 24 V AC \pm 5% | | | | | | | | | | | | | | | |
| Frequency | 50 Hz | | | | | | | | | | | | | | | |
| Input voltage | 230 V AC \pm 5 % | | | | | | | | | | | | | | | |
| Output voltage | 24 V AC \pm 5% | | | | | | | | | | | | | | | |
| Ambient temperature, storage | 45 °C | | | | | | | | | | | | | | | |
| Weight | 0.40 kg | | | | | | | | | | | | | | | |
| MA6-15-120 | <p>Power Supply 12 V DC for CHSM2510/CHSL2610</p> <p>Step-down power supply designed to be mounted within CHSM2510 and CHSL2610 housings to provide 12 V DC power to the camera.</p> <table border="0"> <tr> <td>Frequency</td> <td>50 - 60 Hz</td> </tr> <tr> <td>Input voltage</td> <td>90 - 265 V AC</td> </tr> <tr> <td>Weight</td> <td>0.14 kg</td> </tr> </table> | Frequency | 50 - 60 Hz | Input voltage | 90 - 265 V AC | Weight | 0.14 kg | 2GF1705-8GG | | | | | | | | |
| Frequency | 50 - 60 Hz | | | | | | | | | | | | | | | |
| Input voltage | 90 - 265 V AC | | | | | | | | | | | | | | | |
| Weight | 0.14 kg | | | | | | | | | | | | | | | |
| PSU12-CHM/CHH | <p>PSU 12 V DC Inside Housing for CHM/CHH</p> <p>Step-down power supply designed to be mounted within CHM and CHH housings to provide 12 V DC power to the camera.</p> <table border="0"> <tr> <td>Input voltage</td> <td>230 V AC</td> </tr> <tr> <td>Output voltage</td> <td>12 V DC, 600 mA stabilized</td> </tr> <tr> <td>Heating connection</td> <td>230 V AC, max. 100 mA</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>96 x 97.5 x 49 mm</td> </tr> <tr> <td>Weight</td> <td>0.03 kg</td> </tr> </table> | Input voltage | 230 V AC | Output voltage | 12 V DC, 600 mA stabilized | Heating connection | 230 V AC, max. 100 mA | Dimensions (W x H x D) | 96 x 97.5 x 49 mm | Weight | 0.03 kg | 2GF1705-8GA | | | | |
| Input voltage | 230 V AC | | | | | | | | | | | | | | | |
| Output voltage | 12 V DC, 600 mA stabilized | | | | | | | | | | | | | | | |
| Heating connection | 230 V AC, max. 100 mA | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 96 x 97.5 x 49 mm | | | | | | | | | | | | | | | |
| Weight | 0.03 kg | | | | | | | | | | | | | | | |
| PSU12/24-CHM/CHH | <p>PSU 12 V DC, 24 V AC Inside Housing CHM/CHH</p> <p>Step-down power supply designed to be mounted within CHM and CHH housings to provide 12 V DC power to the camera.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>96 x 97.5 x 49 mm</td> </tr> <tr> <td>Input voltage</td> <td>230 V AC</td> </tr> <tr> <td>Output voltage</td> <td>12 V DC, 600 mA / 24 V AC, 100 mA</td> </tr> <tr> <td>Heating connection</td> <td>230 V AC, max. 100 mA</td> </tr> <tr> <td>Weight</td> <td>0.30 kg</td> </tr> </table> | Dimensions (W x H x D) | 96 x 97.5 x 49 mm | Input voltage | 230 V AC | Output voltage | 12 V DC, 600 mA / 24 V AC, 100 mA | Heating connection | 230 V AC, max. 100 mA | Weight | 0.30 kg | 2GF1705-8GF | | | | |
| Dimensions (W x H x D) | 96 x 97.5 x 49 mm | | | | | | | | | | | | | | | |
| Input voltage | 230 V AC | | | | | | | | | | | | | | | |
| Output voltage | 12 V DC, 600 mA / 24 V AC, 100 mA | | | | | | | | | | | | | | | |
| Heating connection | 230 V AC, max. 100 mA | | | | | | | | | | | | | | | |
| Weight | 0.30 kg | | | | | | | | | | | | | | | |
| PSU12-ECH/S/M | <p>PSU 12 V DC Inside Housing for ECH-S/M</p> <p>Step-down power supply designed to be mounted within ECH-S/M, VCH200/210 housings to provide 12 V DC power to the camera.</p> <table border="0"> <tr> <td>Input voltage</td> <td>230 V AC</td> </tr> <tr> <td>Output voltage</td> <td>12 V DC, 400 mA</td> </tr> <tr> <td>Weight</td> <td>0.08 kg</td> </tr> </table> | Input voltage | 230 V AC | Output voltage | 12 V DC, 400 mA | Weight | 0.08 kg | 2GF1705-8LA | | | | | | | | |
| Input voltage | 230 V AC | | | | | | | | | | | | | | | |
| Output voltage | 12 V DC, 400 mA | | | | | | | | | | | | | | | |
| Weight | 0.08 kg | | | | | | | | | | | | | | | |



Housings and Mounts

Accessories Housings and Mounts




| Type | | Order No. |
|---------------|--|-------------|
| PSU24-ECH/S/M | <p>PSU 24 V DC Inside Housing for ECH-S/ECH-M</p> <p>Step-down power supply designed to be mounted within ECH-S/M,VCH200/210 housings to provide 12 V DC power to the camera.</p>  <p>Input voltage 230 V AC Output voltage 24 V AC, 400 mA Weight 0.20 kg</p> | 2GF1705-8LD |
| PSU12-ECH/B | <p>PSU12-ECH/B PSU 12 V DC for ECH-B Housing</p> <p>Power supply designed to be mounted within ECH-B housings to provide 12 V DC.</p> <p>Input voltage 230 V AC Output voltage 12 V DC, 400 mA Weight 0.50 kg</p> | 2GF1705-8KB |
| PSU24-ECH/B | <p>PSU24-ECH/B PSU 24 V AC for ECH-B Housing</p> <p>Power supply designed to be mounted within ECH-B housings to provide 24 V AC.</p> <p>Input voltage 230 V AC Output voltage 24 V AC, 400 mA Weight 0.50 kg</p> | 2GF1705-8KC |
| MT2WT-ECH | <p>Mounting 2WT 2-Wire Transmitter ECH-M/B</p> <p>Mounting set for fitting the SMD two-wire transmitter in the camera to the protective housing ECH-M/ECH-B.</p>  <p>Weight 0.03 kg</p> | 2GF1705-8LC |
| CHHA2410 | <p>Replacement Heater Kit 24 V AC</p> <p>Heater kit for CHSM2510 & CHSL2610 housings.</p> <p>Weight 0.11 kg</p> | 2GF1705-8GJ |
| CHHM2310 | <p>Replacement Heater Kit 230 V AC</p> <p>Heater kit for CHSM2510 & CHSL2610 housings.</p> <p>Weight 0.11 kg</p> | 2GF1705-8GK |

Housings and Mounts

Accessories Housings and Mounts





3

| Type | | Order No. |
|-------------|--|-----------------|
| VCH993-230 | <p>Replacement Heater for ECH M, ECH S, 230 V AC</p> <p>Positive temperature coefficient heater element with thermostat for VCH200/210 housings.</p> <p>Automatic heater Off: 20 °C ± 3 °C On: 14 °C ± 3 °C</p> <p>Heater rating 110 - 230 V AC, 40 W</p> <p>Weight 0.10 kg</p> | GBQ:A5572360001 |
| VCH993-24 | <p>Replacement Heater for ECH M, ECH S, 24 V AC</p> <p>Positive temperature coefficient heater element with thermostat for VCH400 housing.</p> <p>Automatic heater Off: 20 °C ± 3 °C On: 14 °C ± 3 °C</p> <p>Heater rating 12 V DC / 24 V AC, 20 W</p> <p>Weight 0.10 kg</p> | GBQ:A5572490001 |
| VCH994-230 |  <p>Replacement Heater Kit for ECH-B, 230 V AC</p> <p>Positive temperature coefficient heater element with thermostat for VCH400 housing.</p> <p>Automatic heater Off: 20 °C ± 3 °C On: 14 °C ± 3 °C</p> <p>Heater rating 110 - 230 V AC, 40 W</p> <p>Weight 0.10 kg</p> | GBQ:A5572520001 |
| VCH994-24 | <p>Replacement Heater Kit for ECH-B, 24 V AC</p> <p>Positive temperature coefficient heater element with thermostat for VCH400 housing.</p> <p>Automatic heater Off: 20 °C ± 3 °C On: 14 °C ± 3 °C</p> <p>Heater rating 12 V DC / 24 V AC, 20 W</p> <p>Weight 0.10 kg</p> | GBQ:A5572650001 |
| CAHL4011-WK |  <p>Wiper Kit for CHSL4011 Camera Housing, 24 V AC</p> <p>This kit is supplied as a means to add a wiper to the CHSL4011 camera housings.</p> <p>Power requirements 24 V AC, 50/60 Hz</p> <p>Power consumption 200 mA</p> <p>Degree of protection IP66 (housing assembly)</p> <p>Weight 0.80 kg</p> | S54561-C608-A2 |
| CAHL4010-WK |  <p>Wiper Kit for CHSL4010 Camera Housing, 230 V AC</p> <p>This kit is supplied as a means to add a wiper to the CHSL4010 camera housings.</p> <p>Power requirements 230 V AC, 50/60 Hz</p> <p>Power consumption 25 mA</p> <p>Degree of protection IP66 (housing assembly)</p> <p>Weight 0.80 kg</p> | S54561-C608-A1 |

Housings and Mounts

Accessories Housings and Mounts

| Type | Order No. | | | | | | | | | | |
|--|---|--------------------|-----------------|-------------------|--------|----------------------|------|--------|---|--------|---------|
| CAHL4011-WU | S54561-C607-A2 | | | | | | | | | | |
|  | <p>WA05/L 5 Litre Washer, 24 V AC</p> <p>This washer has been designed to work with the HS01/L camera housings. It is designed to be used in conjunction with a wiper system to enable the camera viewing window to be kept clean. The operation of the washer can be controlled from a control unit via a telemetry receiver.</p> <table> <tr> <td>Power requirements</td> <td>24 V AC, 50 Hz</td> </tr> <tr> <td>Power consumption</td> <td>2.5 A</td> </tr> <tr> <td>Degree of protection</td> <td>IP66</td> </tr> <tr> <td>Finish</td> <td>Washer bottle: H.D.P.E thermo-plastic Wall bracket: zinc plated mild steel</td> </tr> <tr> <td>Weight</td> <td>3.00 kg</td> </tr> </table> | Power requirements | 24 V AC, 50 Hz | Power consumption | 2.5 A | Degree of protection | IP66 | Finish | Washer bottle: H.D.P.E thermo-plastic Wall bracket: zinc plated mild steel | Weight | 3.00 kg |
| Power requirements | 24 V AC, 50 Hz | | | | | | | | | | |
| Power consumption | 2.5 A | | | | | | | | | | |
| Degree of protection | IP66 | | | | | | | | | | |
| Finish | Washer bottle: H.D.P.E thermo-plastic Wall bracket: zinc plated mild steel | | | | | | | | | | |
| Weight | 3.00 kg | | | | | | | | | | |
| CAHL4010-WU | S54561-C607-A1 | | | | | | | | | | |
|  | <p>WA05 5 Litre Washer, 230 V AC</p> <p>This washer has been designed to work with the HS01 camera housings. It is designed to be used in conjunction with a wiper system to enable the camera viewing window to be kept clean. The operation of the washer can be controlled from a control unit via a telemetry receiver.</p> <table> <tr> <td>Power requirements</td> <td>230 V AC, 50 Hz</td> </tr> <tr> <td>Power consumption</td> <td>0.23 A</td> </tr> <tr> <td>Degree of protection</td> <td>IP66</td> </tr> <tr> <td>Finish</td> <td>Washer bottle: H.D.P.E thermo-plastic Wall bracket: zinc plated mild steel</td> </tr> <tr> <td>Weight</td> <td>3.00 kg</td> </tr> </table> | Power requirements | 230 V AC, 50 Hz | Power consumption | 0.23 A | Degree of protection | IP66 | Finish | Washer bottle: H.D.P.E thermo-plastic Wall bracket: zinc plated mild steel | Weight | 3.00 kg |
| Power requirements | 230 V AC, 50 Hz | | | | | | | | | | |
| Power consumption | 0.23 A | | | | | | | | | | |
| Degree of protection | IP66 | | | | | | | | | | |
| Finish | Washer bottle: H.D.P.E thermo-plastic Wall bracket: zinc plated mild steel | | | | | | | | | | |
| Weight | 3.00 kg | | | | | | | | | | |

Pan/Tilt and Telemetry Equipment



Telemetry equipment designed for buildings

A complete range of telemetry receivers connecting to pan/tilt head devices, operating at fixed or variable speeds and offering different maximum loads. The range is designed for both internal and external use. Models allow simple connection and control via matrix switching systems and keyboards, including setting and calling preset positions, and variable speed control.

Pan/Tilt and Telemetry Equipment

Pan/Tilt Telemetry Controller

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|-----------------|--|-------------------|--|-----------|-------------------------------|------------------|--|----------|------------------------------------|--------|----------------------------|----------------------|------|------------------------|------------------------------------|--------------------|----------------|-------------------|-------|--------|---------|--------------------|
| CKA4820  | 2GF2400-8EC | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Variable Speed PTZ Controller, with Joystick</p> <p>The CKA4820 keyboard is a stand-alone control and parameterisation unit for video surveillance systems with the comfort of an LCD display for setup and a proportional, variable speed joystick for pan, tilt and zoom control. The varied interfaces and functions result in make versatile system applications possible. The unit can be used as remote keyboard for the SIMATRIX 164, 648, Neo and SYS video matrix, SISTORE AX and for controlling several PTZ or speed domes in a point-to-point or star configuration. The CKA4820 keyboard can control peripheral units according to the SCU or CCDA protocol. Parameterisation using the durable rubber keys on the keyboard is possible for peripheral units with on-screen display function. The unit features user-friendly operation, and has a compact design. The unit comes without a power supply.</p> <table border="0"> <tr> <td>Control elements</td> <td>Variable speed joystick (3 axis), 31 keys on keyboard, 10 function keys</td> </tr> <tr> <td>Display</td> <td>2-line LC display, multi-colour LED (red, orange, green)</td> </tr> <tr> <td>Serial interfaces</td> <td>1 control unit interface with two physical connections 1 telemetry interface with one physical connection</td> </tr> <tr> <td>Protocols</td> <td>Selectable using DIP switches</td> </tr> <tr> <td>Plug connections</td> <td>COM1A - RS232 (9-pin Sub-D) COM1B - TTY modified (9-pin Sub-D) COM2 - RS485/TTY modified (9-pin Sub-D) 2-pin power supply connector</td> </tr> <tr> <td>Material</td> <td>Aluminium with plastic side panels</td> </tr> <tr> <td>Colour</td> <td>Anthracite grey (RAL 7016)</td> </tr> <tr> <td>Degree of protection</td> <td>IP40</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>255 x 50 x 170 mm (excl. joystick)</td> </tr> <tr> <td>Power requirements</td> <td>12 - 13.2 V DC</td> </tr> <tr> <td>Power consumption</td> <td>2.4 W</td> </tr> <tr> <td>Weight</td> <td>1.05 kg</td> </tr> </table> | Control elements | Variable speed joystick (3 axis), 31 keys on keyboard, 10 function keys | Display | 2-line LC display, multi-colour LED (red, orange, green) | Serial interfaces | 1 control unit interface with two physical connections 1 telemetry interface with one physical connection | Protocols | Selectable using DIP switches | Plug connections | COM1A - RS232 (9-pin Sub-D) COM1B - TTY modified (9-pin Sub-D) COM2 - RS485/TTY modified (9-pin Sub-D) 2-pin power supply connector | Material | Aluminium with plastic side panels | Colour | Anthracite grey (RAL 7016) | Degree of protection | IP40 | Dimensions (W x H x D) | 255 x 50 x 170 mm (excl. joystick) | Power requirements | 12 - 13.2 V DC | Power consumption | 2.4 W | Weight | 1.05 kg | S54561-C790 |
| Control elements | Variable speed joystick (3 axis), 31 keys on keyboard, 10 function keys | | | | | | | | | | | | | | | | | | | | | | | | |
| Display | 2-line LC display, multi-colour LED (red, orange, green) | | | | | | | | | | | | | | | | | | | | | | | | |
| Serial interfaces | 1 control unit interface with two physical connections 1 telemetry interface with one physical connection | | | | | | | | | | | | | | | | | | | | | | | | |
| Protocols | Selectable using DIP switches | | | | | | | | | | | | | | | | | | | | | | | | |
| Plug connections | COM1A - RS232 (9-pin Sub-D) COM1B - TTY modified (9-pin Sub-D) COM2 - RS485/TTY modified (9-pin Sub-D) 2-pin power supply connector | | | | | | | | | | | | | | | | | | | | | | | | |
| Material | Aluminium with plastic side panels | | | | | | | | | | | | | | | | | | | | | | | | |
| Colour | Anthracite grey (RAL 7016) | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree of protection | IP40 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 255 x 50 x 170 mm (excl. joystick) | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 - 13.2 V DC | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 2.4 W | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 1.05 kg | | | | | | | | | | | | | | | | | | | | | | | | |
| VK-3  | <p>VK-3 Keyboard for Visilynx Systems V3</p> <p>The Visilynx keyboard is a high spec video control system. It has a range of features and functions, allowing full configurability for almost any installation. The on-screen menus and commands are easy to use and understand. The Visilynx keyboard gives operators the ability to select cameras and camera pre-set positions by meaningful names rather than meaningless numbers.</p> <table border="0"> <tr> <td>Power requirements</td> <td>12 V DC, 350 mA</td> </tr> <tr> <td>Weight</td> <td>4.00 kg</td> </tr> </table> | Power requirements | 12 V DC, 350 mA | Weight | 4.00 kg | S54561-C790 | | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC, 350 mA | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 4.00 kg | | | | | | | | | | | | | | | | | | | | | | | | |

Pan/Tilt and Telemetry Equipment

Pan/Tilt Heads



Type

Order No.

CDD2425



Pan/Tilt Head, Side Mount, 24 V DC

A robust, high-performance side mount DC pan/tilt unit. Allows reliable and accurate control of medium-heavy loads up to 25 kg, with thermostatic heater. Includes pre-wired cables (2.00 m long).

| | |
|------------------------|---|
| Power requirements | 24 V DC |
| Colour | Polyester powder-coated, white aluminium (RAL 9006) |
| Dimensions (W x H x D) | Side mount: 378 x 230 x 185 mm |
| Plug connections | 7-pin plug (power supply) 4-pin plug (presets) |
| Pan speed | 24 °/s |
| Tilt speed | 12 °/s |
| Load rating | 25 kg (side mount) |
| Presets | Yes |
| Degree of protection | IP67 |
| Weight | 7.00 kg |

S54561-C700

CDD2416-T



Pan/Tilt Head, Top Mount, 24 V DC

A robust, high-performance over-the-top mount DC pan/tilt unit (side mount optional). Allows reliable and accurate control of medium-heavy loads from 16 kg, with thermostatic heater. Includes pre-wired cables (2.00 m long).



| | |
|------------------------|--|
| Power requirements | 24 V DC |
| Colour | Polyester powder-coated, white aluminium (RAL 9006) |
| Dimensions (W x H x D) | Side mount: 378 x 230 x 185 mm Over the top mount: 223 x 255 x 185 mm |
| Plug connections | 7-pin plug (power supply) 4-pin plug (presets) |
| Pan speed | 48 °/s |
| Tilt speed | 24 °/s |
| Load rating | 16 kg (over the top) or 16 kg (side mount) |
| Presets | Yes |
| Degree of protection | IP67 |
| Weight | 7.00 kg |

S54561-C701

4

Pan/Tilt and Telemetry Equipment

Pan/Tilt Heads

| Type | Order No. |
|---|--|
| CDAP2416-T  | S54561-C703 |
| Pan/Tilt Head, Top Mount, 24 V AC | |
| <p>A robust, high-performance over-the-top mount AC pan/tilt unit (side mount optional). Allows reliable and accurate control of medium-heavy loads from 16 to 25 kg, with thermostatic heater and heavy-duty presets as standard. Includes pre-wired cables (2.00 m long).</p> | |
| Power requirements | 24 V AC |
| Colour | Polyester powder-coated, white aluminium (RAL 9006) |
| Dimensions (W x H x D) | Side mount: 378 x 230 x 185 mm Over the top mount: 223 x 255 x 185 mm |
| Plug connections | 7-pin plug (power supply) 4-pin plug (presets) |
| Pan speed | 6 °/s |
| Tilt speed | 3 °/s |
| Load rating | 16 kg (over the top) or 25 kg (side mount) |
| Presets | Yes |
| Degree of protection | IP67 |
| Weight | 7.00 kg |
| CDAP2316-T  | S54561-C702 |
| Pan/Tilt Head, Top Mount, 230 V AC | |
| <p>A robust, high-performance over-the-top mount AC pan/tilt unit (side mount optional). Allows reliable and accurate control of medium-heavy loads from 16 to 25 kg, with thermostatic heater and heavy-duty presets as standard. Includes pre-wired cables (2.00 m long).</p> | |
| Power requirements | 230 V AC |
| Colour | Polyester powder-coated, white aluminium (RAL 9006) |
| Dimensions (W x H x D) | Side mount: 378 x 230 x 185 mm Over the top mount: 223 x 255 x 185 mm |
| Plug connections | 7-pin plug (power supply) 4-pin plug (presets) |
| Pan speed | 6 °/s |
| Tilt speed | 3 °/s |
| Load rating | 16 kg (over the top) or 25 kg (side mount) |
| Presets | Yes |
| Degree of protection | IP67 |
| Weight | 7.00 kg |

Pan/Tilt and Telemetry Equipment

Pan/Tilt Heads



Type

Order No.

PT40 Pot

Pan/Tilt, Fixed-Speed, 20 kg, IP66, 24 V AC, Presets

2GF1708-8AS



Pan/tilt to allow the remote control of panning and tilting CCTV cameras, suitable for mounting both indoors and outdoors. Separate pan/tilt drive units with low-voltage motors and self-locking gears; adjustable pan/tilt ranges; aluminium housing with drive shafts made of high quality stainless steel and with potentiometers for position control to allow the programming of presets.

| | |
|------------------------|---------------------------|
| Pan travel | 360° continuous |
| Pan speed | 6 °/s |
| Tilt travel | ±90° |
| Tilt speed | 3 °/s |
| Load rating | 20 kg |
| Plug connections | 13-pin |
| Shell construction | Extruded aluminium body |
| Colour | Pebble grey (RAL 7032) |
| Potentiometer | 5 kOhm |
| Dimensions (W x H x D) | 140 x 211 x 336 mm |
| Degree of protection | IP66 |
| Power requirements | 24 V AC |
| Power consumption | 2 x 6.8 W |
| Weight | 6.50 kg |

4

Pan/Tilt and Telemetry Equipment

Pan/Tilt Telemetry Receivers/Drivers

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|----|--------------------|-------------------------------|------------------------|--------------------|------------------|---|---------------|--------------------------|----------------------|------|----------------------|--------------------------------|--------------------------|---------------------------------|-----------|------------------|-------------------------------|-------------------|---------|---------|--------|---------|
| CDC0501 | S24245-B5015-A1 | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Telemetry Receiver for Control Pan/Tilt Heads</p> <p>Weatherproof telemetry receiver for control pan/tilt units and motor-driven zoom lenses. 3 auxiliary contacts are available to trigger external devices. The drivers can be controlled either via a SIMATRIX SYS, Neo, 648 or 164 video matrix or from the CKA3210 and CKA4820 control keyboards directly. The control unit is designed for operating pan/tilt heads with a power supply of 230 V AC, 115 V AC or 24 V AC. Up to 99 addresses can be selected using DIP switches. 6 x M16, 2 x M20 and 1 x M26 glands are provided for cabling.</p> <table border="0"> <tr> <td>Address codes</td> <td>99</td> </tr> <tr> <td>Power requirements</td> <td>230 V AC / 115 V AC, 50/60 Hz</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>280 x 190 x 130 mm</td> </tr> <tr> <td>Auxiliary relays</td> <td>3</td> </tr> <tr> <td>Compatibility</td> <td>CKA3210/CKA4820/SIMATRIX</td> </tr> <tr> <td>Degree of protection</td> <td>IP66</td> </tr> <tr> <td>Telemetry interfaces</td> <td>TTY 20 mA, RS232, RS422, RS485</td> </tr> <tr> <td>Auxiliary contact rating</td> <td>250 V AC, 1 A 30 V DC, 2.5 A</td> </tr> <tr> <td>Baud rate</td> <td>2400 - 19200 bps</td> </tr> <tr> <td>Data outputs (camera control)</td> <td>TTL, RS422, RS485</td> </tr> <tr> <td>Weight</td> <td>2.85 kg</td> </tr> </table> | Address codes | 99 | Power requirements | 230 V AC / 115 V AC, 50/60 Hz | Dimensions (W x H x D) | 280 x 190 x 130 mm | Auxiliary relays | 3 | Compatibility | CKA3210/CKA4820/SIMATRIX | Degree of protection | IP66 | Telemetry interfaces | TTY 20 mA, RS232, RS422, RS485 | Auxiliary contact rating | 250 V AC, 1 A 30 V DC, 2.5 A | Baud rate | 2400 - 19200 bps | Data outputs (camera control) | TTL, RS422, RS485 | Weight | 2.85 kg | | |
| Address codes | 99 | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 230 V AC / 115 V AC, 50/60 Hz | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 280 x 190 x 130 mm | | | | | | | | | | | | | | | | | | | | | | | | |
| Auxiliary relays | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Compatibility | CKA3210/CKA4820/SIMATRIX | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree of protection | IP66 | | | | | | | | | | | | | | | | | | | | | | | | |
| Telemetry interfaces | TTY 20 mA, RS232, RS422, RS485 | | | | | | | | | | | | | | | | | | | | | | | | |
| Auxiliary contact rating | 250 V AC, 1 A 30 V DC, 2.5 A | | | | | | | | | | | | | | | | | | | | | | | | |
| Baud rate | 2400 - 19200 bps | | | | | | | | | | | | | | | | | | | | | | | | |
| Data outputs (camera control) | TTL, RS422, RS485 | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 2.85 kg | | | | | | | | | | | | | | | | | | | | | | | | |
| CDC0502 | S24245-B5017-A1 | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Telemetry Receiver for Control Pan/Tilt Heads, Potentiometers</p> <p>Weatherproof telemetry receiver for control pan/tilt units and motor-driven zoom lenses. The drivers can be controlled either via a SIMATRIX SYS, Neo, 648 or 164 video matrix or from the CKA3210 and CKA4820 control keyboards directly. The control unit is designed for operating pan/tilt heads with a power supply of 230 V AC, 115 V AC or 24 V AC. Up to 99 addresses can be selected using DIP switches. Also with position control for zoom/focus and pan/tilt for 64 stored preset positions. 6 x M16, 2 x M20 and 1 x M26 glands are provided for cabling.</p> <table border="0"> <tr> <td>Address codes</td> <td>99</td> </tr> <tr> <td>Power requirements</td> <td>230 V AC, 115 V AC, 50/60 Hz</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>280 x 190 x 130 mm</td> </tr> <tr> <td>Auxiliary relays</td> <td>3</td> </tr> <tr> <td>Compatibility</td> <td>CKA3210/CKA4820/SIMATRIX</td> </tr> <tr> <td>Degree of protection</td> <td>IP66</td> </tr> <tr> <td>Telemetry interfaces</td> <td>TTY 20 mA, RS232, RS422, RS485</td> </tr> <tr> <td>Auxiliary contact rating</td> <td>250 V AC, 1 A 30 V DC, 2.5 A</td> </tr> <tr> <td>Baud rate</td> <td>2400 - 19200 bps</td> </tr> <tr> <td>Data outputs (camera control)</td> <td>TTL, RS422, RS485</td> </tr> <tr> <td>Presets</td> <td>64</td> </tr> <tr> <td>Weight</td> <td>2.85 kg</td> </tr> </table> | Address codes | 99 | Power requirements | 230 V AC, 115 V AC, 50/60 Hz | Dimensions (W x H x D) | 280 x 190 x 130 mm | Auxiliary relays | 3 | Compatibility | CKA3210/CKA4820/SIMATRIX | Degree of protection | IP66 | Telemetry interfaces | TTY 20 mA, RS232, RS422, RS485 | Auxiliary contact rating | 250 V AC, 1 A 30 V DC, 2.5 A | Baud rate | 2400 - 19200 bps | Data outputs (camera control) | TTL, RS422, RS485 | Presets | 64 | Weight | 2.85 kg |
| Address codes | 99 | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 230 V AC, 115 V AC, 50/60 Hz | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 280 x 190 x 130 mm | | | | | | | | | | | | | | | | | | | | | | | | |
| Auxiliary relays | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Compatibility | CKA3210/CKA4820/SIMATRIX | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree of protection | IP66 | | | | | | | | | | | | | | | | | | | | | | | | |
| Telemetry interfaces | TTY 20 mA, RS232, RS422, RS485 | | | | | | | | | | | | | | | | | | | | | | | | |
| Auxiliary contact rating | 250 V AC, 1 A 30 V DC, 2.5 A | | | | | | | | | | | | | | | | | | | | | | | | |
| Baud rate | 2400 - 19200 bps | | | | | | | | | | | | | | | | | | | | | | | | |
| Data outputs (camera control) | TTL, RS422, RS485 | | | | | | | | | | | | | | | | | | | | | | | | |
| Presets | 64 | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 2.85 kg | | | | | | | | | | | | | | | | | | | | | | | | |

Pan/Tilt and Telemetry Equipment




Pan/Tilt Mounts



| Type | Order No. |
|--|-------------|
| <p>WMB-PT40</p> <p>Wall Mount Bracket for PT40 and CDD2410</p> <p>Medium-duty aluminium wall mount with integral swivel-tilt joint. The housing position is secured with a single allen-screw. Four fixtures holes enable stable mounting on flat surfaces. Provided complete with stainless-steel fixings to attach the housing to the mount.</p>  <p>Finish Galvanized steel, painted Colour Off-white (RAL 9002) Load rating 60 kg Arm length 226 mm Dimensions (W x H x D) 250 x 290/430 x 530 mm Weight 2.40 kg</p> | 2GF1710-8AC |
| <p>CADS1816</p> <p>Side Mount Plate</p> <p>The side mount plate can be used to convert a CDD2416-T, CDAP2416-T or CDAP2316-T over-the-top mount version to a side mount version.</p>  <p>Colour White aluminium (RAL 9006) Finish Polyester powder-coated Weight 1.00 kg</p> | S54561-B713 |
| <p>CDBS4540</p> <p>Fixed Bracket</p> <p>A medium-weight bracket for mounting medium-weight pan/tilts and/or housings with 4" PCD mounting holes to a wall or other surface.</p>  <p>Dimensions (W x H x D) 466.5 x 200 x 114 mm Colour Zinc plate, powder-coated, white aluminium (RAL 9006) Load rating 40 kg Finish Cast aluminium Weight 2.00 kg</p> | S54561-C704 |
| <p>CAHA1040</p> <p>Swivel Mount Adaptor</p> <p>A swivel mount that can be used in conjunction with a standard 4" PCD mount bracket. This adaptor allows the housing to be pointed in the required direction by means of a movable pivot and rotation.</p>  <p>Dimensions (W x H x D) 127 x 175 x 127 mm Colour Natural Load rating 40 kg Finish Stainless steel Weight 2.00 kg</p> | S54561-C609 |

Pan/Tilt and Telemetry Equipment

Pan/Tilt Mounts

| Type | Order No. | | | | | | | | |
|--|--|----------------------------|-------------|-------------|--------|--|--------|---------|--|
| <p>CADC3099</p>  | <p>S54561-C707</p> | | | | | | | | |
| <p>Column Spacer with 4\" PCD</p> <p>Column spacers can be used in a number of situations to raise or lower the height of a housing or pan/tilt.</p> <table border="0"> <tr> <td>Dimensions (Ø x H)</td> <td>127 x 304 mm</td> </tr> <tr> <td>Load rating</td> <td>Max. 100 kg</td> </tr> <tr> <td>Finish</td> <td>Mild steel</td> </tr> <tr> <td>Weight</td> <td>3.00 kg</td> </tr> </table> | Dimensions (Ø x H) | 127 x 304 mm | Load rating | Max. 100 kg | Finish | Mild steel | Weight | 3.00 kg | |
| Dimensions (Ø x H) | 127 x 304 mm | | | | | | | | |
| Load rating | Max. 100 kg | | | | | | | | |
| Finish | Mild steel | | | | | | | | |
| Weight | 3.00 kg | | | | | | | | |
| <p>CADC1599</p>  | <p>S54561-C706</p> | | | | | | | | |
| <p>Column Spacer with 4\" PCD</p> <p>Column spacers can be used in a number of situations to raise or lower the height of a housing or pan & tilt.</p> <table border="0"> <tr> <td>Dimensions (Ø x H)</td> <td>127 x 152 mm</td> </tr> <tr> <td>Load rating</td> <td>Max. 100 kg</td> </tr> <tr> <td>Finish</td> <td>Mild steel</td> </tr> <tr> <td>Weight</td> <td>2.00 kg</td> </tr> </table> | Dimensions (Ø x H) | 127 x 152 mm | Load rating | Max. 100 kg | Finish | Mild steel | Weight | 2.00 kg | |
| Dimensions (Ø x H) | 127 x 152 mm | | | | | | | | |
| Load rating | Max. 100 kg | | | | | | | | |
| Finish | Mild steel | | | | | | | | |
| Weight | 2.00 kg | | | | | | | | |
| <p>CDBC0075</p>  | <p>S54561-C710</p> | | | | | | | | |
| <p>Corner Bracket</p> <p>A corner mount adaptor which allows the fixed brackets to be mounted on the corner of buildings. The design of the adaptor spreads the load over a large area. A typical bracket which can be mounted to this adaptor is e.g. the CDBS4540. The unobtrusive and simple design allows the simple and effective installation of CCTV equipment on the corner of buildings. Corner mounting allows an excellent viewpoint to be achieved from a CCTV installation.</p> <table border="0"> <tr> <td>Colour</td> <td>White aluminium (RAL 9006)</td> </tr> <tr> <td>Load rating</td> <td>75 kg</td> </tr> <tr> <td>Finish</td> <td>Zinc plate, powder-coated, 10 SWG mild steel</td> </tr> <tr> <td>Weight</td> <td>4.50 kg</td> </tr> </table> | Colour | White aluminium (RAL 9006) | Load rating | 75 kg | Finish | Zinc plate, powder-coated, 10 SWG mild steel | Weight | 4.50 kg | |
| Colour | White aluminium (RAL 9006) | | | | | | | | |
| Load rating | 75 kg | | | | | | | | |
| Finish | Zinc plate, powder-coated, 10 SWG mild steel | | | | | | | | |
| Weight | 4.50 kg | | | | | | | | |

Pan/Tilt and Telemetry Equipment

Spare Parts Pan/Tilt and Telemetry Equipment



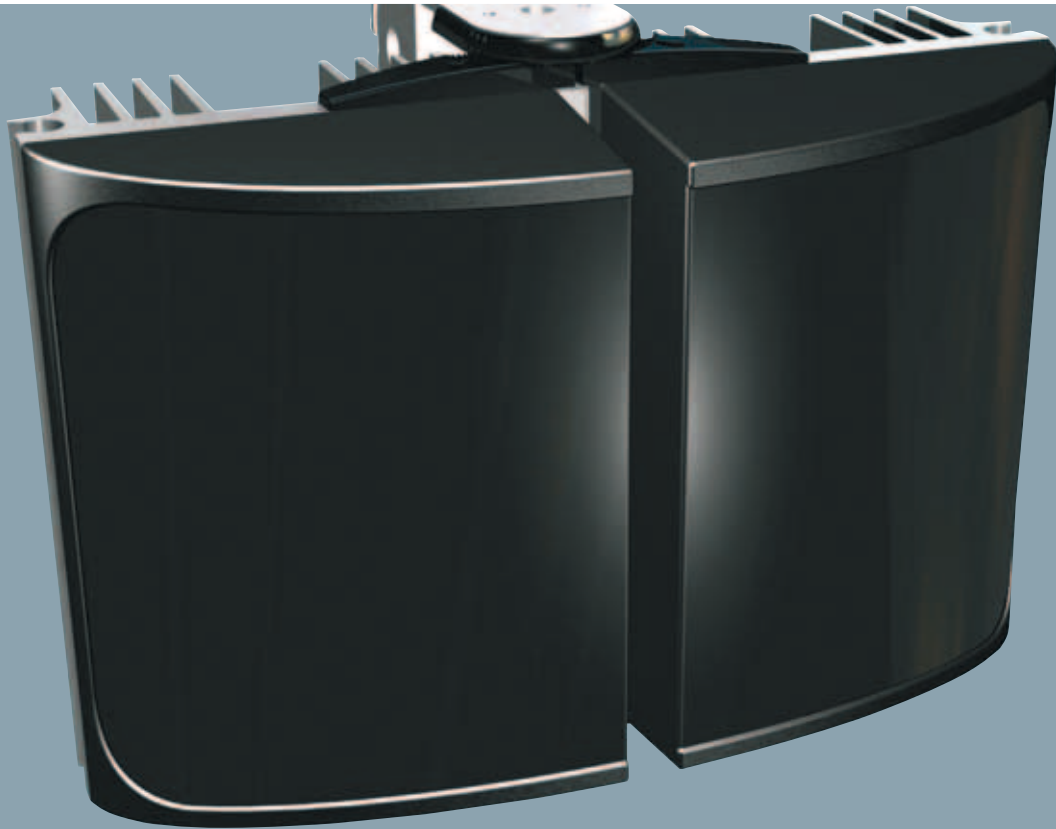
| Type | | Order No. |
|-------------|---|----------------|
| CADO0700-AC | <p>Spare AC Connector</p> <p>A spare AC connector for pan/tilts with 7 female pins (CDAP2416-T, CDAP2316-T).</p> <p>Weight 0.10 kg</p> | S54561-B711-A1 |
| CADO0700-DC | <p>Spare AC Connector for Pan/Tilt P25</p> <p>A spare DC connector for pan/tilts with 7 female pins (CDD2425, CDD2416-T).</p> <p>Weight 0.10 kg</p> | S54561-B711-A2 |
| CADO0400-PR | <p>Spare Preset Connector</p> <p>A spare preset connector for pan/tilts with 4 female pins (CDD2425, CDD2416-T, CDAP2416-T, CDAP2316-T).</p> <p>Weight 0.10 kg</p> | S54561-B712 |

Speed domes ...



...to fit any environment.

Infrared Illumination




The best way to view at night is with professional infrared illumination

Infrared illuminators are ideal for situations where local restrictions prohibit the use of visible lighting or where visible lighting attracts undesirable activity. The professional choice to allow cameras to see at night is via infrared illumination.

The new illuminator in the portfolio features Adaptive Illumination™ that allows the installer to adjust the angle of the light projection from a single unit to fit the specific demands of any installation. Plus, it works with surface mount LED technology. Compared to standard through hole LED's, surface mount LED's are a more robust solution increasing reliability and improving product life.

Illumination Infrared Lighting (LED)

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------|----------------------|------|---------------|-----------|----------|--------------------------------|--------------------------------|---------------|------------------------|--------------------------------|--|------------------------|--------------------|--|--|---------------------|-------------------|------------------------|--------|---------|--|
| CIL0050-30  | S54561-C801-A1 | | | | | | | | | | | | | | | | | | | | | | |
| IR Illuminator LED 30 - 60°, external PSU | | | | | | | | | | | | | | | | | | | | | | | |
| <p>LED IR illuminator for discreet scene illumination. The illuminator consists of two segments. The beam spread is continuously variable between 30 - 60°. Latest surface mount LED technology ensures an optimum illumination and guarantees a long service life.</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td>Beam spread</td> <td>30 - 60°</td> </tr> <tr> <td>Degree of protection</td> <td>IP66</td> </tr> <tr> <td>Useable range</td> <td>Max. 70 m</td> </tr> <tr> <td>Material</td> <td>Stainless steel, acrylic glass</td> </tr> <tr> <td>Ambient temperature, operating</td> <td>-20 to +50 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>Illuminator: 210 x 150 x 65 mm</td> </tr> <tr> <td></td> <td>PSU: 160 x 160 x 90 mm</td> </tr> <tr> <td>Power requirements</td> <td>Illuminator: 13.5 V current controlled</td> </tr> <tr> <td></td> <td>PSU: 100 - 230 V AC</td> </tr> <tr> <td>Power consumption</td> <td>Illuminator, PSU: 50 W</td> </tr> <tr> <td>Weight</td> <td>2.50 kg</td> </tr> </table> | Beam spread | 30 - 60° | Degree of protection | IP66 | Useable range | Max. 70 m | Material | Stainless steel, acrylic glass | Ambient temperature, operating | -20 to +50 °C | Dimensions (W x H x D) | Illuminator: 210 x 150 x 65 mm | | PSU: 160 x 160 x 90 mm | Power requirements | Illuminator: 13.5 V current controlled | | PSU: 100 - 230 V AC | Power consumption | Illuminator, PSU: 50 W | Weight | 2.50 kg | |
| Beam spread | 30 - 60° | | | | | | | | | | | | | | | | | | | | | | |
| Degree of protection | IP66 | | | | | | | | | | | | | | | | | | | | | | |
| Useable range | Max. 70 m | | | | | | | | | | | | | | | | | | | | | | |
| Material | Stainless steel, acrylic glass | | | | | | | | | | | | | | | | | | | | | | |
| Ambient temperature, operating | -20 to +50 °C | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | Illuminator: 210 x 150 x 65 mm | | | | | | | | | | | | | | | | | | | | | | |
| | PSU: 160 x 160 x 90 mm | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | Illuminator: 13.5 V current controlled | | | | | | | | | | | | | | | | | | | | | | |
| | PSU: 100 - 230 V AC | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | Illuminator, PSU: 50 W | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 2.50 kg | | | | | | | | | | | | | | | | | | | | | | |

Flameproof Products



Pan/tilt heads and camera housings for potentially explosive environments

The Phoenix™ range of explosion-proof equipment is typically used for surveillance in petrochemical, industrial, aerospace, or offshore industries, and generally on sites where there is a risk of explosion due to volatile gases or vapours.


Special ordering process: The equipment is delivered including a camera of your choice completely ready for use, certified to meet the rigorous and exacting European ATEX Directive 94/9/EC.

Phoenix products are available with a range of built-in telemetry receiver options.

- For use in hazardous environments: oil rigs, petrochemical plants etc.
- Each unit is individually pressure-tested
- Options for gas Group IIB and IIC explosive gas environment
- Housings available with heater, sunshield or wipers

Explosion-Proof Housings and Mounts


Explosion-Proof Housings

| Type | Order No. | | | | | | | | | | | | |
|--|--|--|---------------------------|---|------------------------|---|------------------------------|---------------|----------------|------------------------|----------------------|------|---------|
| <p>FH07C..</p> <p>Phoenix™ Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIC Applications</p>  <p>The "Phoenix Explosion-Proof" equipment is ATEX-certified to be used in potentially hazardous areas where there is a risk of explosion because flammable gases, vapours, mists or dusts may be present. The housing is designed to prevent explosion by containing any heat, sparks, or flames generated. This prevents ignition of potentially explosive atmospheres or materials outside the equipment. The housing is ATEX-certified for use in IIC gas environments (includes hydrogen and acetylene). The housing is supplied complete with heater & sunshield. The housing can be factory-fitted with a wiper.</p> <p>Siemens will deliver this housing only as a factory pre-built version with Siemens or customer-supplied camera and lens. Therefore one of the Phoenix-FIT options must be ordered.</p> <p>Please note, that Siemens cannot supply ATEX IIC equipment certificates unless one of the Phoenix-CERT options is ordered with each housing.</p> <table border="0"> <tr> <td>Approval</td> <td>Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD (EExd IIC T6)</td> </tr> <tr> <td>Cable entry</td> <td>Internal terminal block, 4 x M20 for certified glands</td> </tr> <tr> <td>Finish</td> <td>Housing body: extruded aluminium End caps and sunshield: aluminium</td> </tr> <tr> <td>Ambient temperature, storage</td> <td>-20 to +40 °C</td> </tr> <tr> <td>Heater rating</td> <td>Nominal 7 W, max. 25 W</td> </tr> <tr> <td>Degree of protection</td> <td>IP67</td> </tr> </table> | Approval | Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD (EExd IIC T6) | Cable entry | Internal terminal block, 4 x M20 for certified glands | Finish | Housing body: extruded aluminium End caps and sunshield: aluminium | Ambient temperature, storage | -20 to +40 °C | Heater rating | Nominal 7 W, max. 25 W | Degree of protection | IP67 | FH07C.. |
| Approval | Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD (EExd IIC T6) | | | | | | | | | | | | |
| Cable entry | Internal terminal block, 4 x M20 for certified glands | | | | | | | | | | | | |
| Finish | Housing body: extruded aluminium End caps and sunshield: aluminium | | | | | | | | | | | | |
| Ambient temperature, storage | -20 to +40 °C | | | | | | | | | | | | |
| Heater rating | Nominal 7 W, max. 25 W | | | | | | | | | | | | |
| Degree of protection | IP67 | | | | | | | | | | | | |
| <p>FH07C-30</p> <p>Phoenix Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIC Applications</p> <p>As FH07C.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>230 V AC</td> </tr> <tr> <td>Usable volume (W x H x D)</td> <td>114 x 94 x 290 mm</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>209 x 186 x 545 mm</td> </tr> <tr> <td>Weight</td> <td>10.00 kg</td> </tr> </table> | Power requirements | 230 V AC | Usable volume (W x H x D) | 114 x 94 x 290 mm | Dimensions (W x H x D) | 209 x 186 x 545 mm | Weight | 10.00 kg | S54561-C903-A1 | | | | |
| Power requirements | 230 V AC | | | | | | | | | | | | |
| Usable volume (W x H x D) | 114 x 94 x 290 mm | | | | | | | | | | | | |
| Dimensions (W x H x D) | 209 x 186 x 545 mm | | | | | | | | | | | | |
| Weight | 10.00 kg | | | | | | | | | | | | |
| <p>FH07C-30/L</p> <p>Phoenix Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIC Applications</p> <p>As FH07C.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>24 V AC</td> </tr> <tr> <td>Usable volume (W x H x D)</td> <td>114 x 94 x 290 mm</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>209 x 186 x 545 mm</td> </tr> <tr> <td>Weight</td> <td>10.00 kg</td> </tr> </table> | Power requirements | 24 V AC | Usable volume (W x H x D) | 114 x 94 x 290 mm | Dimensions (W x H x D) | 209 x 186 x 545 mm | Weight | 10.00 kg | S54561-C903-A3 | | | | |
| Power requirements | 24 V AC | | | | | | | | | | | | |
| Usable volume (W x H x D) | 114 x 94 x 290 mm | | | | | | | | | | | | |
| Dimensions (W x H x D) | 209 x 186 x 545 mm | | | | | | | | | | | | |
| Weight | 10.00 kg | | | | | | | | | | | | |
| <p>FH07C-30/U</p> <p>Phoenix Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIC Applications</p> <p>As FH07C.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>110 V AC</td> </tr> <tr> <td>Usable volume (W x H x D)</td> <td>114 x 94 x 290 mm</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>209 x 186 x 545 mm</td> </tr> <tr> <td>Weight</td> <td>10.00 kg</td> </tr> </table> | Power requirements | 110 V AC | Usable volume (W x H x D) | 114 x 94 x 290 mm | Dimensions (W x H x D) | 209 x 186 x 545 mm | Weight | 10.00 kg | S54561-C903-A2 | | | | |
| Power requirements | 110 V AC | | | | | | | | | | | | |
| Usable volume (W x H x D) | 114 x 94 x 290 mm | | | | | | | | | | | | |
| Dimensions (W x H x D) | 209 x 186 x 545 mm | | | | | | | | | | | | |
| Weight | 10.00 kg | | | | | | | | | | | | |

Explosion-Proof Housings and Mounts

Explosion-Proof Housings



| Type | Order No. | | | | | | | | | | | | |
|--|--|--|---------------------------|---|------------------------|---|------------------------------|---------------|----------------|------------------------|----------------------|------|---------|
| <p>FH07C-40 Phoenix Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIC Applications</p> <p>As FH07C.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>230 V AC</td> </tr> <tr> <td>Usable volume (W x H x D)</td> <td>114 x 94 x 420 mm</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>209 x 186 x 675 mm</td> </tr> <tr> <td>Weight</td> <td>11.80 kg</td> </tr> </table> | Power requirements | 230 V AC | Usable volume (W x H x D) | 114 x 94 x 420 mm | Dimensions (W x H x D) | 209 x 186 x 675 mm | Weight | 11.80 kg | S54561-C902-A1 | | | | |
| Power requirements | 230 V AC | | | | | | | | | | | | |
| Usable volume (W x H x D) | 114 x 94 x 420 mm | | | | | | | | | | | | |
| Dimensions (W x H x D) | 209 x 186 x 675 mm | | | | | | | | | | | | |
| Weight | 11.80 kg | | | | | | | | | | | | |
| <p>FH07C-40/L Phoenix Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIC Applications</p> <p>As FH07C.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>24 V AC</td> </tr> <tr> <td>Usable volume (W x H x D)</td> <td>114 x 94 x 420 mm</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>209 x 186 x 675 mm</td> </tr> <tr> <td>Weight</td> <td>11.80 kg</td> </tr> </table> | Power requirements | 24 V AC | Usable volume (W x H x D) | 114 x 94 x 420 mm | Dimensions (W x H x D) | 209 x 186 x 675 mm | Weight | 11.80 kg | S54561-C902-A3 | | | | |
| Power requirements | 24 V AC | | | | | | | | | | | | |
| Usable volume (W x H x D) | 114 x 94 x 420 mm | | | | | | | | | | | | |
| Dimensions (W x H x D) | 209 x 186 x 675 mm | | | | | | | | | | | | |
| Weight | 11.80 kg | | | | | | | | | | | | |
| <p>FH07C-40/U Phoenix Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIC Applications</p> <p>As FH07C.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>110 V AC</td> </tr> <tr> <td>Usable volume (W x H x D)</td> <td>114 x 94 x 420 mm</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>209 x 186 x 675 mm</td> </tr> <tr> <td>Weight</td> <td>11.80 kg</td> </tr> </table> | Power requirements | 110 V AC | Usable volume (W x H x D) | 114 x 94 x 420 mm | Dimensions (W x H x D) | 209 x 186 x 675 mm | Weight | 11.80 kg | S54561-C902-A2 | | | | |
| Power requirements | 110 V AC | | | | | | | | | | | | |
| Usable volume (W x H x D) | 114 x 94 x 420 mm | | | | | | | | | | | | |
| Dimensions (W x H x D) | 209 x 186 x 675 mm | | | | | | | | | | | | |
| Weight | 11.80 kg | | | | | | | | | | | | |
| <p>FH07B.. Phoenix Explosion-Proof Extruded Aluminium Camera Housings, ATEX-Certified for IIB Applications</p>  <p>The "Phoenix Explosion-Proof" equipment is ATEX-certified to be used in potentially hazardous areas where there is a risk of explosion because flammable gases, vapours, mists or dusts may be present. The housing is designed to prevent explosion by containing any heat, sparks, or flames generated. This prevents ignition of potentially explosive atmospheres or materials outside the equipment. The housing is ATEX-certified for use in IIB gas environments (includes ethylene and propane). The housing is supplied complete with heater & sunshield. The housing can be factory-fitted with a wiper.</p> <p>Siemens can deliver this housing as a factory pre-built version with Siemens or customer-supplied camera and lens. Therefore one of the Phoenix-FIT options must be ordered.</p> <p>Please note, that Siemens cannot supply ATEX IIB equipment certificates unless one of the Phoenix-CERT option is ordered with each housing.</p> <table border="0"> <tr> <td>Approval</td> <td>Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD (EExd IIB T6)</td> </tr> <tr> <td>Cable entry</td> <td>Internal terminal block, 4 x M20 for certified glands</td> </tr> <tr> <td>Finish</td> <td>Housing body: extruded aluminium End caps and sunshield: aluminium</td> </tr> <tr> <td>Ambient temperature, storage</td> <td>-20 to +40 °C</td> </tr> <tr> <td>Heater rating</td> <td>Nominal 7 W, max. 25 W</td> </tr> <tr> <td>Degree of protection</td> <td>IP67</td> </tr> </table> | Approval | Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD (EExd IIB T6) | Cable entry | Internal terminal block, 4 x M20 for certified glands | Finish | Housing body: extruded aluminium End caps and sunshield: aluminium | Ambient temperature, storage | -20 to +40 °C | Heater rating | Nominal 7 W, max. 25 W | Degree of protection | IP67 | FH07B.. |
| Approval | Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD (EExd IIB T6) | | | | | | | | | | | | |
| Cable entry | Internal terminal block, 4 x M20 for certified glands | | | | | | | | | | | | |
| Finish | Housing body: extruded aluminium End caps and sunshield: aluminium | | | | | | | | | | | | |
| Ambient temperature, storage | -20 to +40 °C | | | | | | | | | | | | |
| Heater rating | Nominal 7 W, max. 25 W | | | | | | | | | | | | |
| Degree of protection | IP67 | | | | | | | | | | | | |

Explosion-Proof Housings and Mounts

Explosion-Proof Housings

| Type | | Order No. |
|-------------------|---|-----------------------|
| FH07B-30 | <p>230 V AC ATEX IIB Explosion-Proof Housing</p> <p>As FH07B.. for technical details, but with the following differences:</p> <p>Power requirements</p> <p>Usable volume (W x H x D) 114 x 94 x 290 mm</p> <p>Dimensions (W x H x D) 209 x 186 x 675 mm</p> <p>Weight 10.00 kg</p> | S54561-C901-A1 |
| FH07B-30/L | <p>24 V AC ATEX IIB Explosion-Proof Housing</p> <p>As FH07B.. for technical details, but with the following differences:</p> <p>Power requirements 24 V AC</p> <p>Usable volume (W x H x D) 114 x 94 x 290 mm</p> <p>Dimensions (W x H x D) 209 x 186 x 545 mm</p> <p>Weight 10.00 kg</p> | S54561-C901-A3 |
| FH07B-30/U | <p>110 V AC ATEX IIB Explosion-Proof Housing</p> <p>As FH07B.. for technical details, but with the following differences:</p> <p>Power requirements 110 V AC</p> <p>Usable volume (W x H x D) 114 x 94 x 290 mm</p> <p>Dimensions (W x H x D) 209 x 186 x 545 mm</p> <p>Weight 10.00 kg</p> | S54561-C901-A2 |
| FH07B-40 | <p>230 V AC ATEX IIB Explosion-Proof Housing</p> <p>As FH07B.. for technical details, but with the following differences:</p> <p>Power requirements 230 V AC</p> <p>Usable volume (W x H x D) 114 x 94 x 420 mm</p> <p>Dimensions (W x H x D) 209 x 186 x 675 mm</p> <p>Weight 11.80 kg</p> | S54561-C900-A1 |
| FH07B-40/L | <p>24 V AC ATEX IIB Explosion-Proof Housing</p> <p>As FH07B.. for technical details, but with the following differences:</p> <p>Power requirements 24 V AC</p> <p>Usable volume (W x H x D) 114 x 94 x 420 mm</p> <p>Dimensions (W x H x D) 209 x 186 x 675 mm</p> <p>Weight 11.80 kg</p> | S54561-C900-A3 |
| FH07B-40/U | <p>110 V AC ATEX IIB Explosion-Proof Housing</p> <p>As FH07B.. for technical details, but with the following differences:</p> <p>Power requirements 110 V AC</p> <p>Usable volume (W x H x D) 114 x 94 x 420 mm</p> <p>Dimensions (W x H x D) 209 x 186 x 675 mm</p> <p>Weight 11.80 kg</p> | S54561-C900-A2 |

Explosion-Proof Housings and Mounts

Explosion-Proof Pan/Tilt Units



Type

Order No.

FP50B..

Phoenix Explosion-Proof Heavy Duty Aluminium Pan/Tilt Units ATEX-Certified for IIB Applications



The "Phoenix Explosion-Proof" equipment is ATEX-certified to be used in potentially hazardous areas where there is a risk of explosion because flammable gases, vapours, mists or dusts may be present. The unit is designed to prevent explosion by containing any heat, sparks, or flames generated. This prevents ignition of potentially explosive atmospheres or materials outside the equipment. The unit is ATEX-certified for use in IIB gas environments (includes ethylene and propane). The pan/tilt units are fitted with potentiometers, and 230, 110 and 24 V AC versions are available.

Please note, that Siemens will supply ATEX IIB equipment certificates with each Phoenix PTZ. It is not necessary to order the Phoenix-CERT option with the PTZ.

| | |
|------------------------|--|
| Approval | Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD (EExd IIB T6) |
| Dimensions (W x H x D) | 167 x 291 x 471 mm |
| Colour | Body: polyester powder-coated, rape yellow (RAL 1021) Endplates: clear anodized |
| Cable entry | Internal terminal block, 1 x M20 for certified gland |
| Pan speed | 4.5 °/s Torque: 45 Nm Backlash: max. ±0.15° |
| Tilt speed | 4.5 °/s Torque: 45 Nm Backlash: max. ±0.15° |
| Pan travel | Max. 346° |
| Tilt travel | ±172° |
| Finish | Aluminium |
| Load rating | 40 kg |
| Degree of protection | IP67 |
| Weight | 19.00 kg |

FP50B..

FP50B

Phoenix Explosion-Proof Heavy Duty Aluminium Pan/Tilt Units ATEX-Certified for IIB Applications

As FP50B.. for technical details, but with the following differences:

| | |
|--------------------|--------------------|
| Power requirements | 230 V AC, 50/60 Hz |
| Power consumption | 30 W |

S54561-C910-A1

FP50B/L

Phoenix Explosion-Proof Heavy Duty Aluminium Pan/Tilt Units ATEX-Certified for IIB Applications

As FP50B.. for technical details, but with the following differences:

| | |
|--------------------|-------------------|
| Power requirements | 24 V AC, 50/60 Hz |
| Power consumption | 31 W |

S54561-C910-A3

FP50B/U

Phoenix Explosion-Proof Heavy Duty Aluminium Pan/Tilt Units ATEX-Certified for IIB Applications


As FP50B.. for technical details, but with the following differences:

| | |
|--------------------|--------------------|
| Power requirements | 110 V AC, 50/60 Hz |
| Power consumption | 33 W |

S54561-C910-A2

Explosion-Proof Housings and Mounts

Explosion-Proof Pan/Tilt Units

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------------|------------------------|--|--------|---|-------------|---|-----------|---|------------|---|------------|-----------|-------------|-------|--------|--|-------------|-------|---------|----------|----------------------|------|--------|------------------------------------|--------|
| <p>FPHC..</p>  <p>Phoenix Explosion-Proof Aluminium Camera Housing and PTZ Head Assemblies ATEX-Certified for IIC Applications</p> <p>The "Phoenix Explosion-Proof" equipment is ATEX-certified to be used in potentially hazardous areas where there is a risk of explosion because flammable gases, vapours, mists or dusts may be present. The camera head, which comprises both a housing and pre-set pan/tilt head, is designed to prevent explosion by containing any heat, sparks, or flames generated by equipment inside it. This prevents ignition of potentially explosive atmospheres or materials outside the equipment. The camera head is ATEX-certified for use in IIC gas environments (includes hydrogen and acetylene). The housing is supplied complete with heater & sunshield. The housing can be factory-fitted with a wiper.</p> <p>Siemens will deliver this housing and PTZ head only as a factory pre-built version with Siemens or customer-supplied camera and lens. Therefore one of the Phoenix-FIT options must be ordered. Please note, that Siemens cannot supply ATEX IIC Equipment certificates unless one of the Phoenix-CERT option is ordered with each housing. Glands are supplied for both ends of P&T lead. Suitable ATEX-approved cable glands for all other cables must be purchased separately (FH07C-CG).</p> <table border="0"> <tr> <td>Ambient temperature, storage</td> <td>-20 to +40 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>Housing: 209 x 186 x 675 mm P&T: 167 x 291 x 471 mm</td> </tr> <tr> <td>Colour</td> <td>Body: polyester powder-coated, rape yellow (RAL 1021) Endplates: clear anodized Sunshield: polyester powder-coated, white</td> </tr> <tr> <td>Cable entry</td> <td>Internal terminal block, 4 x M20 for certified glands, fitted with BASEEFA certified blanking plugs</td> </tr> <tr> <td>Pan speed</td> <td>4.5 °/s Torque: 45 Nm Backlash: max. ±0.15°</td> </tr> <tr> <td>Tilt speed</td> <td>4.5 °/s Torque: 45 Nm Backlash: max. ±0.15°</td> </tr> <tr> <td>Pan travel</td> <td>Max. 346°</td> </tr> <tr> <td>Tilt travel</td> <td>±172°</td> </tr> <tr> <td>Finish</td> <td>Housing body: extruded aluminium P&T body, all end caps and housing sunshield: aluminium</td> </tr> <tr> <td>Load rating</td> <td>40 kg</td> </tr> <tr> <td>Presets</td> <td>Standard</td> </tr> <tr> <td>Degree of protection</td> <td>IP67</td> </tr> <tr> <td>Weight</td> <td>Housing: 11.80 kg P&T: 19.00 kg</td> </tr> </table> | Ambient temperature, storage | -20 to +40 °C | Dimensions (W x H x D) | Housing: 209 x 186 x 675 mm P&T: 167 x 291 x 471 mm | Colour | Body: polyester powder-coated, rape yellow (RAL 1021) Endplates: clear anodized Sunshield: polyester powder-coated, white | Cable entry | Internal terminal block, 4 x M20 for certified glands, fitted with BASEEFA certified blanking plugs | Pan speed | 4.5 °/s Torque: 45 Nm Backlash: max. ±0.15° | Tilt speed | 4.5 °/s Torque: 45 Nm Backlash: max. ±0.15° | Pan travel | Max. 346° | Tilt travel | ±172° | Finish | Housing body: extruded aluminium P&T body, all end caps and housing sunshield: aluminium | Load rating | 40 kg | Presets | Standard | Degree of protection | IP67 | Weight | Housing: 11.80 kg P&T: 19.00 kg | FPHC.. |
| Ambient temperature, storage | -20 to +40 °C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | Housing: 209 x 186 x 675 mm P&T: 167 x 291 x 471 mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colour | Body: polyester powder-coated, rape yellow (RAL 1021) Endplates: clear anodized Sunshield: polyester powder-coated, white | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cable entry | Internal terminal block, 4 x M20 for certified glands, fitted with BASEEFA certified blanking plugs | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pan speed | 4.5 °/s Torque: 45 Nm Backlash: max. ±0.15° | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tilt speed | 4.5 °/s Torque: 45 Nm Backlash: max. ±0.15° | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pan travel | Max. 346° | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tilt travel | ±172° | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Finish | Housing body: extruded aluminium P&T body, all end caps and housing sunshield: aluminium | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Load rating | 40 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presets | Standard | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree of protection | IP67 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | Housing: 11.80 kg P&T: 19.00 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FPHC-40 | <p>Phoenix Explosion-Proof Aluminium Camera Housing and PTZ Head Assemblies ATEX-Certified for IIC Applications</p> <p>As FPHC.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Power requirements</td> <td>230 V AC</td> </tr> <tr> <td>Power consumption</td> <td>51 W</td> </tr> </table> | Power requirements | 230 V AC | Power consumption | 51 W | S54561-C920-A1 | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 230 V AC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 51 W | | | | | | | | | | | | | | | | | | | | | | | | | | |

Explosion-Proof Housings and Mounts

Explosion-Proof Pan/Tilt Units



| Type | | Order No. | | | | |
|--------------------|---|--------------------|----------|-------------------|------|----------------|
| FPHC-40/L | <p>Phoenix Explosion-Proof Aluminium Camera Housing and PTZ Head Assemblies ATEX-Certified for IIC Applications</p> <p>As FPHC.. for technical details, but with the following differences:</p> <table><tr><td>Power requirements</td><td>24 V AC</td></tr><tr><td>Power consumption</td><td>52 W</td></tr></table> | Power requirements | 24 V AC | Power consumption | 52 W | S54561-C920-A3 |
| Power requirements | 24 V AC | | | | | |
| Power consumption | 52 W | | | | | |
| FPHC-40/U | <p>Phoenix Explosion-Proof Aluminium Camera Housing and PTZ Head Assemblies ATEX-Certified for IIC Applications</p> <p>As FPHC.. for technical details, but with the following differences:</p> <table><tr><td>Power requirements</td><td>110 V AC</td></tr><tr><td>Power consumption</td><td>54 W</td></tr></table> | Power requirements | 110 V AC | Power consumption | 54 W | S54561-C920-A2 |
| Power requirements | 110 V AC | | | | | |
| Power consumption | 54 W | | | | | |

Explosion-Proof Housings and Mounts

Accessories Mounts

| Type | | Order No. |
|------------------------|---|-----------------|
| FH07W | <p>FH07W Wiper Kit for FH07 Housing – 230 V AC Motor</p> <p>Wiper components for the FH07 Phoenix explosion-proof camera housings. These are factory-fit parts that can be used on the ATEX IIB and IIC housings.</p> <p>Power consumption 4.6 W Power requirements 230 V AC 50/60 Hz Weight 0.65 kg</p> | S54561-B950-A1 |
| FH07W/L | <p>FH07W/L Wiper Kit for FH07 Housing – 24 V AC Motor</p> <p>Wiper components for the FH07 Phoenix explosion-proof camera housings. These are factory-fit parts that can be used on the ATEX IIB and IIC housings.</p> <p>Power consumption 4.8 W Power requirements 24 V AC, 50/60 Hz Weight 0.65 kg</p> | S54561-B950-A3 |
| FH07W/U | <p>FH07W/U Wiper Kit for FH07 Housing – 110 V AC Motor</p> <p>Wiper components for the FH07 Phoenix explosion-proof camera housings. These are factory-fit parts that can be used on the ATEX IIB and IIC housings.</p> <p>Power consumption 4.4 W Power requirements 110 V AC, 50/60 Hz Weight 0.65 kg</p> | S54561-B950-A2 |
| Phoenix-CERT.. | <p>Factory Fit Camera & Lens including ATEX Equipment Certification</p> <p>Siemens cannot supply ATEX IIB or IIC equipment certificates unless the Phoenix-CERT option is ordered with each housing.</p> | Phoenix-CERT.. |
| Phoenix-CERT-Siemens | <p>Factory Fit Siemens Camera & Lens including ATEX Equipment Certification</p> <p>This option should be ordered if Siemens products will be used in the Phoenix housings. This option shall be ordered for each housing.</p> | S24245-C4090-A3 |
| Phoenix-CERT-3rd Party | <p>Factory Fit 3rd Party Camera & Lens including ATEX Equipment Certification</p> <p>This option should be ordered if 3rd party products will be used in the Phoenix housings. This option shall be ordered for each housing.</p> | S24245-C4090-A4 |
| Phoenix-FIT.. | <p>Fitting Fee, issued for each additional Component to be installed</p> <p>The Phoenix-FIT-option must be ordered for each additional part which should be installed in the housing: i.e. power supply, 2 wire transmitter (this is not considered for FH07 Wiper).</p> | Phoenix-FIT.. |
| Phoenix-FIT-Siemens | <p>Fitting Fee, issued for each additional Siemens Component to be installed</p> <p>This option should be ordered if Siemens products will be used in the Phoenix housings. This option shall be ordered for each component.</p> | S24245-C4090-A5 |

Explosion-Proof Housings and Mounts Accessories Mounts



| Type | Order No. |
|---|-----------------|
| <p>Phoenix-FIT-3rd Party Fitting Fee, issued for each additional 3rd Party Component to be installed</p> <p>This option should be ordered if 3rd Party products will be used in the Phoenix housings. This option shall be ordered for each component.</p> | S24245-C4090-A6 |
| <p>FH07C-CG Cable Gland ATEX IIC for FH07C</p> <p>Compound filled barrier gland for unarmored cable for FH07CG housings.</p> <p>Approval Certification to European ATEX Directive 94/9/EC. Ex ii 2 GD</p> | BPZ:80-315 |
| <p>CAHL401x-W Spare Wiper Arm</p> <p>Spare wiper arm assembly for a CAHL4010-WK and CAHL4011-WK wiper kit. Wiper kits are available as an accessory for CHSL4010 and CHSL4011 camera housings.</p> <p>Weight 0.10 kg</p> | S54561-B604 |

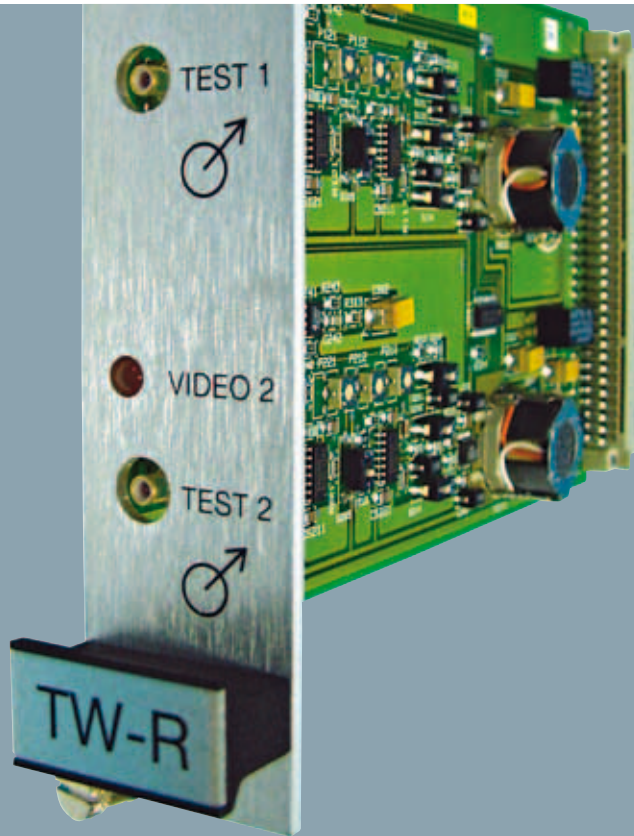


Phoenix™ explosion-proof
equipment ...



... on sites where there is
a risk of explosion.

Video Transmission



When distance is a problem, transmitting the video is the only solution ...

Twisted pair transmission is suitable for short range distances up to 1500 m – this offers a point-to-point connection.




The SISTORE CX range of Ethernet transmission is suitable for unlimited distances. Network transmission offers the possibility for anyone on the network to view the images. SISTORE CX information can be found in the section “Digital Recording”.

Video Transmission Twisted Pair/Coax

| Type | Order No. | | | | | | | | | | | | | | |
|---|--|------------------------|--|---------------|---|------------------------|---|------------------------|-----------------|--------------------|----------------|-------------------|---------|--------|---------|
| CTTT0111 | 2GF1714-8WN | | | | | | | | | | | | | | |
|  | <p>Twisted Pair Transmitter Module</p> <p>Twisted pair transmitter module for installation in the CHM/CHH, ECH-M/ECH-B, CHxx, CHSM2510, CHSL2610 camera protective housings and P/T telemetry receivers CDC0501/CDC0502.</p> <table border="0"> <tr> <td>Overvoltage protection</td> <td>Twisted pair with gas discharge protection</td> </tr> <tr> <td>Video outputs</td> <td>Two-wire: 2 V_{pp} (130 Ohm), symmetric, screw terminal</td> </tr> <tr> <td>Range</td> <td>Max. 1.20 km twisted pair depending on TP receiver type</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>50 x 15 x 65 mm</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC, 45 mA</td> </tr> <tr> <td>Weight</td> <td>0.02 kg</td> </tr> </table> | Overvoltage protection | Twisted pair with gas discharge protection | Video outputs | Two-wire: 2 V _{pp} (130 Ohm), symmetric, screw terminal | Range | Max. 1.20 km twisted pair depending on TP receiver type | Dimensions (W x H x D) | 50 x 15 x 65 mm | Power requirements | 12 V DC, 45 mA | Weight | 0.02 kg | | |
| Overvoltage protection | Twisted pair with gas discharge protection | | | | | | | | | | | | | | |
| Video outputs | Two-wire: 2 V _{pp} (130 Ohm), symmetric, screw terminal | | | | | | | | | | | | | | |
| Range | Max. 1.20 km twisted pair depending on TP receiver type | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 50 x 15 x 65 mm | | | | | | | | | | | | | | |
| Power requirements | 12 V DC, 45 mA | | | | | | | | | | | | | | |
| Weight | 0.02 kg | | | | | | | | | | | | | | |
| TP-RX11 | 2GF5605-8BB | | | | | | | | | | | | | | |
|  | <p>Indoor Twisted Pair Video Receiver</p> <p>Reception of one twisted pair video signal in indoor applications. Can be used with the indoor twisted pair transmitter TP-TX11, with a range of up to 600 m. Compact design, plastic housing with screw terminals and dip-switch setup. Simple installation: in standard distribution boxes and cabinets, can be snapped onto EN rails. Fast, easy adjustment of the transmission line using DIP switches, no additional measuring instruments required.</p> <table border="0"> <tr> <td>Video inputs</td> <td>Two-wire: 2 V_{pp} (130 Ohm), symmetric, screw terminal</td> </tr> <tr> <td>Video outputs</td> <td>Composite: 1 V_{pp}, (75 Ohm), asymmetric, screw terminal</td> </tr> <tr> <td>Range</td> <td>Max. 600 m (indoor only)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>80 x 20 x 70 mm</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC</td> </tr> <tr> <td>Power consumption</td> <td>0.75 W</td> </tr> <tr> <td>Weight</td> <td>0.20 kg</td> </tr> </table> | Video inputs | Two-wire: 2 V _{pp} (130 Ohm), symmetric, screw terminal | Video outputs | Composite: 1 V _{pp} , (75 Ohm), asymmetric, screw terminal | Range | Max. 600 m (indoor only) | Dimensions (W x H x D) | 80 x 20 x 70 mm | Power requirements | 12 V DC | Power consumption | 0.75 W | Weight | 0.20 kg |
| Video inputs | Two-wire: 2 V _{pp} (130 Ohm), symmetric, screw terminal | | | | | | | | | | | | | | |
| Video outputs | Composite: 1 V _{pp} , (75 Ohm), asymmetric, screw terminal | | | | | | | | | | | | | | |
| Range | Max. 600 m (indoor only) | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 80 x 20 x 70 mm | | | | | | | | | | | | | | |
| Power requirements | 12 V DC | | | | | | | | | | | | | | |
| Power consumption | 0.75 W | | | | | | | | | | | | | | |
| Weight | 0.20 kg | | | | | | | | | | | | | | |
| TP-CH | 2GF5608-8BA | | | | | | | | | | | | | | |
|  | <p>Twisted Pair 19" 3U Chassis for 10 Modules PSU</p> <p>Use of the 19" chassis is recommended when using the transmission system indoors or if several modules are located at one point. A maximum of 10 modules and the included power supply unit can be fitted. Each module is provided with the associated front panel, and two guide rails are used in the chassis for each module.</p> <table border="0"> <tr> <td>Video inputs</td> <td>Asymmetric: SMB plug, Symmetric: terminal strip</td> </tr> <tr> <td>Video outputs</td> <td>Asymmetric: SMB plug, Symmetric: terminal strip</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>482 x 133 x 250 mm</td> </tr> <tr> <td>Power requirements</td> <td>90 to 240 V AC</td> </tr> <tr> <td>Power consumption</td> <td>40 W</td> </tr> <tr> <td>Weight</td> <td>4.20 kg</td> </tr> </table> | Video inputs | Asymmetric: SMB plug, Symmetric: terminal strip | Video outputs | Asymmetric: SMB plug, Symmetric: terminal strip | Dimensions (W x H x D) | 482 x 133 x 250 mm | Power requirements | 90 to 240 V AC | Power consumption | 40 W | Weight | 4.20 kg | | |
| Video inputs | Asymmetric: SMB plug, Symmetric: terminal strip | | | | | | | | | | | | | | |
| Video outputs | Asymmetric: SMB plug, Symmetric: terminal strip | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 482 x 133 x 250 mm | | | | | | | | | | | | | | |
| Power requirements | 90 to 240 V AC | | | | | | | | | | | | | | |
| Power consumption | 40 W | | | | | | | | | | | | | | |
| Weight | 4.20 kg | | | | | | | | | | | | | | |

Video Transmission Accessories Video Transmission



| Type | | Order No. |
|---|--|-------------|
| RS232-RS485  | Converter RS232 to RS485 Converts RS232 interface signals to RS485 interface signals. Weight 0.40 kg | 2GF5505-8AH |
| RS232-TTY  | Converter RS232 to TTY Converts RS232 interface signals to TTY interface signals. Weight 0.37 kg | 2GF5505-8AG |
| CTVI7575  | Video Isolation Transformer The CTVI7575 video isolation transformer breaks ground loops, only allowing video and camera control signals through. Ground loops occur when the earth potential at the camera is different from the potential at the monitor. This difference may only be a small voltage but it can cause large currents to flow through the shield of the coaxial cable. These large currents will cause picture distortion and safety problems if they remain. Compatible with Molynx 'C' type telemetry. Dimensions (H x W x D) 40 x 35 x 77 mm Weight 0.10 kg | S54563-C800 |



Can we increase branch security without compromising the customer experience?

Can security really improve our competitiveness?

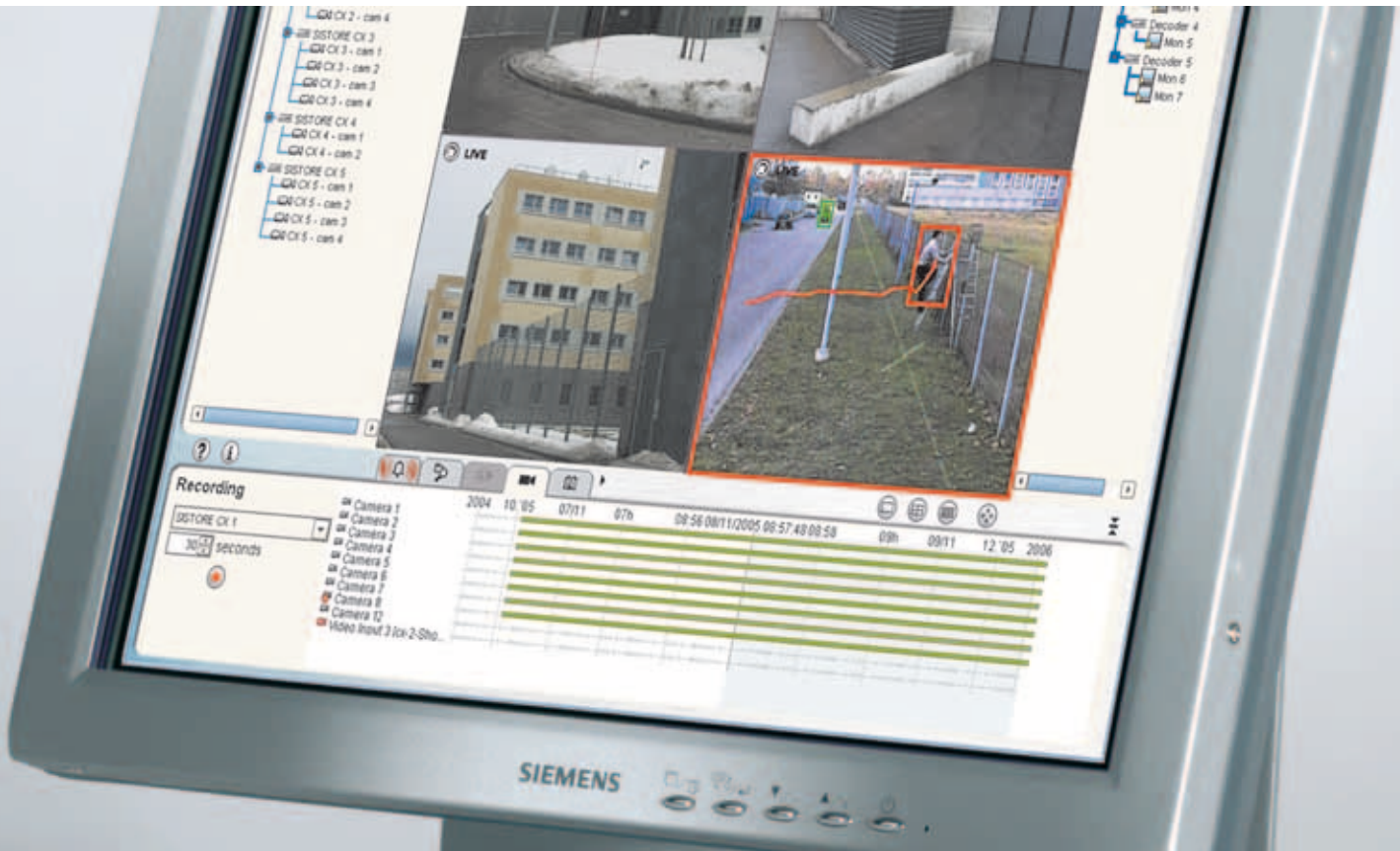
With interoperable access control, intrusion detection and video surveillance systems designed for a holistic bank security.

From ATMs to branches, data centres and entire bank networks, interoperable security systems provide local and centralised management of alarms and access events, backed up with live or recorded video monitoring and bank transaction data – all integrated into existing IT infrastructures. The resulting enterprise-wide security intelligence reduces losses due to theft, fraud or business disruptions and provides a safer banking environment for all – with a positive impact on compliance, operational performance and competitiveness. www.siemens.com/interoperability

Answers for infrastructure.

SIEMENS

Video Motion Detection





Reliable outdoor video motion detection system ...

SISTORE CX EDS (Enhanced Detection Solution) is a radically new high-performance digital video analysis system. It is an intelligent embedded codec performing video streaming, recording and it operates as a professional outdoor video motion detection system, with object tracking – suitable for external installations such as prisons, airports, military compounds, and perimeter protection.

SISTORE CX EDS uses a statistical method analysis that actually looks in the past, continuously analysing the video stream throughout its history. Track length and direction of the object can also be set to ensure the highest detection rate, with very few false alarms and a continuing reliable system.

Video Content Analysis

Video Content Analysis

| Type | Order No. | |
|--|--|-------------------------------|
| <p>SISTORE CX EDS..</p>  | <p>Intelligent Video Detection System</p> <p>SISTORE CX EDS is a video motion detection system featuring the latest Siemens technology for perimeter protection. Motion detection and object tracking are based on the latest statistical image analysis methods, optimised for use in critical outdoor areas. If SISTORE CX devices are used, MPEG4 video recording and transmission as well as a tamper detection function are additionally available. All functionalities can be optimally adapted to the actual environmental conditions using the configuration software.</p> <p>EDS (Enhanced Detection Solution) is a software option that is available for all devices of the SISTORE CX platform. After activation of this function, the standard motion detection functionality is extended. Activating is easily done by entering the requisite licence key in the configuration software.</p> | <p>SISTORE CX EDS</p> |
| <p>CX1 EDS</p> | <p>EDS Software Option for SISTORE CX1 Motion Detection and Object Tracking for Critical Outdoor Areas</p> | <p>S24245-P5101-A1</p> |
| <p>CX4 EDS</p> | <p>EDS Software Option for SISTORE CX4 Motion Detection and Object Tracking for Critical Outdoor Areas</p> | <p>S24245-P5101-A2</p> |
| <p>CX8 EDS</p> | <p>EDS Software Option for SISTORE CX8 Motion Detection and Object Tracking for Critical Outdoor Areas</p> | <p>S24245-P5101-A3</p> |
| <p>SISTORE CX ODR..</p>  | <p>Detection of removed or abandoned objects</p> <p>SISTORE CX ODR is a video sensor system using state-of-the-art Siemens technology for detecting removed or abandoned objects. The area of application ranges from the detection of removed objects of art in museums to the monitoring of areas where objects must not be placed, such as emergency exits, road sections, etc.</p> <p>Using the SISTORE CX devices it is further possible to record and transmit video in MPEG4 format and to detect tampering. All functionalities can be matched optimally to the conditions at the site using the configuration software. ODR (Object Detection Removal) is a software option that is available for all devices of the SISTORE CX platform. It can be activated easily by entering the required licence key in the configuration software</p> | <p>SISTORE CX ODR</p> |
| <p>CX1 ODR</p> | <p>ODR Software Option for SISTORE CX1 Detection of Removed or Abandoned Objects</p> | <p>P54565-P1-A1</p> |
| <p>CX4 ODR</p> | <p>ODR Software Option for SISTORE CX4 Detection of Removed or Abandoned Objects</p> | <p>P54565-P1-A2</p> |

Video Content Analysis

Video Content Analysis



Type

Order No.

CX8 ODR

ODR Software Option for SISTORE CX8 Detection of Removed or Abandoned Objects

P54565-P1-A3

How can petrol
theft be reduced?

How can the station be
protected against
break-ins and robberies?



Using interoperable access control, intrusion detection and video surveillance systems.

Video surveillance continuously monitors and records all activities at the pumps, in the shop area and throughout the premises at all times. During out of hours the intrusion detection system protects the premises against break-ins, and during opening hours panic buttons link to an alarm receiving centre, in case of robberies, combined with visual verification via surveillance cameras ensures a fast response. The offices, storage, and sensitive areas are kept safe yet accessible to the right people at the right times with access control. Protecting people, processes and assets – you are secure with Siemens. www.siemens.com/petrolstationsecurity

Answers for infrastructure.

SIEMENS

Quads, Video Distribution, Video Multiplexers




Video handling made easy with a range of quads, video multiplexers and video distribution

A range of video distribution equipment that allows either a combination, duplication or switching of different video sources, including video amplification. The range of sequential video switchers enable simple switching of different video sources to a single video monitor. The range of quads allows viewing up to four video signals to be displayed on the same on a monitor. The ranges of video distribution amplifiers multiply one video signal up to 16 separate video outputs.

Quads, Split Screens and Video Distribution

Monochrome and Colour Quads

| Type | Order No. |
|---|---|
| VQD300-RT  | 2GF2001-8AF |
| Colour Quad Real-Time 12 V DC | |
| Simple, cost-effective surveillance solution for small systems of up to four cameras. An intuitive user interface enables manual or automatic sequencing of all connected cameras in full-screen and quad format. | |
| Monitor display Sequencing | Real-time quad/full screen Quad |
| Resolution | Max. cameras: 4 720 x 576 pixels |
| Video inputs | 4 BNC (75 Ohm) |
| Alarm inputs | 1 per camera |
| Alarm outputs | 1 x Form-C (C/NO/NC), 24 V DC, 1 A |
| Dimensions (W x H x D) | 285 x 44 x 235 mm |
| Power requirements | 12 - 24 V AC / DC (230 V AC adapter supplied) |
| Weight | 1.70 kg |

Matrix Switching Systems



Video matrix switching made easy ...

SIMATRIX is a universal video matrix, that is fully scaleable to fit individual application requirements. User functionalities are wide ranging, from the pure matrix switching function, up to special event control in conjunction with external contacts, notification messaging for the processing of danger, alarm and intrusion information (i.e. video motion detection system SISTORE CX EDS) or from SiPass access control systems.



SIMATRIX is ideal for a wide range of applications and system sizes. From smaller systems containing 16 video inputs and 8 video outputs, SIMATRIX is expandable up to 224 video inputs with a maximum of 32 video outputs.

SIMATRIX is designed to be operated from either CKA keyboards or via IVM video software, to allow easy video switching and telemetry control of PTZ devices.

- Connect up to 224 cameras and 32 monitors
- LCD display for system status
- Connection to IVM video software
- Software configuration tool included

Matrix Switching Systems

Matrix Switchers


| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------|---------------|---|-----------------|---|------------------|---|--------------|----------------------------|---------------------|-----------------|----------------------|--|-----------------|--|------------------------|--------------------|--------------------|---|-------------------|---------|--------|---------|--|
| SIMATRIX 164  | 2GF2208-8BA | | | | | | | | | | | | | | | | | | | | | | | | |
| Compact Video Matrix 16x4, Non-Expandable <p>The SIMATRIX 164 video matrix consists of a matrix unit with integral front panel keyboard control. SIMATRIX 164 allows the connection of up to 16 video inputs switched to a maximum of 4 video outputs (16/4). It allows variable speed control of PTZ and dome devices when used with a CKA4820 and CAC0103 dome converter. Fixed speed control using the Siemens TTY protocol is a standard feature. The project-specific characteristics of the system can be set for each process or sequence using the parameterisation software.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td>Television standard</td> <td>PAL/CCIR</td> </tr> <tr> <td>Camera inputs</td> <td>16 BNC, 1V_{pp}, 75 Ohm</td> </tr> <tr> <td>Monitor outputs</td> <td>4 BNC, 1 V_{pp}, 75 Ohm</td> </tr> <tr> <td>Camera sequences</td> <td>1 sequence per monitor output, 32 defineable cycles</td> </tr> <tr> <td>Alarm inputs</td> <td>16</td> </tr> <tr> <td>Parameterisation PC</td> <td>1 V.24 (RS232C)</td> </tr> <tr> <td>Telemetry interfaces</td> <td>8 TTY outputs (20 mA current loop)</td> </tr> <tr> <td>Control outputs</td> <td>8 (open-collector); max. 30 V, max. 50 mA, relay with 2 floating changeover contacts for common alarm output</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>440 x 87 x 240 mm</td> </tr> <tr> <td>Power requirements</td> <td>220 - 240 V AC, 50 Hz switchable to 110 - 120 V AC, 60 Hz</td> </tr> <tr> <td>Power consumption</td> <td>18 W</td> </tr> <tr> <td>Weight</td> <td>4.70 kg</td> </tr> </table> | Television standard | PAL/CCIR | Camera inputs | 16 BNC, 1V _{pp} , 75 Ohm | Monitor outputs | 4 BNC, 1 V _{pp} , 75 Ohm | Camera sequences | 1 sequence per monitor output, 32 defineable cycles | Alarm inputs | 16 | Parameterisation PC | 1 V.24 (RS232C) | Telemetry interfaces | 8 TTY outputs (20 mA current loop) | Control outputs | 8 (open-collector); max. 30 V, max. 50 mA, relay with 2 floating changeover contacts for common alarm output | Dimensions (W x H x D) | 440 x 87 x 240 mm | Power requirements | 220 - 240 V AC, 50 Hz switchable to 110 - 120 V AC, 60 Hz | Power consumption | 18 W | Weight | 4.70 kg | |
| Television standard | PAL/CCIR | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 16 BNC, 1V _{pp} , 75 Ohm | | | | | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 4 BNC, 1 V _{pp} , 75 Ohm | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera sequences | 1 sequence per monitor output, 32 defineable cycles | | | | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| Parameterisation PC | 1 V.24 (RS232C) | | | | | | | | | | | | | | | | | | | | | | | | |
| Telemetry interfaces | 8 TTY outputs (20 mA current loop) | | | | | | | | | | | | | | | | | | | | | | | | |
| Control outputs | 8 (open-collector); max. 30 V, max. 50 mA, relay with 2 floating changeover contacts for common alarm output | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 440 x 87 x 240 mm | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 220 - 240 V AC, 50 Hz switchable to 110 - 120 V AC, 60 Hz | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 18 W | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 4.70 kg | | | | | | | | | | | | | | | | | | | | | | | | |
| SIMATRIX 648 V3  | 2GF2208-8EA | | | | | | | | | | | | | | | | | | | | | | | | |
| Compact Video Matrix 16x4, Expandable <p>The SIMATRIX 648 is a video matrix that can be expanded up to a maximum of 64 video inputs and 8 video outputs. The SIMATRIX 648 is a space-saving 19" complete system in a desktop housing, commencing with a basic configuration of 16 video inputs and 4 video outputs. It is a freely parameterisable and universally applicable video control centre. The application range extends from the pure matrix function up to event-controlled centres in conjunction with external alarm contacts or messages for processing danger, alarm and burglary signals (e.g. video sensor). IVM is an optional user-friendly graphical interface for the SIMATRIX 648.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td>Television standard</td> <td>PAL/CCIR</td> </tr> <tr> <td>Camera inputs</td> <td>16 BNC, 1V_{pp}, 75 Ohm, max. 64 with SIM648-IM</td> </tr> <tr> <td>Monitor outputs</td> <td>4 BNC, 1 V_{pp}, 75 Ohm, max. 8 with SIM648-OM V3</td> </tr> <tr> <td>Camera sequences</td> <td>1 sequence per monitor output, 32 defineable cycles</td> </tr> <tr> <td>Alarm inputs</td> <td>16, max. 64 with SIM648-IO</td> </tr> <tr> <td>Parameterisation PC</td> <td>1 V.24 (RS232C)</td> </tr> <tr> <td>Telemetry interfaces</td> <td>8 TTY outputs (20 mA current loop), max. 32 with SIM648-IO</td> </tr> <tr> <td>Control outputs</td> <td>8 control outputs (open-collector), max. 30 V, max. 50 mA, relay with 2 floating changeover contacts for common alarm output</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>440 x 133 x 210 mm</td> </tr> <tr> <td>Power requirements</td> <td>220 - 240 V AC, 50 Hz switchable to 110 - 120 V AC, 60 Hz</td> </tr> <tr> <td>Weight</td> <td>4.30 kg</td> </tr> </table> | Television standard | PAL/CCIR | Camera inputs | 16 BNC, 1V _{pp} , 75 Ohm, max. 64 with SIM648-IM | Monitor outputs | 4 BNC, 1 V _{pp} , 75 Ohm, max. 8 with SIM648-OM V3 | Camera sequences | 1 sequence per monitor output, 32 defineable cycles | Alarm inputs | 16, max. 64 with SIM648-IO | Parameterisation PC | 1 V.24 (RS232C) | Telemetry interfaces | 8 TTY outputs (20 mA current loop), max. 32 with SIM648-IO | Control outputs | 8 control outputs (open-collector), max. 30 V, max. 50 mA, relay with 2 floating changeover contacts for common alarm output | Dimensions (W x H x D) | 440 x 133 x 210 mm | Power requirements | 220 - 240 V AC, 50 Hz switchable to 110 - 120 V AC, 60 Hz | Weight | 4.30 kg | | | |
| Television standard | PAL/CCIR | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 16 BNC, 1V _{pp} , 75 Ohm, max. 64 with SIM648-IM | | | | | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 4 BNC, 1 V _{pp} , 75 Ohm, max. 8 with SIM648-OM V3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera sequences | 1 sequence per monitor output, 32 defineable cycles | | | | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 16, max. 64 with SIM648-IO | | | | | | | | | | | | | | | | | | | | | | | | |
| Parameterisation PC | 1 V.24 (RS232C) | | | | | | | | | | | | | | | | | | | | | | | | |
| Telemetry interfaces | 8 TTY outputs (20 mA current loop), max. 32 with SIM648-IO | | | | | | | | | | | | | | | | | | | | | | | | |
| Control outputs | 8 control outputs (open-collector), max. 30 V, max. 50 mA, relay with 2 floating changeover contacts for common alarm output | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 440 x 133 x 210 mm | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 220 - 240 V AC, 50 Hz switchable to 110 - 120 V AC, 60 Hz | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 4.30 kg | | | | | | | | | | | | | | | | | | | | | | | | |



| Type | | Order No. |
|---------------------|--|--------------------|
| SIM648-IM | <p>SIMATRIX 648 Extension Module for 16 Camera Inputs</p> <p>Input module (matrix card 16/8) to expand the SIMATRIX 648 in steps of 16 video inputs (max. 64 video inputs).</p> <p>Camera inputs 16 video in Weight 0.24 kg</p> | 2GF2208-8AB |
| SIM648-OM V3 | <p>SIMATRIX 648 V3 Extension Module for 4 Monitor Outputs</p> <p>Output module to expand the SIMATRIX 648 V3 by 4 video outputs with text overlay/OSD (max. 8 video outputs).</p> <p>Weight 0.03 kg</p> | 2GF2208-8EB |
| SIM648-OM | <p>SIMATRIX 648 Extension Module for 4 Monitor Outputs</p> <p>Output module to expand the discontinued SIMATRIX 648 by 4 video outputs with text overlay/OSD (max. 8 video outputs).</p> | 2GF2208-8AC |
| SIM648-TM | <p>SIMATRIX 648 Extension Module for 2 Terminal/Keyboard Interfaces</p> <p>To expand the SIMATRIX 648 for connection of two further CKA or SUT48 keyboards (max. 4).</p> <p>Weight 0.35 kg</p> | 2GF2208-8AD |
| SIM648-IO | <p>SIMATRIX 648 Extension Module 16 Alarm In / 8 TTY Out</p> <p>Module to expand the SIMATRIX 648 video matrix by 8 TTY telemetry control outputs (max. 32) and 16 alarm inputs (max. 64).</p> <p>Weight 0.06 kg</p> | 2GF2208-8AE |
| SIM648-MO | <p>SIMATRIX 648 Preconfiguration (Make to Order)</p> <p>When using this order number together with an order of SIMATRIX 648 components, the components will be preconfigured in the factory and delivered in one together.</p> | 2GF2208-8AF |

Matrix Switching Systems





Matrix Switchers

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------------|--|---------------|--|-----------------|---|------------------|---|--------------|-------------------------------|---------------------|----------------------------------|----------------------|-------------------------------------|---------------------------------|---|------------|---|-----------------|--|------------------------|--------------------|--------------------|---|--------|---------|
| SIMNEO-168 V2 | S54567-C751-A1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>SIMATRIX NEO V2 Modular Video Matrix</p> <p>SIMATRIX NEO is a video matrix that can be expanded up to a maximum of 224 inputs and 32 outputs using both main and extension chassis. The SIMATRIX NEO is a space-saving 19-inch complete system in a desktop housing, commencing with a basic configuration of 16 inputs, 8 outputs and 32 alarms, and includes an LCD display for diagnostic information. The SIMATRIX NEO is a freely parameterisable and universally applicable video matrix switching system, including straight forward setup software for up and downloading of settings. The application range extends from the pure matrix function up to event-controlled control alarm receiving centres, in conjunction with external alarm contacts or messages for processing danger, alarm and intruder signals. IVM is an optional, user-friendly graphical interface for the SIMATRIX NEO. Operation is possible via the CKA4820 remote keyboard.</p> <table border="0"> <tr> <td>Television standard</td> <td>PAL/CCIR</td> </tr> <tr> <td>Camera inputs</td> <td>16 BNC, 1V_{pp}, 75 Ohm, max. 128 with SIMNEO-IM, termination switchable with jumper</td> </tr> <tr> <td>Monitor outputs</td> <td>8 BNC, 1 V_{pp}, 75 Ohm, max. 32 with SIMNEO-OM</td> </tr> <tr> <td>Camera sequences</td> <td>1 sequence per monitor output, 32 defineable cycles</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Parameterisation PC</td> <td>1 V.24 (RS232C), 1 Ethernet RJ45</td> </tr> <tr> <td>Telemetry interfaces</td> <td>4 RS422, RS485, TTY, 16 SCU (20 mA)</td> </tr> <tr> <td>Telemetry protocol LAN/Ethernet</td> <td>CCDA, SCU, SIVIS, PELCO-D 8P8C modular socket (RJ45) with 10/100 Base – T-Ethernet interface for configuration via network, connection of LAN components, status request via integrated Web server (not supported by IVM)</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Control outputs</td> <td>8 (open-collector), max. 30 V, max. 50 mA, relay with 2 potential-free contacts, max. 48 V, 250 mA</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Power requirements</td> <td>115 - 230 V AC Tolerance: +10 to -15 %, 50/60 Hz switchable</td> </tr> <tr> <td>Weight</td> <td>6.50 kg</td> </tr> </table> | Television standard | PAL/CCIR | Camera inputs | 16 BNC, 1V _{pp} , 75 Ohm, max. 128 with SIMNEO-IM, termination switchable with jumper | Monitor outputs | 8 BNC, 1 V _{pp} , 75 Ohm, max. 32 with SIMNEO-OM | Camera sequences | 1 sequence per monitor output, 32 defineable cycles | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Parameterisation PC | 1 V.24 (RS232C), 1 Ethernet RJ45 | Telemetry interfaces | 4 RS422, RS485, TTY, 16 SCU (20 mA) | Telemetry protocol LAN/Ethernet | CCDA, SCU, SIVIS, PELCO-D 8P8C modular socket (RJ45) with 10/100 Base – T-Ethernet interface for configuration via network, connection of LAN components, status request via integrated Web server (not supported by IVM) | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Control outputs | 8 (open-collector), max. 30 V, max. 50 mA, relay with 2 potential-free contacts, max. 48 V, 250 mA | Dimensions (W x H x D) | 441 x 266 x 217 mm | Power requirements | 115 - 230 V AC Tolerance: +10 to -15 %, 50/60 Hz switchable | Weight | 6.50 kg |
| Television standard | PAL/CCIR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 16 BNC, 1V _{pp} , 75 Ohm, max. 128 with SIMNEO-IM, termination switchable with jumper | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 8 BNC, 1 V _{pp} , 75 Ohm, max. 32 with SIMNEO-OM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camera sequences | 1 sequence per monitor output, 32 defineable cycles | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parameterisation PC | 1 V.24 (RS232C), 1 Ethernet RJ45 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telemetry interfaces | 4 RS422, RS485, TTY, 16 SCU (20 mA) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telemetry protocol LAN/Ethernet | CCDA, SCU, SIVIS, PELCO-D 8P8C modular socket (RJ45) with 10/100 Base – T-Ethernet interface for configuration via network, connection of LAN components, status request via integrated Web server (not supported by IVM) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Control outputs | 8 (open-collector), max. 30 V, max. 50 mA, relay with 2 potential-free contacts, max. 48 V, 250 mA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 115 - 230 V AC Tolerance: +10 to -15 %, 50/60 Hz switchable | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 6.50 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIMNEO-IM | 2GF2211-8CA | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>SIMATRIX NEO Extension Module for 16 Camera Inputs</p> <p>Input module (matrix card 16/32) to expand the SIMATRIX NEO SIMNEO-168 and SIMNEO-EXT in steps of 16 video inputs.</p> <table border="0"> <tr> <td>Camera inputs</td> <td>16 video in, 75 Ohm termination switchable</td> </tr> <tr> <td>Weight</td> <td>0.24 kg</td> </tr> </table> | Camera inputs | 16 video in, 75 Ohm termination switchable | Weight | 0.24 kg | | | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 16 video in, 75 Ohm termination switchable | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 0.24 kg | | | | | | | | | | | | | | | | | | | | | | | | | | |

Matrix Switching Systems


Matrix Switchers



| Type | | Order No. |
|---|--|-------------|
| SIMNEO-OM | <p>SIMATRIX NEO Main Chassis Extension Module for 8 Monitor Outputs</p> <p>Output module to expand the SIMATRIX NEO SIMNEO-168 by 8 video outputs with text overlay/OSD (max. 32 video outputs).</p> <p>Weight 0.03 kg</p> | 2GF2211-8DA |
|  | | |
| SIMNEO-SOM | <p>SIMATRIX NEO Extension Chassis Extension Module for 8 Monitor Outputs</p> <p>Output module to expand the SIMATRIX NEO SIMNEO-EXT by 8 video outputs without text overlay/OSD (max. 32 video outputs).</p> | 2GF2211-8DB |
|  | | |
| SIMNEO-MO | <p>SIMATRIX NEO Preconfiguration (Make to Order)</p> <p>When using this order number together with an order of SIMATRIX NEO components and preconfigured systems, the components will be pre-configured in the factory and delivered in one together.</p> | 2GF2211-8AF |
| SIMNEO A128 | <p>Alarm Box incl. 128 Alarm Inputs</p> <p>Alarm box for expansion of the SIMATRIX NEO alarm inputs in steps, 128 Alarm-Inputs in 19"-Rack Device, 1 HU.</p> <p>Alarm inputs 128</p> <p>Interfaces SysLink for communication with SIMNEO-168</p> <p>Design variants 19" rack mountable, 1 U</p> <p>Power requirements 115 - 230 V AC, +10 to -15 %, 50/60 Hz switchable</p> <p>Dimensions (W x H x D) 449 x 44 x 206 mm</p> <p>Weight 2.50 kg</p> | 2GF2211-8EA |
|  | | |
| SIMATRIX NEO-EXP168 | <p>SIMATRIX NEO Matrix Extension Bay 32x16, Expandable</p> <p>Extension chassis for the SIMATRIX NEO, including 32 camera inputs and 16 monitor outputs for connection to SIMNEO-168 master chassis. Connection to the basic chassis via 1 x RS485 high-speed asynchronous, internal (max. 1 extension chassis).</p> <p>Camera inputs 32 BNC video in, 1V_{pp}, 75 Ohm, max. 240 with SIMNEO-168</p> <p>Design variants 19" rack mountable, 6 U</p> <p>Monitor outputs 16 BNC, 1 V_{pp}, 75 Ohm, max. 32 with SIMNEO-SOM</p> <p>Alarm inputs 32, max. 256 with SIMNEO-A128</p> <p>Interfaces SysLink for communication with SIMNEO-168</p> <p>Television standard PAL/CCIR</p> <p>Power requirements 115 - 230 V AC, 50/60 Hz</p> <p>Weight 6.30 kg</p> | 2GF2211-8AB |
|  | | |

Matrix Switching Systems

Matrix Switchers

| Type | Order No. | | | | | | | | | | | | | | | | |
|--|---|----|-----------------|---|------------|---|-----------------|-----------------------------------|--------------|-------------------------------|-----------------|-------------------------|------------------------|--------------------|--------|---------|--|
| SIMNEO Preconf.. | SIMATRIX NEO.. | | | | | | | | | | | | | | | | |
|  | <p>SIMATRIX NEO V2 Preconfigured</p> <p>Preconfigured constellations of SIMATRIX NEO V2. SIMATRIX NEO is a video matrix that can be expanded up to a maximum of 224 inputs and 32 outputs using both main and extension chassis. The SIMATRIX NEO is a space-saving 19-inch complete system in a desktop housing, commencing with a basic configuration of 16 inputs, 8 outputs and 32 alarms and includes an LCD display for diagnostic information. The SIMATRIX NEO is a freely parameterisable and universally applicable video matrix switching system, including straight forward setup software for up and downloading of settings. The application range extends from the pure matrix function up to event-controlled control alarm receiving centres, in conjunction with external alarm contacts or messages for processing danger, alarm and intruder signals. IVM is an optional, user-friendly graphical interface for the SIMATRIX NEO. Operation is possible via the CKA4820 remote keyboard.</p> | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 32x8 | 2GF2211-8JA | | | | | | | | | | | | | | | | |
| <p>Matrix Switching System 32x8, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>32</td> </tr> <tr> <td>Monitor outputs</td> <td>8</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>6.74 kg</td> </tr> </table> | Camera inputs | 32 | Monitor outputs | 8 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 6.74 kg | |
| Camera inputs | 32 | | | | | | | | | | | | | | | | |
| Monitor outputs | 8 | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | |
| Weight | 6.74 kg | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 64x8 | 2GF2211-8JB | | | | | | | | | | | | | | | | |
| <p>Matrix Switching System 64x8, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>64</td> </tr> <tr> <td>Monitor outputs</td> <td>8</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>7.22 kg</td> </tr> </table> | Camera inputs | 64 | Monitor outputs | 8 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 7.22 kg | |
| Camera inputs | 64 | | | | | | | | | | | | | | | | |
| Monitor outputs | 8 | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | |
| Weight | 7.22 kg | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 96x8 | 2GF2211-8JC | | | | | | | | | | | | | | | | |
| <p>Matrix Switching System 96x8, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>96</td> </tr> <tr> <td>Monitor outputs</td> <td>8</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>7.70 kg</td> </tr> </table> | Camera inputs | 96 | Monitor outputs | 8 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 7.70 kg | |
| Camera inputs | 96 | | | | | | | | | | | | | | | | |
| Monitor outputs | 8 | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | |
| Weight | 7.70 kg | | | | | | | | | | | | | | | | |



| Type | | Order No. | | | | | | | | | | | | | | |
|------------------------|--|-------------|---------------|-----|-----------------|----|------------|---|-----------------|-----------------------------------|--------------|-------------------------------|-----------------|-------------------------|------------------------|--------------------|
| SIMATRIX NEO 128x8 | Matrix Switching System 128x8, Preconf., Expandable | 2GF2211-8JD | | | | | | | | | | | | | | |
| | <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>128</td> </tr> <tr> <td>Monitor outputs</td> <td>8</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>8.18 kg</td> </tr> </table> | | Camera inputs | 128 | Monitor outputs | 8 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm |
| Camera inputs | 128 | | | | | | | | | | | | | | | |
| Monitor outputs | 8 | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | |
| Weight | 8.18 kg | | | | | | | | | | | | | | | |
| SIMATRIX NEO 16x16 | Matrix Switching System 16x16, Preconf., Expandable | 2GF2211-8KA | | | | | | | | | | | | | | |
| | <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>16</td> </tr> <tr> <td>Monitor outputs</td> <td>16</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>6.53 kg</td> </tr> </table> | | Camera inputs | 16 | Monitor outputs | 16 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm |
| Camera inputs | 16 | | | | | | | | | | | | | | | |
| Monitor outputs | 16 | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | |
| Weight | 6.53 kg | | | | | | | | | | | | | | | |
| SIMATRIX NEO 32x16 | Matrix Switching System 32x16, Preconf., Expandable | 2GF2211-8KB | | | | | | | | | | | | | | |
| | <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>32</td> </tr> <tr> <td>Monitor outputs</td> <td>16</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>6.77 kg</td> </tr> </table> | | Camera inputs | 32 | Monitor outputs | 16 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm |
| Camera inputs | 32 | | | | | | | | | | | | | | | |
| Monitor outputs | 16 | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | |
| Weight | 6.77 kg | | | | | | | | | | | | | | | |
| SIMATRIX NEO 64x16 | Matrix Switching System 64x16, Preconf., Expandable | 2GF2211-8KC | | | | | | | | | | | | | | |
| | <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>64</td> </tr> <tr> <td>Monitor outputs</td> <td>16</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>7.25 kg</td> </tr> </table> | | Camera inputs | 64 | Monitor outputs | 16 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm |
| Camera inputs | 64 | | | | | | | | | | | | | | | |
| Monitor outputs | 16 | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | |
| Weight | 7.25 kg | | | | | | | | | | | | | | | |

Matrix Switching Systems

Matrix Switchers

| Type | | Order No. | | | | | | | | | | | | | | | | |
|----------------------------|--|---------------|-----|-----------------|----|------------|--|-----------------|-----------------------------------|--------------|-------------------------------------|-----------------|------------------------------|------------------------|--------------------|--------|----------|--------------------|
| SIMATRIX NEO 96x16 | <p>Matrix Switching System 96x16, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>96</td> </tr> <tr> <td>Monitor outputs</td> <td>16</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>7.73 kg</td> </tr> </table> | Camera inputs | 96 | Monitor outputs | 16 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 7.73 kg | 2GF2211-8KD |
| Camera inputs | 96 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 16 | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 7.73 kg | | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 128x16 | <p>Matrix Switching System 128x16, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>128</td> </tr> <tr> <td>Monitor outputs</td> <td>16</td> </tr> <tr> <td>Interfaces</td> <td>8 TTY-(20mA) for CKAs, 16 SCU-(20mA)-Interfaces for CDC</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMATRIX NEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>8.21 kg</td> </tr> </table> | Camera inputs | 128 | Monitor outputs | 16 | Interfaces | 8 TTY-(20mA) for CKAs, 16 SCU-(20mA)-Interfaces for CDC | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMATRIX NEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 8.21 kg | 2GF2211-8KE |
| Camera inputs | 128 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 16 | | | | | | | | | | | | | | | | | |
| Interfaces | 8 TTY-(20mA) for CKAs, 16 SCU-(20mA)-Interfaces for CDC | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMATRIX NEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 8.21 kg | | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 160x16 | <p>Matrix Switching System 160x16, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>160</td> </tr> <tr> <td>Monitor outputs</td> <td>16</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>64, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>2 x 19" rack mountable, 12 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 532 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>15.02 kg</td> </tr> </table> | Camera inputs | 160 | Monitor outputs | 16 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 64, max. 256 with SIMNEO-A128 | Design variants | 2 x 19" rack mountable, 12 U | Dimensions (W x H x D) | 441 x 532 x 217 mm | Weight | 15.02 kg | 2GF2211-8KF |
| Camera inputs | 160 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 16 | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 64, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 2 x 19" rack mountable, 12 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 532 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 15.02 kg | | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 224x16 | <p>Matrix Switching System 224x16, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>224</td> </tr> <tr> <td>Monitor outputs</td> <td>16</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>64, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>2 x 19" rack mountable, 12 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 532 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>15.98 kg</td> </tr> </table> | Camera inputs | 224 | Monitor outputs | 16 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 64, max. 256 with SIMNEO-A128 | Design variants | 2 x 19" rack mountable, 12 U | Dimensions (W x H x D) | 441 x 532 x 217 mm | Weight | 15.98 kg | 2GF2211-8KG |
| Camera inputs | 224 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 16 | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 64, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 2 x 19" rack mountable, 12 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 532 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 15.98 kg | | | | | | | | | | | | | | | | | |



| Type | | Order No. | | | | | | | | | | | | | | | | |
|----------------------------|--|---------------|-----|-----------------|----|------------|---|-----------------|-----------------------------------|--------------|-------------------------------|-----------------|-------------------------|------------------------|--------------------|--------|---------|--------------------|
| SIMATRIX NEO 32x32 | <p>Matrix Switching System 32x32, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>32</td> </tr> <tr> <td>Monitor outputs</td> <td>32</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>6.83 kg</td> </tr> </table> | Camera inputs | 32 | Monitor outputs | 32 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 6.83 kg | 2GF2211-8LA |
| Camera inputs | 32 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 32 | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 6.83 kg | | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 64x32 | <p>Matrix Switching System 64x32, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>64</td> </tr> <tr> <td>Monitor outputs</td> <td>32</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>7.31 kg</td> </tr> </table> | Camera inputs | 64 | Monitor outputs | 32 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 7.31 kg | 2GF2211-8LB |
| Camera inputs | 64 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 32 | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 7.31 kg | | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 96x32 | <p>Matrix Switching System 96x32, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>96</td> </tr> <tr> <td>Monitor outputs</td> <td>32</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>7.79 kg</td> </tr> </table> | Camera inputs | 96 | Monitor outputs | 32 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 7.79 kg | 2GF2211-8LC |
| Camera inputs | 96 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 32 | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 7.79 kg | | | | | | | | | | | | | | | | | |
| SIMATRIX NEO 128x32 | <p>Matrix Switching System 128x32, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>128</td> </tr> <tr> <td>Monitor outputs</td> <td>32</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>32, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>19" rack mountable, 6 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 266 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>8.27 kg</td> </tr> </table> | Camera inputs | 128 | Monitor outputs | 32 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 32, max. 256 with SIMNEO-A128 | Design variants | 19" rack mountable, 6 U | Dimensions (W x H x D) | 441 x 266 x 217 mm | Weight | 8.27 kg | 2GF2211-8LD |
| Camera inputs | 128 | | | | | | | | | | | | | | | | | |
| Monitor outputs | 32 | | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | | |
| Design variants | 19" rack mountable, 6 U | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 266 x 217 mm | | | | | | | | | | | | | | | | | |
| Weight | 8.27 kg | | | | | | | | | | | | | | | | | |

Matrix Switching Systems

Matrix Switchers

| Type | Order No. | | | | | | | | | | | | | | | | |
|--|---|-----|-----------------|----|------------|---|-----------------|-----------------------------------|--------------|-------------------------------|-----------------|------------------------------|------------------------|--------------------|--------|----------|-------------|
| <p>SIMATRIX NEO 160x32 Matrix Switching System 160x32, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>160</td> </tr> <tr> <td>Monitor outputs</td> <td>32</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>64, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>2 x 19" rack mountable, 12 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 532 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>15.14 kg</td> </tr> </table> | Camera inputs | 160 | Monitor outputs | 32 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 64, max. 256 with SIMNEO-A128 | Design variants | 2 x 19" rack mountable, 12 U | Dimensions (W x H x D) | 441 x 532 x 217 mm | Weight | 15.14 kg | 2GF2211-8LE |
| Camera inputs | 160 | | | | | | | | | | | | | | | | |
| Monitor outputs | 32 | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | |
| Alarm inputs | 64, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Design variants | 2 x 19" rack mountable, 12 U | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 532 x 217 mm | | | | | | | | | | | | | | | | |
| Weight | 15.14 kg | | | | | | | | | | | | | | | | |
| <p>SIMATRIX NEO 208x32 Matrix Switching System 208x32, Preconf., Expandable</p> <p>As SIMNEO Preconf.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Camera inputs</td> <td>208</td> </tr> <tr> <td>Monitor outputs</td> <td>32</td> </tr> <tr> <td>Interfaces</td> <td>SysLink for communication with SIMNEO-EXT and SIMNEO-A128</td> </tr> <tr> <td>Alarm connector</td> <td>2 (37-pin Sub-D-Female connector)</td> </tr> <tr> <td>Alarm inputs</td> <td>64, max. 256 with SIMNEO-A128</td> </tr> <tr> <td>Design variants</td> <td>2 x 19" rack mountable, 12 U</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>441 x 532 x 217 mm</td> </tr> <tr> <td>Weight</td> <td>15.86 kg</td> </tr> </table> | Camera inputs | 208 | Monitor outputs | 32 | Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | Alarm connector | 2 (37-pin Sub-D-Female connector) | Alarm inputs | 64, max. 256 with SIMNEO-A128 | Design variants | 2 x 19" rack mountable, 12 U | Dimensions (W x H x D) | 441 x 532 x 217 mm | Weight | 15.86 kg | 2GF2211-8LF |
| Camera inputs | 208 | | | | | | | | | | | | | | | | |
| Monitor outputs | 32 | | | | | | | | | | | | | | | | |
| Interfaces | SysLink for communication with SIMNEO-EXT and SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Alarm connector | 2 (37-pin Sub-D-Female connector) | | | | | | | | | | | | | | | | |
| Alarm inputs | 64, max. 256 with SIMNEO-A128 | | | | | | | | | | | | | | | | |
| Design variants | 2 x 19" rack mountable, 12 U | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 441 x 532 x 217 mm | | | | | | | | | | | | | | | | |
| Weight | 15.86 kg | | | | | | | | | | | | | | | | |



Type

Order No.

VIS3I-328

Visilynx 3 Integrated System Unit 32 x 8






S54567-C750-A1

Visilynx 3i is a powerful, feature rich, and cost-effective integrated video matrix system. Built around its Integrated System Unit (ISU) building block, and installer configurable via configuration software that runs on a laptop PC. Visilynx 3i offers an off-the-shelf solution for the vast majority of video matrix applications. One or two Visilynx quad cards may be fitted in the ISU's internal card slots to provide additional quad screen video outputs.

| | |
|------------------------|---|
| Power requirements | 100 - 240 V AC, 47/63 Hz |
| Power consumption | 100 W |
| Telemetry interfaces | RS485 |
| Telemetry protocol | Pelco-D*, Dennard*, JVC*, Sensormatic*, Kalatel*, Vista*, VCL*, Ultrak*, Mic1*. *Customers are advised to check with customer support before ordering whether the support for the dome they require is available. |
| Television standard | PAL/CCIR |
| Alarm inputs | 128 |
| Camera inputs | 32 |
| Monitor outputs | 8 BNC, 1 V _{pp} , 75 Ohm |
| OSD menu | Camera text, alarm and user input data. Full IBM character set internal synchronisation. |
| Design variants | 19" rack mountable, 3 U |
| Parameterisation PC | 1 V.24 (RS232C) |
| Keyboard interface | Max. 32 keyboards |
| Dimensions (W x H x D) | 445 x 135 x 368 mm (excl. feet) 445 x 150 x 368 mm (incl. feet) |
| Weight | 9.00 kg |

Matrix Switching Systems


Accessories Matrix Switching Systems

| Type | Order No. |
|---|---|
| SIM-PC | 2GF2208-8AG |
|  | <p>Remote Setup Interface Cable for SIMATRIX Video Matrix</p> <p>For connecting an external computer with 9-pin AT connection to SIMATRIX video matrix. 2 m long, for parameterisation of SIMATRIX and for loading an alarm program.</p> <p>Length 2.00 m Weight 0.10 kg</p> |
| SIM-CC3 | 2GF2207-8AE |
|  | <p>SIMATRIX Interface Cable to Keyboard CKA, 3 m</p> <p>For connection of a keyboard to the video matrix SIMATRIX SYS, 648, 164 with plug connectors.</p> <p>Length 3.00 m Weight 0.10 kg</p> |
| SIM-CC7 | 2GF2207-8AF |
|  | <p>SIMATRIX Interface Cable to Keyboard CKA, 7 m</p> <p>For connection of a keyboard to the video matrix SIMATRIX SYS, 648, 164 with plug connectors.</p> <p>Length 7.00 m Weight 0.34 kg</p> |
| SIM-CC10 | 2GF2207-8AG |
|  | <p>SIMATRIX Interface Cable to Keyboard CKA, 10 m</p> <p>For connection of a keyboard to the video matrix SIMATRIX SYS, 648, 164 with plug connectors.</p> <p>Length 10.00 m Weight 2.20 kg</p> |
| SIM-SMB/BNC | 2GF5608-8AP |
|  | <p>SMB to BNC Coaxial Cable 2 m</p> <p>RG179 Coaxial cable with a prefitted SMB socket and a BNC plug, 2 m.</p> <p>Length 2.00 m Weight 0.05 kg</p> |

Matrix Switching Systems

Accessories Matrix Switching Systems



| Type | Order No. | | | | | | | | | | | | | | |
|--|---|------------------------------------|-------------------|---|--------------------|---|------------------------|-------------------|--------------------|---------|------------------------|--|-----------------|---------|-----------------|
| <p>CAC0103</p>  <p>Protocol Converter TTY-RS485</p> <p>This converter module converts the SIMATRIX TTY SCU telemetry control to interface with remote controllable cameras CCBS1337, CCWC1335 and functional domes CCDA1425/CCDA1435, Molyx-D CCDA1410/CCDA1415 and PELCO-P controller. It will directly work with the CKA4820 and CKA3210.</p> <table border="0"> <tr> <td>Baud rate</td> <td>2400 - 19200 bps</td> </tr> <tr> <td>Power consumption</td> <td>2 VA</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>130 x 180 x 40 mm</td> </tr> <tr> <td>Weight</td> <td>0.60 kg</td> </tr> <tr> <td>Telemetry interfaces</td> <td>Input: TTY (SCU protocol) Output: RS485 device specific</td> </tr> </table> | Baud rate | 2400 - 19200 bps | Power consumption | 2 VA | Power requirements | 12 V DC | Dimensions (W x H x D) | 130 x 180 x 40 mm | Weight | 0.60 kg | Telemetry interfaces | Input: TTY (SCU protocol) Output: RS485 device specific | S24245-F5046-A1 | | |
| Baud rate | 2400 - 19200 bps | | | | | | | | | | | | | | |
| Power consumption | 2 VA | | | | | | | | | | | | | | |
| Power requirements | 12 V DC | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 130 x 180 x 40 mm | | | | | | | | | | | | | | |
| Weight | 0.60 kg | | | | | | | | | | | | | | |
| Telemetry interfaces | Input: TTY (SCU protocol) Output: RS485 device specific | | | | | | | | | | | | | | |
| <p>CAD0485-AA</p>  <p>RS485 Distribution Amplifier</p> <p>This unit amplifies one RS422/485 input to 8 x RS422/485 outputs for point-to-point star configuration. It is for universal usage and works directly with CAC0103. The output is designed for a maximum load of 10 devices per RS485 line.</p> <table border="0"> <tr> <td>Baud rate</td> <td>2400 - 19200 bps</td> </tr> <tr> <td>Inputs</td> <td>1 RS422/485; termination selectable</td> </tr> <tr> <td>Outputs</td> <td>8 RS422/485; termination selectable</td> </tr> <tr> <td>Power consumption</td> <td>6 W</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>130 x 180 x 40 mm</td> </tr> <tr> <td>Weight</td> <td>0.60 kg</td> </tr> </table> | Baud rate | 2400 - 19200 bps | Inputs | 1 RS422/485; termination selectable | Outputs | 8 RS422/485; termination selectable | Power consumption | 6 W | Power requirements | 12 V DC | Dimensions (W x H x D) | 130 x 180 x 40 mm | Weight | 0.60 kg | S24245-F5047-A1 |
| Baud rate | 2400 - 19200 bps | | | | | | | | | | | | | | |
| Inputs | 1 RS422/485; termination selectable | | | | | | | | | | | | | | |
| Outputs | 8 RS422/485; termination selectable | | | | | | | | | | | | | | |
| Power consumption | 6 W | | | | | | | | | | | | | | |
| Power requirements | 12 V DC | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 130 x 180 x 40 mm | | | | | | | | | | | | | | |
| Weight | 0.60 kg | | | | | | | | | | | | | | |
| <p>CAC1601</p>  <p>Coax Controller Unit</p> <p>This converter is a combined coaxial telemetry transmitter, telemetry protocol converter and 16 by 4 video switcher. It allows Siemens Solaris speed domes and telemetry receivers to be controlled over the coax using up to 2 simultaneous telemetry control sources, as detailed in the system overview below. Set up via LCD with adjacent control keys.</p> <table border="0"> <tr> <td>Video inputs</td> <td>16 C-Type channels, looped through</td> </tr> <tr> <td>Video outputs</td> <td>4 controllable monitor outputs (2 with PAL on-screen text)</td> </tr> <tr> <td>Protocols</td> <td>Siemens CCDA, Siemens SCU, Bewator Molyx, Bewator PC-CON, Ernitec ERNA, Pelco-D/-P, VCL, Vicon, Videmech Universal protocol</td> </tr> <tr> <td>Power consumption</td> <td>1.25 W</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC</td> </tr> <tr> <td>Telemetry interfaces</td> <td>2 RS485, 1 dual channel, USB telemetry channels</td> </tr> <tr> <td>Weight</td> <td>2.50 kg</td> </tr> </table> | Video inputs | 16 C-Type channels, looped through | Video outputs | 4 controllable monitor outputs (2 with PAL on-screen text) | Protocols | Siemens CCDA, Siemens SCU, Bewator Molyx, Bewator PC-CON, Ernitec ERNA, Pelco-D/-P, VCL, Vicon, Videmech Universal protocol | Power consumption | 1.25 W | Power requirements | 12 V DC | Telemetry interfaces | 2 RS485, 1 dual channel, USB telemetry channels | Weight | 2.50 kg | 2GF1194-8BM |
| Video inputs | 16 C-Type channels, looped through | | | | | | | | | | | | | | |
| Video outputs | 4 controllable monitor outputs (2 with PAL on-screen text) | | | | | | | | | | | | | | |
| Protocols | Siemens CCDA, Siemens SCU, Bewator Molyx, Bewator PC-CON, Ernitec ERNA, Pelco-D/-P, VCL, Vicon, Videmech Universal protocol | | | | | | | | | | | | | | |
| Power consumption | 1.25 W | | | | | | | | | | | | | | |
| Power requirements | 12 V DC | | | | | | | | | | | | | | |
| Telemetry interfaces | 2 RS485, 1 dual channel, USB telemetry channels | | | | | | | | | | | | | | |
| Weight | 2.50 kg | | | | | | | | | | | | | | |

Matrix Switching Systems

Accessories Matrix Switching Systems

| Type | | Order No. |
|----------------------|---|--------------------|
| VIS3-KEYCAB | <p>VC-3K Visilynx 3 Keyboard Cable</p> <p>The keyboard cable is used to connect a VSILYNX keyboard to the VSILYNX video matrix.</p> <p>Length 3.00 m Weight 0.14 kg</p> | S54567-K756 |
| VIS3I-EXP | <p>VC-3E Visilynx 3i ISU Expansion Cable</p> <p>The expansion cable is used to connect two 32 x 8 V3i Integrated System Units (ISUs) together to form a 64 x 16 full matrix node. The cable links video and control signals between the ISUs and is the only cable required for linking.</p> <p>Length 1.00 m Weight 0.70 kg</p> | S54567-K755 |
| VIS3-Alarmbox | <p>VISILYNX Alarm Input Panel</p> <p>The alarm panel is designed to fit into a standard 19" rack cabinet. 128 Inputs for interfacing the VISILYNX ALARM INPUT PANEL with the V3I Matrix, the additional 37-way alarm cable VC-alarm, that is not part of the delivery, is required.</p> <p>Inputs Max. 128 Weight 0.70 kg</p> | S54567-F759 |
| VIS3-ALMCAB | <p>VC-Alarm Visilynx 3 Alarm Cable</p> <p>Visilynx 3 alarm cable</p> <p>Length 1.00 m Weight 0.24 kg</p> | S54567-K757 |
| VIS3-PCCONCAB | <p>VC-PCCON Visilynx 3 PCCON Cable</p> <p>The PCCON cable is used to interface the VISILYNX 3 to a PCCON control device.</p> <p>Length 3.00 m Weight 0.18 kg</p> | S54567-K752 |
| VIS3-CONF | <p>VC-3CONFIG VISILYNX 3 Conf. Cable</p> <p>Weight 0.70 kg Length 2.00 m</p> | S54567-K754 |

Matrix Switching Systems

Accessories Matrix Switching Systems



| Type | Order No. |
|---|------------------------------|
| <p>VIS3-QUAD</p> <p>Visilynx 3 Colour Quad Module</p> <p>Displays four, high-resolution colour pictures on a single Visilynx 3 video output in real time, with each segment controllable from the Visilynx keyboard as a separate monitor number. Will display the inputs in quad format in a specified order, or any one input as full-screen. One or two quad cards can be fitted in a Visilynx 3 Integrated System Unit (VIS3-ISU), separate composite and S-Video outputs are available on the rear panel. Each segment can be independently frozen. Time-base correction of video inputs ensures high-quality pictures without the need for external camera synchronisation. Each picture segment is frozen when the source input is switched, in both full-screen and quad mode, to prevent picture roll. All the inputs have AGC to preserve clear images independent of differences in picture levels. Colour text insertion on the monitor output. Self-test fault diagnostics.</p> <p>Inputs 4 from the 16 available from the Visilynx Integrated System Unit. Inputs time-base corrected and with AGC.</p> <p>Outputs Separate composite and S-Video outputs available. Will display 4 inputs in quad format in a specified order, or any 1 input as full-screen. Each segment can be independently frozen.</p> <p>Dimensions 220 x 100 mm (3U Eurocard)</p> <p>Weight 0.14 kg</p> | <p>S54567-B753-A1</p> |

Recording systems SISTORE AX ...



SISTORE AX Watch

Allows live remote viewing of cameras from single or multiple sites, including full PTZ control.

... for up to 16 cameras.

Recording Systems



SISTORE – innovation and technology for recording in all applications, from standalone to networked


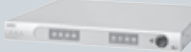


The range of SISTORE™ digital video systems provide digital surveillance and image recording that can be used in a multitude of applications. This can be from small shops, to shopping centres, offices or large scale industrial facilities – the systems are designed with system performance and reliability, to meet the demanding security needs required for today's applications.

The SISTORE range consists of two key system areas: digital recording and networked video. For digital recording, there are two families of products available: SISTORE MX (a hybrid recording system for both analogue and digital cameras, 64 cameras in total per unit) and SISTORE AX (a traditional digital recording system for up to 16 cameras per unit). For networked video, there is the SISTORE CX family, an intelligent digital video CODEC capable of performing multiple tasks simultaneously over a network, for up to 8 cameras per unit.

- SISTORE MX – hybrid recording system
- SISTORE CX – intelligent digital video codec
- SISTORE AX – traditional digital recorder

Recording Systems


Digital Video Recorders

| | SISTORE AX4 Lite | SISTORE AX4 160/100 | SISTORE AX8/AX16 250/100 | SISTORE AX9/AX16 250/200 |
|---|---|---|---|---|
| |  |  |  |  |
| Display | | | | |
| Video inputs with looping outputs | 4 | 4 | 8/16 | 9/16 |
| Monitor outputs | 1 x Main monitor | 1 x Main monitor | 1 x Main monitor, 1 x Spot | 1 x Main monitor, 4 x Spot |
| Audio inputs and outputs | | 4 and 1 | | 4 and 1 |
| Freeze/zoom image | ■ | ■ | ■ | ■ |
| Live display formats | 1 (full screen), 2 x 2 (quad) | 1 (full screen), 2 x 2 (quad) | 1 (full screen), Picture-in-Picture (PiP), 2 x 2 (quad), 3 x 3 (nono), 4 x 4 (hex) | 1 (full screen), Picture-in-Picture (PiP), 2 x 2 (quad), 3 x 3 (nono), 4 x 4 (hex) |
| Covert camera mode | ■ | ■ | ■ | ■ |
| Recording | | | | |
| Maximum recording speed – no local playback | 100 ips | 100 ips | 100 ips | 200 ips |
| Maximum recording speed – during local playback | 50 ips | 50 ips | 25 ips | 100 ips |
| Maximum recording speed – playback via RAS software | 100 ips | 100 ips | 100 ips | 200 ips |
| Panic button (recording) | ■ | ■ | | ■ |
| Triplex mode | | | | ■ |
| Alarms | | | | |
| Alarm inputs and outputs | 4 and 2 | 4 and 2 | 8/16 and 2/2 | 9/16 and 9/16 |
| Video loss detection | ■ | ■ | ■ | ■ |
| Activity detection | 192 zones | 192 zones | 192 zones | 256 zones |
| Internal buzzer | ■ | ■ | ■ | ■ |
| Alarm log | ■ | ■ | ■ | ■ |
| Watchdog alarm (system/hard drive) | ■ | ■ | ■ | ■ |
| S.M.A.R.T. self-diagnosis | ■ | ■ | ■ | ■ |
| Operation | | | | |
| PTZ/dome control | | ■ | ■ | ■ |
| Fast forward/rewind control | 3 speed levels adjustable | 3 speed levels adjustable | 3 speed levels adjustable | 3 speed levels adjustable |
| Password protection | 2 user levels | 2 user levels | Customisable, 64 user groups, 256 users per group | Customisable, 64 user groups, 256 users per group |
| Remote keyboard control | ■ | ■ | ■ | ■ |
| Infrared remote control or mouse | IR remote control | | Mouse | ■ |
| Connection options | | | | |
| Ethernet LAN/WAN (10/100 Mbps) | ■ | ■ | ■ | ■ |
| External modem (ISDN/PSTN) | ■ | ■ | ■ | ■ |
| Remote control via RAS (license-free) | ■ | ■ | ■ | ■ |
| Text overlay interface (ATM, POS) | ■ | ■ | ■ | ■ |
| Export/backup | | | | |
| Export of images via network | Clip-Player, AVI, JPG or BMP | Clip-Player, AVI, JPG, BMP | Clip-Player, AVI, JPG, BMP | Clip-Player, AVI, JPG, BMP |
| Image backup/archive | via USB | via USB | via USB/DVD writer (int.) | via USB/SCSI/DVD writer (int.) |
| Hard disk expansion possibility | | ■ | ■ | ■ |

Recording Systems



Digital Video Recorders



| Type | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|-----------------|---|--------------|---|--------------------|--|--------------|---|---------------|-----------------------|------------|---|--------------------|--|------------------------|----------------------------------|---------|--------------------------------|-----------------|--------------------------------|------------------------|---------------------|-------------------|------|--------------------|---------------------------------------|--------|---------|----------------|
| SISTORE AX.. | Digital Video Recorder Compression MPEG4 | SISTORE AX.. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AX4 Lite 250/100 | <p>SISTORE AX4 Lite, 250 GB, 100 ips</p> <p>As SISTORE AX.. for technical details, but with the following differences:</p> <p>SISTORE AX4 Lite is a Digital Video Recorder (DVR) with four video inputs in a compact desktop housing. The device combines real-time recording across all cameras with a great deal of functionality in one box. SISTORE AX4 Lite is configured and operated via front panel buttons, IR remote control, remote keyboard, or Remote Access Software (RAS). The device allows the recording of up to 100 images per second for time-lapse, event-based or pre-event recordings. Maximum recording resolution is 4CIF. The unit is capable of controlling PTZ cameras.</p>  <table border="0"> <tr> <td>Recording speed</td> <td>Max. 100 ips (PAL) Max. 120 ips (NTSC)</td> </tr> <tr> <td>Video inputs</td> <td>4 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through</td> </tr> <tr> <td>Resolution (H x V)</td> <td>4CIF: 704 x 576 2CIF: 704 x 288 CIF: 352 x 288</td> </tr> <tr> <td>Alarm inputs</td> <td>4</td> </tr> <tr> <td>Alarm outputs</td> <td>1 (NO or NC contacts)</td> </tr> <tr> <td>Interfaces</td> <td>1 USB 2.0 / 1 RS232 / 1 RS485 / 1 Ethernet</td> </tr> <tr> <td>Hard disk capacity</td> <td>250 GB (max. capacity 500 GB with 1 x 500 GB kit)</td> </tr> <tr> <td>Backup recording media</td> <td>USB 2.0 (hard disk, CD-R, Flash)</td> </tr> <tr> <td>Display</td> <td>1 (full screen) / 2 x 2 (quad)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 BNC, 1 VGA: 800 x 600 (60Hz)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>340 x 46.5 x 310 mm</td> </tr> <tr> <td>Power consumption</td> <td>30 W</td> </tr> <tr> <td>Power requirements</td> <td>100 - 240 V AC, 0.4 - 0.8 A, 50/60 Hz</td> </tr> <tr> <td>Weight</td> <td>3.00 kg</td> </tr> </table> | Recording speed | Max. 100 ips (PAL) Max. 120 ips (NTSC) | Video inputs | 4 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through | Resolution (H x V) | 4CIF: 704 x 576 2CIF: 704 x 288 CIF: 352 x 288 | Alarm inputs | 4 | Alarm outputs | 1 (NO or NC contacts) | Interfaces | 1 USB 2.0 / 1 RS232 / 1 RS485 / 1 Ethernet | Hard disk capacity | 250 GB (max. capacity 500 GB with 1 x 500 GB kit) | Backup recording media | USB 2.0 (hard disk, CD-R, Flash) | Display | 1 (full screen) / 2 x 2 (quad) | Monitor outputs | 1 BNC, 1 VGA: 800 x 600 (60Hz) | Dimensions (W x H x D) | 340 x 46.5 x 310 mm | Power consumption | 30 W | Power requirements | 100 - 240 V AC, 0.4 - 0.8 A, 50/60 Hz | Weight | 3.00 kg | S54569-C50-A13 |
| Recording speed | Max. 100 ips (PAL) Max. 120 ips (NTSC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Video inputs | 4 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resolution (H x V) | 4CIF: 704 x 576 2CIF: 704 x 288 CIF: 352 x 288 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 1 (NO or NC contacts) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interfaces | 1 USB 2.0 / 1 RS232 / 1 RS485 / 1 Ethernet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 250 GB (max. capacity 500 GB with 1 x 500 GB kit) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Backup recording media | USB 2.0 (hard disk, CD-R, Flash) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Display | 1 (full screen) / 2 x 2 (quad) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 BNC, 1 VGA: 800 x 600 (60Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 340 x 46.5 x 310 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 30 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC, 0.4 - 0.8 A, 50/60 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 3.00 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Recording Systems

Digital Video Recorders

| Type | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--------------|--|--------------------|-----------------------------------|--------------|----|-----------------|---|------------------------|---|------------------------|--|--------------------|--|--------------------|-------------------------------|--------|----------|--|
| AX8 250/100  | S54569-C71-B13 | | | | | | | | | | | | | | | | | | | | |
| <p>SISTORE AX8, DVD, 250 GB, 100 ips</p> <p>As SISTORE AX.. for technical details, but with the following differences:</p> <p>SISTORE AX with internal DVD writer is a multifunctional digital recording system with a recording speed of up to 100 images per second for time lapse, event-driven and pre-alarm recordings. The intuitive user interface and front panel control ensure a fast installation and simple operation. With integral USB interfaces it is possible to backup video data on hard disk drives, CD-R or flash drives. Various network interfaces allow remote access to the system, furthermore PTZ cameras and CKA4820 remote keyboards can be connected.</p> <table border="0"> <tr> <td>Recording speed</td> <td>Max. 100 ips (PAL) Max. 120 ips (NTSC)</td> </tr> <tr> <td>Video inputs</td> <td>8 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through</td> </tr> <tr> <td>Resolution (H x V)</td> <td>2CIF: 704 x 288 CIF: 352 x 288</td> </tr> <tr> <td>Alarm inputs</td> <td>8</td> </tr> <tr> <td>Monitor outputs</td> <td>1 Composite, 1 SPOT 1 VGA: 800 x 600 (60 Hz)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>430 x 88 x 405 mm</td> </tr> <tr> <td>Power consumption</td> <td>80 W (100 W when 3 hard disk drives are installed)</td> </tr> <tr> <td>Power requirements</td> <td>100 - 240 V AC, 2 A, 50/60 Hz</td> </tr> <tr> <td>Weight</td> <td>10.20 kg</td> </tr> </table> | Recording speed | Max. 100 ips (PAL) Max. 120 ips (NTSC) | Video inputs | 8 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through | Resolution (H x V) | 2CIF: 704 x 288 CIF: 352 x 288 | Alarm inputs | 8 | Monitor outputs | 1 Composite, 1 SPOT 1 VGA: 800 x 600 (60 Hz) | Dimensions (W x H x D) | 430 x 88 x 405 mm | Power consumption | 80 W (100 W when 3 hard disk drives are installed) | Power requirements | 100 - 240 V AC, 2 A, 50/60 Hz | Weight | 10.20 kg | | | |
| Recording speed | Max. 100 ips (PAL) Max. 120 ips (NTSC) | | | | | | | | | | | | | | | | | | | | |
| Video inputs | 8 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through | | | | | | | | | | | | | | | | | | | | |
| Resolution (H x V) | 2CIF: 704 x 288 CIF: 352 x 288 | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 8 | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 Composite, 1 SPOT 1 VGA: 800 x 600 (60 Hz) | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 430 x 88 x 405 mm | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 80 W (100 W when 3 hard disk drives are installed) | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC, 2 A, 50/60 Hz | | | | | | | | | | | | | | | | | | | | |
| Weight | 10.20 kg | | | | | | | | | | | | | | | | | | | | |
| AX16 250/100  | S54569-C91-B13 | | | | | | | | | | | | | | | | | | | | |
| <p>SISTORE AX16, DVD, 250 GB, 100 ips</p> <p>As SISTORE AX.. for technical details, but with the following differences:</p> <p>SISTORE AX with internal DVD writer is a multifunctional digital recording system with a recording speed of up to 100 images per second for time lapse, event-driven and pre-alarm recordings. The intuitive user interface and front panel control ensure a fast installation and simple operation. With integral USB interfaces it is possible to backup video data on hard disk drives, CD-R or flash drives. Various network interfaces allow remote access to the system, furthermore PTZ cameras and CKA4820 remote keyboards can be connected.</p> <table border="0"> <tr> <td>Recording speed</td> <td>Max. 100 ips (PAL) Max. 120 ips (NTSC)</td> </tr> <tr> <td>Video inputs</td> <td>16 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through</td> </tr> <tr> <td>Resolution (H x V)</td> <td>2CIF: 704 x 288 CIF: 352 x 288</td> </tr> <tr> <td>Alarm inputs</td> <td>16</td> </tr> <tr> <td>Alarm outputs</td> <td>2 (NO or NC contacts)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 Composite, 1 SPOT 1 VGA: 800 x 600 (60 Hz)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>430 x 88 x 405 mm</td> </tr> <tr> <td>Power consumption</td> <td>80 W (100 W when 3 hard disk drives are installed)</td> </tr> <tr> <td>Power requirements</td> <td>100 - 240 V AC, 2 A, 50/60 Hz</td> </tr> <tr> <td>Weight</td> <td>10.20 kg</td> </tr> </table> | Recording speed | Max. 100 ips (PAL) Max. 120 ips (NTSC) | Video inputs | 16 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through | Resolution (H x V) | 2CIF: 704 x 288 CIF: 352 x 288 | Alarm inputs | 16 | Alarm outputs | 2 (NO or NC contacts) | Monitor outputs | 1 Composite, 1 SPOT 1 VGA: 800 x 600 (60 Hz) | Dimensions (W x H x D) | 430 x 88 x 405 mm | Power consumption | 80 W (100 W when 3 hard disk drives are installed) | Power requirements | 100 - 240 V AC, 2 A, 50/60 Hz | Weight | 10.20 kg | |
| Recording speed | Max. 100 ips (PAL) Max. 120 ips (NTSC) | | | | | | | | | | | | | | | | | | | | |
| Video inputs | 16 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through | | | | | | | | | | | | | | | | | | | | |
| Resolution (H x V) | 2CIF: 704 x 288 CIF: 352 x 288 | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 16 | | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 2 (NO or NC contacts) | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 Composite, 1 SPOT 1 VGA: 800 x 600 (60 Hz) | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 430 x 88 x 405 mm | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 80 W (100 W when 3 hard disk drives are installed) | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V AC, 2 A, 50/60 Hz | | | | | | | | | | | | | | | | | | | | |
| Weight | 10.20 kg | | | | | | | | | | | | | | | | | | | | |



Type

Order No.

AX8 500/200

SISTORE AX8, DVD, 500 GB, 200 ips

S54569-C70-B2




As SISTORE AX.. for technical details, but with the following differences:

SISTORE AX with internal DVD writer is a multifunctional digital recording system with a recording speed of up to 200 images per second for time lapse, event-driven and pre-alarm recordings together with the recording of four audio channels. The intuitive user interface and front panel control ensure a fast installation and simple operation. With integral USB and SCSI interfaces it is possible to backup video data on hard disk drives, CD-R or flash drives. Various network interfaces allow remote access to the system, furthermore PTZ cameras and CKA4820 remote keyboards can be connected. Maximum recorded resolution is 4CIF.



| | |
|------------------------|---|
| Recording speed | Max. 200 ips (PAL) Max. 240 ips (NTSC) |
| Video inputs | 8 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through |
| Resolution (H x V) | 4CIF: 704 x 576 2CIF: 704 x 288 CIF: 352 x 288 |
| Audio inputs | 4 |
| Alarm inputs | 8 |
| Alarm outputs | 7 TTL open collector (NO or NC) / 1 relay output (NO or NC) |
| Interfaces | 3 USB / 1 SCSI / 1 RS485 / 1 RS232 / 1 Ethernet |
| Hard disk capacity | 500 GB (expandable: max. 3 x 500 GB = 1.5 TB total) |
| Backup recording media | USB 2.0 (hard disk, CD-R, Flash), SCSI (RAID), internal DVD writer |
| Display | 1 (full screen) / 2 x 2 (quad) / 3 x 3 (multi screen) / PiP |
| Monitor outputs | 1 Composite, 1 S-Video Y/C, 1 VGA: 800 x 600 (60 Hz) |
| Dimensions (W x H x D) | 430 x 88 x 405 mm |
| Power consumption | 85 W (120 W when 3 hard disk drives are installed) |
| Power requirements | 100 - 240 V AC, 2 A, 50/60 Hz |
| Weight | 10.20 kg |

Recording Systems

Digital Video Recorders


| Type | Order No. |
|--|---|
| AX16 500/200  | S54569-C90-B2 |
| SISTORE AX16, DVD, 500 GB, 200 ips | |
| As SISTORE AX.. for technical details, but with the following differences: | |
| SISTORE AX with internal DVD writer is a multifunctional digital recording system with a recording speed of up to 200 images per second for time lapse, event-driven and pre-alarm recordings together with the recording of four audio channels. The intuitive user interface and front panel control ensure a fast installation and simple operation. With integral USB and SCSI interfaces it is possible to backup video data on hard disk drives, CD-R or flash drives. Various network interfaces allow remote access to the system, furthermore PTZ cameras and CKA4820 remote keyboards can be connected. Maximum recorded resolution is 4CIF. | |
| Recording speed | Max. 200 ips (PAL) Max. 240 ips (NTSC) |
| Video inputs | 16 PAL/NTSC (auto-detect), BNC (75 Ohm), looped through |
| Resolution (H x V) | 4CIF: 704 x 576 2CIF: 704 x 288 CIF: 352 x 288 |
| Audio inputs | 4 |
| Alarm inputs | 16 |
| Alarm outputs | 15 TTL open collector (NO or NC) / 1 relay output (NO or NC) |
| Interfaces | 3 USB / 1 SCSI / 1 RS485 / 1 RS232 / 1 Ethernet |
| Hard disk capacity | 500 GB (expandable: max. 3 x 500 GB = 1.5 TB total) |
| Backup recording media | USB 2.0 (hard disk, CD-R, Flash), SCSI (RAID), internal DVD writer |
| Display | 1 (full screen) / 2 x 2 (quad) / 3 x 3, 4 x 4 (multi screen) / PiP |
| Monitor outputs | 1 Composite, 1 S-Video Y/C, 1 VGA: 800 x 600 (60 Hz), 4 SPOT |
| Dimensions (W x H x D) | 430 x 88 x 405 mm |
| Power consumption | 85 W (120 W when 3 hard disk drives are installed) |
| Power requirements | 100 - 240 V AC, 2 A, 50/60 Hz |
| Weight | 10.20 kg |



| | SISTORE MX3208 250/200 SISTORE MX3216 500/200 SISTORE MX3232 1000/200 | SISTORE MX3204 *250/150 DVD SISTORE MX3208 250/200 DVD SISTORE MX3216 500/200 DVD SISTORE MX3232 1000/200 DVD |
|---|---|--|
| |  |  |
| Display | | |
| Video inputs (analogue) | 8/16/32 | 4/8/16/32 |
| Video inputs (digital IP/Ethernet) | 32 | 32 |
| Monitor outputs | 5 (4 x BNC, 1 x VGA) | *3 (2 x BNC, 1 x VGA), 5 (4 x BNC, 1 x VGA) |
| Audio inputs/outputs | 1 | 1 |
| Video recording resolution (H x V) | 704 x 288 (high) 384 x 288 (standard) max. 2048 x 1536 (IP megapixel) | 704 x 288 (high) 384 x 288 (standard) max. 2048 x 1536 (IP megapixel) |
| Live display formats | 1 (full screen), 2 x 2 (quad), 1 + 5, 3 x 3, 2 x 8, 4 x 9, 4 x 4, 6 x 6 - 4 | 1 (full screen), 2 x 2 (quad), 1 + 5, 3 x 3, 2 x 8, 4 x 9, 4 x 4, 6 x 6 - 4 |
| Covert camera mode | ■ | ■ |
| Recording | | |
| Maximum recording speed – no local playback | 100 ips – analogue cameras 100 ips – IP cameras | 100 ips – analogue cameras 100 ips – IP cameras |
| Maximum recording speed – during local playback | 100 ips – analogue cameras 100 ips – IP cameras | 100 ips – analogue cameras 100 ips – IP cameras |
| Maximum recording speed – playback via RemoteView software | 100 ips – analogue cameras 100 ips – IP cameras | 100 ips – analogue cameras 100 ips – IP cameras |
| Recording schedules | user-defined | user-defined |
| Alarms | | |
| Alarm inputs | 32 | *16/32 |
| Digital inputs | 8 | *4/8 |
| Alarm outputs | 16 | *8/16 |
| Video loss detection | ■ | ■ |
| Activity detection | > 25,000 zones | > 25,000 zones |
| Internal buzzer | ■ | ■ |
| Alarm log | ■ | ■ |
| Sabotage detection | ■ | ■ |
| Controls | | |
| SmartSearch | ■ | ■ |
| PTZ/dome control | ■ | ■ |
| Fast forward/rewind controls | x0.1 to x50 speed | x0.1 to x50 speed |
| Comprehensive user management | ■ | ■ |
| Connectivity | | |
| Ethernet LAN/WAN connector | ■ | ■ |
| External modem connector (ISDN) | via USB | via USB |
| RemoteView software (license-free) | ■ | ■ |
| VSS-SDK/IVM/MM8000 | ■ | ■ |
| SiPass access control interface | ■ | ■ |
| Export/backup | | |
| Image export | JPG, AVI, K26 | JPG, AVI, K26 |
| Image backup/archive | USB to CD/DVD burner/SCSI | Internal DVD burner/SCSI |
| Max. hard disk capacity (int.) | 2 TB (dependent on model) | 1.5 TB (dependent on model) |

Recording Systems

Digital Video Recorders

| Type | Order No. | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------------------------------|--------------------|---|------------------------|-------------------------|--------------------|--|-------------------|--|-----------------|---|---------------|-----|------------------------|-------------------|--------------------|----------------------------------|-------------------------------|-------|--------|----------|--------------------------------|
| <p>SISTORE MX DVD..</p>  <p>Hybrid Video Recording System</p> <p>SISTORE MX is a flexible, hybrid surveillance system. It allows recording of analogue as well as digital cameras. The device has an integrated CD/DVD burner. The remote access software RemoteView allows simultaneous display of up to 32 live images from different SISTORE MX devices. The SmartSearch function enables search within recorded material via different parameters. A sabotage recognition notifies the SISTORE MX in case of tampering with the connected cameras. The standardised software interface allows the connection to various other systems, e.g. the control via video software IVM or connection to the access control system SiPass.</p> <table border="0"> <tr> <td>Compression</td> <td>MJPEG</td> </tr> <tr> <td>Resolution (H x V)</td> <td>High: 704 x 288 Standard: 352 x 288 IP megapixel: 2048 x 1536</td> </tr> <tr> <td>Backup recording media</td> <td>USB/Network/SCSI/CD/DVD</td> </tr> <tr> <td>Display resolution</td> <td>1024 x 768, 1280 x 1024</td> </tr> <tr> <td>Watchdog function</td> <td>Hardware/software</td> </tr> <tr> <td>Interfaces</td> <td>1 SCSI / 1 RS485 / 1 LAN / 4 USB / 1 Mic</td> </tr> <tr> <td>Zoom function</td> <td>Yes</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>430 x 87 x 370 mm</td> </tr> <tr> <td>Power requirements</td> <td>100 - 240 V, 50/60 Hz</td> </tr> <tr> <td>Power consumption</td> <td>120 W</td> </tr> <tr> <td>Weight</td> <td>11.00 kg</td> </tr> </table> | Compression | MJPEG | Resolution (H x V) | High: 704 x 288 Standard: 352 x 288 IP megapixel: 2048 x 1536 | Backup recording media | USB/Network/SCSI/CD/DVD | Display resolution | 1024 x 768, 1280 x 1024 | Watchdog function | Hardware/software | Interfaces | 1 SCSI / 1 RS485 / 1 LAN / 4 USB / 1 Mic | Zoom function | Yes | Dimensions (W x H x D) | 430 x 87 x 370 mm | Power requirements | 100 - 240 V, 50/60 Hz | Power consumption | 120 W | Weight | 11.00 kg | <p>SISTORE MX DVD..</p> |
| Compression | MJPEG | | | | | | | | | | | | | | | | | | | | | | |
| Resolution (H x V) | High: 704 x 288 Standard: 352 x 288 IP megapixel: 2048 x 1536 | | | | | | | | | | | | | | | | | | | | | | |
| Backup recording media | USB/Network/SCSI/CD/DVD | | | | | | | | | | | | | | | | | | | | | | |
| Display resolution | 1024 x 768, 1280 x 1024 | | | | | | | | | | | | | | | | | | | | | | |
| Watchdog function | Hardware/software | | | | | | | | | | | | | | | | | | | | | | |
| Interfaces | 1 SCSI / 1 RS485 / 1 LAN / 4 USB / 1 Mic | | | | | | | | | | | | | | | | | | | | | | |
| Zoom function | Yes | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 430 x 87 x 370 mm | | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V, 50/60 Hz | | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 120 W | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 11.00 kg | | | | | | | | | | | | | | | | | | | | | | |
| <p>MX3204 250/150 DVD</p> <p>SISTORE MX DVD 3204, 250 GB, 150 ips</p> <p>As SISTORE MX DVD.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Recording speed</td> <td>150 ips (50 analogue / 100 digital)</td> </tr> <tr> <td>Digital inputs</td> <td>4</td> </tr> <tr> <td>Digital outputs</td> <td>0</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 4 FBAS (composite), 1 V_{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface</td> </tr> <tr> <td>Camera inputs</td> <td>32 digital (IP cameras connected via network), 4 analogue (additional activation of 3 x 4 analogue inputs possible)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 VGA, 2 BNC</td> </tr> <tr> <td>Alarm inputs</td> <td>16</td> </tr> <tr> <td>Alarm outputs</td> <td>8</td> </tr> <tr> <td>Hard disk capacity</td> <td>250 GB (expandable max. 1.25 TB)</td> </tr> </table> | Recording speed | 150 ips (50 analogue / 100 digital) | Digital inputs | 4 | Digital outputs | 0 | Video inputs | Analogue: 4 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | Camera inputs | 32 digital (IP cameras connected via network), 4 analogue (additional activation of 3 x 4 analogue inputs possible) | Monitor outputs | 1 VGA, 2 BNC | Alarm inputs | 16 | Alarm outputs | 8 | Hard disk capacity | 250 GB (expandable max. 1.25 TB) | <p>S24245-F5085-A1</p> | | | | |
| Recording speed | 150 ips (50 analogue / 100 digital) | | | | | | | | | | | | | | | | | | | | | | |
| Digital inputs | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Digital outputs | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 4 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | | | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 32 digital (IP cameras connected via network), 4 analogue (additional activation of 3 x 4 analogue inputs possible) | | | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 VGA, 2 BNC | | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 16 | | | | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 8 | | | | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 250 GB (expandable max. 1.25 TB) | | | | | | | | | | | | | | | | | | | | | | |

Recording Systems

Digital Video Recorders



| Type | | Order No. | | | | | | | | | | | | | | | | | | |
|---------------------------|---|-----------------|--|----------------|---|-----------------|---|--------------|--|---------------|---|-----------------|--------------|--------------|----|---------------|----|--------------------|----------------------------------|------------------------|
| MX3208 250/200 DVD | <p>SISTORE MX DVD 3208, 250 GB, 200 ips</p> <p>As SISTORE MX DVD.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Recording speed</td> <td>200 ips (100 ips analogue / 100 ips digital)</td> </tr> <tr> <td>Digital inputs</td> <td>8</td> </tr> <tr> <td>Digital outputs</td> <td>0</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 8 FBAS (composite), 1 V_{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface</td> </tr> <tr> <td>Camera inputs</td> <td>32 digital (IP cameras connected via network), 8 analogue (additional activation of 3 x 8 analogue inputs possible)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 VGA, 4 BNC</td> </tr> <tr> <td>Alarm inputs</td> <td>32</td> </tr> <tr> <td>Alarm outputs</td> <td>16</td> </tr> <tr> <td>Hard disk capacity</td> <td>250 GB (expandable max. 1.25 TB)</td> </tr> </table> | Recording speed | 200 ips (100 ips analogue / 100 ips digital) | Digital inputs | 8 | Digital outputs | 0 | Video inputs | Analogue: 8 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | Camera inputs | 32 digital (IP cameras connected via network), 8 analogue (additional activation of 3 x 8 analogue inputs possible) | Monitor outputs | 1 VGA, 4 BNC | Alarm inputs | 32 | Alarm outputs | 16 | Hard disk capacity | 250 GB (expandable max. 1.25 TB) | S24245-F5085-A3 |
| Recording speed | 200 ips (100 ips analogue / 100 ips digital) | | | | | | | | | | | | | | | | | | | |
| Digital inputs | 8 | | | | | | | | | | | | | | | | | | | |
| Digital outputs | 0 | | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 8 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 32 digital (IP cameras connected via network), 8 analogue (additional activation of 3 x 8 analogue inputs possible) | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 VGA, 4 BNC | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32 | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 16 | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 250 GB (expandable max. 1.25 TB) | | | | | | | | | | | | | | | | | | | |
| MX3216 500/200 DVD | <p>SISTORE MX DVD 3216, 500 GB, 200 ips</p> <p>As SISTORE MX DVD.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Recording speed</td> <td>200 ips (100 ips analogue / 100 ips digital)</td> </tr> <tr> <td>Digital inputs</td> <td>8</td> </tr> <tr> <td>Digital outputs</td> <td>0</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 16 FBAS (composite), 1 V_{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface</td> </tr> <tr> <td>Camera inputs</td> <td>32 digital (IP cameras connected via network), 16 analogue (additional activation of 2 x 8 analogue inputs possible)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 VGA, 4 BNC</td> </tr> <tr> <td>Alarm inputs</td> <td>32</td> </tr> <tr> <td>Alarm outputs</td> <td>16</td> </tr> <tr> <td>Hard disk capacity</td> <td>500 GB (expandable max. 1.25 TB)</td> </tr> </table> | Recording speed | 200 ips (100 ips analogue / 100 ips digital) | Digital inputs | 8 | Digital outputs | 0 | Video inputs | Analogue: 16 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | Camera inputs | 32 digital (IP cameras connected via network), 16 analogue (additional activation of 2 x 8 analogue inputs possible) | Monitor outputs | 1 VGA, 4 BNC | Alarm inputs | 32 | Alarm outputs | 16 | Hard disk capacity | 500 GB (expandable max. 1.25 TB) | S24245-F5085-A5 |
| Recording speed | 200 ips (100 ips analogue / 100 ips digital) | | | | | | | | | | | | | | | | | | | |
| Digital inputs | 8 | | | | | | | | | | | | | | | | | | | |
| Digital outputs | 0 | | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 16 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 32 digital (IP cameras connected via network), 16 analogue (additional activation of 2 x 8 analogue inputs possible) | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 VGA, 4 BNC | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32 | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 16 | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 500 GB (expandable max. 1.25 TB) | | | | | | | | | | | | | | | | | | | |

Recording Systems

Digital Video Recorders

| Type | Order No. | | | | | | | | | | | | | | | | | | |
|---|--|--|----------------|---|-----------------|---|--------------|--|---------------|---|-----------------|--------------|--------------|----|---------------|----|--------------------|-----------------------------------|-------------------------------|
| <p>MX3232 1000/200 DVD SISTORE MX DVD 3232, 1000 GB, 200 ips</p> <p>As SISTORE MX DVD.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Recording speed</td> <td>200 ips (100 ips analogue / 100 ips digital)</td> </tr> <tr> <td>Digital inputs</td> <td>8</td> </tr> <tr> <td>Digital outputs</td> <td>0</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 32 FBAS (composite), 1 V_{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface</td> </tr> <tr> <td>Camera inputs</td> <td>32 digital (IP cameras connected via network), 32 analogue</td> </tr> <tr> <td>Monitor outputs</td> <td>1 VGA, 4 BNC</td> </tr> <tr> <td>Alarm inputs</td> <td>32</td> </tr> <tr> <td>Alarm outputs</td> <td>16</td> </tr> <tr> <td>Hard disk capacity</td> <td>1000 GB (expandable max. 1.25 TB)</td> </tr> </table> | Recording speed | 200 ips (100 ips analogue / 100 ips digital) | Digital inputs | 8 | Digital outputs | 0 | Video inputs | Analogue: 32 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | Camera inputs | 32 digital (IP cameras connected via network), 32 analogue | Monitor outputs | 1 VGA, 4 BNC | Alarm inputs | 32 | Alarm outputs | 16 | Hard disk capacity | 1000 GB (expandable max. 1.25 TB) | <p>S24245-F5085-A7</p> |
| Recording speed | 200 ips (100 ips analogue / 100 ips digital) | | | | | | | | | | | | | | | | | | |
| Digital inputs | 8 | | | | | | | | | | | | | | | | | | |
| Digital outputs | 0 | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 32 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP-camera inputs via network interface | | | | | | | | | | | | | | | | | | |
| Camera inputs | 32 digital (IP cameras connected via network), 32 analogue | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 VGA, 4 BNC | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32 | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 16 | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 1000 GB (expandable max. 1.25 TB) | | | | | | | | | | | | | | | | | | |

Recording systems SISTORE MX ...



SISTORE MX viewer


Display up to 64 images, clear system status indications, includes full PTZ control.




... for 4, 8, 16, 24 and 32 cameras
and 32 IP cameras.

Recording Systems

Digital Video Recorders

| Type | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--------------------|--|-------------------|-------------------|---------------|-----|------------------------|--|--------------------|-------------------------|-----------------|--|------------------------|----------------------------------|--------------------|-----------------------|-------------------|----------|-----------------|
| <p>SISTORE MX..</p>  <p>Hybrid Video Recording System</p> <p>SISTORE MX is a flexible, hybrid surveillance system. It allows recording of analogue as well as digital cameras. The remote access software RemoteView allows simultaneous display of up to 32 live images from different SISTORE MX devices. The SmartSearch function enables search within recorded material via different parameters. A sabotage recognition notifies the SISTORE MX in case of tampering with the connected cameras. The standardised software interface allows the connection to various other systems, e.g. the control via video software IVM or connection to the access control system SiPass.</p> <table border="0"> <tr> <td>Compression</td> <td>MJPEG</td> </tr> <tr> <td>Resolution (H x V)</td> <td>High: 704 x 288 Standard: 352 x 288 IP megapixel: 2048 x 1536</td> </tr> <tr> <td>Watchdog function</td> <td>Hardware/software</td> </tr> <tr> <td>Zoom function</td> <td>Yes</td> </tr> <tr> <td>Backup recording media</td> <td>USB (CD, DVD, HDD) / Network / SCSI</td> </tr> <tr> <td>Display resolution</td> <td>1024 x 768, 1280 x 1024</td> </tr> <tr> <td>Interfaces</td> <td>1 SCSI / 1 RS485 / 1 LAN / 4 USB / 1 Mic</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>430 x 87 x 370 mm</td> </tr> <tr> <td>Power requirements</td> <td>100 - 240 V, 50/60 Hz</td> </tr> <tr> <td>Power consumption</td> <td>120 W</td> </tr> </table> | Compression | MJPEG | Resolution (H x V) | High: 704 x 288 Standard: 352 x 288 IP megapixel: 2048 x 1536 | Watchdog function | Hardware/software | Zoom function | Yes | Backup recording media | USB (CD, DVD, HDD) / Network / SCSI | Display resolution | 1024 x 768, 1280 x 1024 | Interfaces | 1 SCSI / 1 RS485 / 1 LAN / 4 USB / 1 Mic | Dimensions (W x H x D) | 430 x 87 x 370 mm | Power requirements | 100 - 240 V, 50/60 Hz | Power consumption | 120 W | SISTORE MX.. |
| Compression | MJPEG | | | | | | | | | | | | | | | | | | | | |
| Resolution (H x V) | High: 704 x 288 Standard: 352 x 288 IP megapixel: 2048 x 1536 | | | | | | | | | | | | | | | | | | | | |
| Watchdog function | Hardware/software | | | | | | | | | | | | | | | | | | | | |
| Zoom function | Yes | | | | | | | | | | | | | | | | | | | | |
| Backup recording media | USB (CD, DVD, HDD) / Network / SCSI | | | | | | | | | | | | | | | | | | | | |
| Display resolution | 1024 x 768, 1280 x 1024 | | | | | | | | | | | | | | | | | | | | |
| Interfaces | 1 SCSI / 1 RS485 / 1 LAN / 4 USB / 1 Mic | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 430 x 87 x 370 mm | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 240 V, 50/60 Hz | | | | | | | | | | | | | | | | | | | | |
| Power consumption | 120 W | | | | | | | | | | | | | | | | | | | | |
| <p>MX3208 250/200</p> <p>Hybrid Video Recording System</p> <p>As SISTORE MX.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Recording speed</td> <td>200 ips (100 ips analogue / 100 ips digital)</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 8 FBAS (composite), 1 V_{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface</td> </tr> <tr> <td>Alarm inputs</td> <td>32</td> </tr> <tr> <td>Alarm outputs</td> <td>16</td> </tr> <tr> <td>Camera inputs</td> <td>32 digital (IP cameras connected via network), 8 analogue (additional activation of 3 x 8 analogue inputs possible)</td> </tr> <tr> <td>Digital inputs</td> <td>8</td> </tr> <tr> <td>Digital outputs</td> <td>0</td> </tr> <tr> <td>Hard disk capacity</td> <td>250 GB (expandable max. 1.75 TB)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 VGA, 4 BNC</td> </tr> <tr> <td>Weight</td> <td>11.00 kg</td> </tr> </table> | Recording speed | 200 ips (100 ips analogue / 100 ips digital) | Video inputs | Analogue: 8 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface | Alarm inputs | 32 | Alarm outputs | 16 | Camera inputs | 32 digital (IP cameras connected via network), 8 analogue (additional activation of 3 x 8 analogue inputs possible) | Digital inputs | 8 | Digital outputs | 0 | Hard disk capacity | 250 GB (expandable max. 1.75 TB) | Monitor outputs | 1 VGA, 4 BNC | Weight | 11.00 kg | S24245-F5085-A2 |
| Recording speed | 200 ips (100 ips analogue / 100 ips digital) | | | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 8 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32 | | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 16 | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 32 digital (IP cameras connected via network), 8 analogue (additional activation of 3 x 8 analogue inputs possible) | | | | | | | | | | | | | | | | | | | | |
| Digital inputs | 8 | | | | | | | | | | | | | | | | | | | | |
| Digital outputs | 0 | | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 250 GB (expandable max. 1.75 TB) | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 VGA, 4 BNC | | | | | | | | | | | | | | | | | | | | |
| Weight | 11.00 kg | | | | | | | | | | | | | | | | | | | | |






| Type | | Order No. | | | | | | | | | | | | | | | | | | | | |
|--|---|-----------------|--|--------------------|---|--------------|--|--------------------------------|-----------|-------------------|---|--------------------|-------------------------|------------------------|-------------------|--------------------|-----------------------------------|------------------------|--------------|--------|----------|------------------------|
| MX3216 500/200 | <p>Hybrid Video Recording System</p> <p>As SISTORE MX.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Recording speed</td> <td>200 ips (100 ips analogue / 100 ips digital)</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 16 FBAS (composite), 1 V_{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface</td> </tr> <tr> <td>Alarm inputs</td> <td>32</td> </tr> <tr> <td>Alarm outputs</td> <td>16</td> </tr> <tr> <td>Camera inputs</td> <td>32 digital (IP cameras connected via network), 16 analogue (additional activation of 2 x 8 analogue inputs possible)</td> </tr> <tr> <td>Digital inputs</td> <td>8</td> </tr> <tr> <td>Digital outputs</td> <td>0</td> </tr> <tr> <td>Hard disk capacity</td> <td>500 GB (expandable max. 1.75 TB)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 VGA, 4 BNC</td> </tr> <tr> <td>Weight</td> <td>11.00 kg</td> </tr> </table> | Recording speed | 200 ips (100 ips analogue / 100 ips digital) | Video inputs | Analogue: 16 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface | Alarm inputs | 32 | Alarm outputs | 16 | Camera inputs | 32 digital (IP cameras connected via network), 16 analogue (additional activation of 2 x 8 analogue inputs possible) | Digital inputs | 8 | Digital outputs | 0 | Hard disk capacity | 500 GB (expandable max. 1.75 TB) | Monitor outputs | 1 VGA, 4 BNC | Weight | 11.00 kg | S24245-F5085-A4 |
| Recording speed | 200 ips (100 ips analogue / 100 ips digital) | | | | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 16 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32 | | | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 16 | | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 32 digital (IP cameras connected via network), 16 analogue (additional activation of 2 x 8 analogue inputs possible) | | | | | | | | | | | | | | | | | | | | | |
| Digital inputs | 8 | | | | | | | | | | | | | | | | | | | | | |
| Digital outputs | 0 | | | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 500 GB (expandable max. 1.75 TB) | | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 VGA, 4 BNC | | | | | | | | | | | | | | | | | | | | | |
| Weight | 11.00 kg | | | | | | | | | | | | | | | | | | | | | |
| MX3232 1000/200 | <p>Hybrid Video Recording System</p> <p>As SISTORE MX.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Recording speed</td> <td>200 ips (100 ips analogue / 100 ips digital)</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 32 FBAS (composite), 1 V_{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface</td> </tr> <tr> <td>Alarm inputs</td> <td>32</td> </tr> <tr> <td>Alarm outputs</td> <td>16</td> </tr> <tr> <td>Camera inputs</td> <td>32 digital (IP cameras connected via network), 32 analogue</td> </tr> <tr> <td>Digital inputs</td> <td>8</td> </tr> <tr> <td>Digital outputs</td> <td>0</td> </tr> <tr> <td>Hard disk capacity</td> <td>1000 GB (expandable max. 2.00 TB)</td> </tr> <tr> <td>Monitor outputs</td> <td>1 VGA, 4 BNC</td> </tr> <tr> <td>Weight</td> <td>11.00 kg</td> </tr> </table> | Recording speed | 200 ips (100 ips analogue / 100 ips digital) | Video inputs | Analogue: 32 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface | Alarm inputs | 32 | Alarm outputs | 16 | Camera inputs | 32 digital (IP cameras connected via network), 32 analogue | Digital inputs | 8 | Digital outputs | 0 | Hard disk capacity | 1000 GB (expandable max. 2.00 TB) | Monitor outputs | 1 VGA, 4 BNC | Weight | 11.00 kg | S24245-F5085-A6 |
| Recording speed | 200 ips (100 ips analogue / 100 ips digital) | | | | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 32 FBAS (composite), 1 V _{pp} (75 Ohm) Digital: 32 IP camera inputs via network interface | | | | | | | | | | | | | | | | | | | | | |
| Alarm inputs | 32 | | | | | | | | | | | | | | | | | | | | | |
| Alarm outputs | 16 | | | | | | | | | | | | | | | | | | | | | |
| Camera inputs | 32 digital (IP cameras connected via network), 32 analogue | | | | | | | | | | | | | | | | | | | | | |
| Digital inputs | 8 | | | | | | | | | | | | | | | | | | | | | |
| Digital outputs | 0 | | | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 1000 GB (expandable max. 2.00 TB) | | | | | | | | | | | | | | | | | | | | | |
| Monitor outputs | 1 VGA, 4 BNC | | | | | | | | | | | | | | | | | | | | | |
| Weight | 11.00 kg | | | | | | | | | | | | | | | | | | | | | |
| <p>SISTORE MX NVR16</p>  | <p>Network Video Recorder, 16 IP Cameras, 80 GB, LAN</p> <p>SISTORE MX NVR16 is a flexible digital surveillance and video recording system that allows the live images supplied by IP cameras to be recorded. It permits remote surveillance via LAN or ISDN.</p> <table border="0"> <tr> <td>Recording speed</td> <td>Max. 100 ips</td> </tr> <tr> <td>Hard disk capacity</td> <td>80 GB</td> </tr> <tr> <td>Interfaces</td> <td>4 USB 2.0 / 2 Ethernet (RJ45) / 2 Gigabit-Ethernet</td> </tr> <tr> <td>Ambient temperature, operating</td> <td>5 - 40 °C</td> </tr> <tr> <td>Power consumption</td> <td>Max. 4 A (24 V)</td> </tr> <tr> <td>Power requirements</td> <td>24 V DC (20.4 - 28.8 V)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>262 x 133 x 47 mm</td> </tr> <tr> <td>Weight</td> <td>2.00 kg</td> </tr> </table> | Recording speed | Max. 100 ips | Hard disk capacity | 80 GB | Interfaces | 4 USB 2.0 / 2 Ethernet (RJ45) / 2 Gigabit-Ethernet | Ambient temperature, operating | 5 - 40 °C | Power consumption | Max. 4 A (24 V) | Power requirements | 24 V DC (20.4 - 28.8 V) | Dimensions (W x H x D) | 262 x 133 x 47 mm | Weight | 2.00 kg | S24245-F5086-A3 | | | | |
| Recording speed | Max. 100 ips | | | | | | | | | | | | | | | | | | | | | |
| Hard disk capacity | 80 GB | | | | | | | | | | | | | | | | | | | | | |
| Interfaces | 4 USB 2.0 / 2 Ethernet (RJ45) / 2 Gigabit-Ethernet | | | | | | | | | | | | | | | | | | | | | |
| Ambient temperature, operating | 5 - 40 °C | | | | | | | | | | | | | | | | | | | | | |
| Power consumption | Max. 4 A (24 V) | | | | | | | | | | | | | | | | | | | | | |
| Power requirements | 24 V DC (20.4 - 28.8 V) | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | 262 x 133 x 47 mm | | | | | | | | | | | | | | | | | | | | | |
| Weight | 2.00 kg | | | | | | | | | | | | | | | | | | | | | |

SISTORE CX ...



... intelligent digital video codec
with virtual matrix facility.





| | CX1 000/25 | CX4 000/100 | CX4 250/100 CX4 500/100 CX4 1000/100 | CX8 000/100 | CX8 500/200 CX8 1000/200 |
|--|---|--|--|---|-----------------------------|
| |  |  | |  | |
| Display | | | | | |
| Analogue video inputs | 1 (with loop through) | 4 (with loop through) | | 8 (with loop through) | |
| Analogue video outputs | 1 | 2 | | 4 | |
| Streaming and recording (analogue video) | 25 ips encoding (CIF, 2CIF, 4CIF) 25 ips decoding (CIF, 2CIF, 4CIF) | 100 ips encoding (CIF, 2CIF) 50 ips encoding (4CIF) 50 ips encoding & 25 ips decoding (2CIF) 25 ips encoding & 25 ips decoding (4CIF) 50 ips decoding (2CIF, 4CIF) | | 200 ips encoding (CIF, 2CIF) 100 ips encoding (4CIF) 100 ips encoding & 50 ips decoding (2CIF) 50 ips encoding & 50 ips decoding (4CIF) 100 ips decoding (2CIF, 4CIF) | |
| Digital video inputs (IP cameras) | | 2 | | 4 | |
| Video recording resolution (H x V) | 4CIF (704 x 576) = ~DVD quality 2CIF (704 x 288) = ~SVHS quality CIF (352 x 288) = ~VHS quality | | | | |
| Client live display formats | 1 (full screen), 2 x 2 (quad), 4 x 4, multi layout mode | | | | |
| Recording | | | | | |
| Hard disk size | Internal Compact Flash card (optional) | | 250/500/1000 GB | | 500/1000 GB |
| Internal RAID 1 | | | ■ | | ■ |
| Alarms | | | | | |
| Digital inputs | 2 | 4 | 4 | 8 | 8 |
| Digital outputs | 2 | 4 | 4 | 8 | 8 |
| Video loss detection | ■ | ■ | ■ | ■ | ■ |
| Activity detection | 100,000 zones | 100,000 zones | 100,000 zones | 100,000 zones | 100,000 zones |
| Alarm log | ■ | ■ | ■ | ■ | ■ |
| Sabotage detection | ■ | ■ | ■ | ■ | ■ |
| Analytics modules – EDS, ODR | Via licence | Via licence | Via licence | Via licence | Via licence |
| Controls | | | | | |
| SmartSearch via perspective mask | ■ | ■ | ■ | ■ | ■ |
| PTZ/dome control | ■ | ■ | ■ | ■ | ■ |
| Fast forward/rewind controls | ■ | ■ | ■ | ■ | ■ |
| Password protection | Via user profile | | | | |
| Connectivity | | | | | |
| Ethernet connector | ■ | ■ | ■ | ■ | ■ |
| Client software | ■ | ■ | ■ | ■ | ■ |
| IVM video software interface | ■ | ■ | ■ | ■ | ■ |
| Video software development kit (VSS-SDK) | Standard interface for integration with third-party management systems | | | | |
| Export/backup | | | | | |
| Image export | MPEG4 over network | | | | |
| Image backup/archive | Via client PC – USB to CD/DVD burner | | | | |
| Storage expansion possibility | | | | Via SCSI (RAID 5/6) | |
| Network attached storage | ■ | ■ | ■ | ■ | ■ |



Recording Systems Network Video

| Type | Order No. |
|--|------------------------|
| SISTORE CX..  | SISTORE CX.. |
| Intelligent Digital Video Codec <p>SISTORE CX is an intelligent digital video Codec for video transmission and recording. Developed using the latest Siemens IT technology, SISTORE CX is particularly suited for applications requiring video transmission and/or recording or as video sensor in IP network installations. SISTORE CX, encoder and decoder at the same time, provides excellent scalability and transparent communication using client stations located throughout the network. It can be used to build a "virtual video matrix", providing video over IP streams for display on analogue output devices or PC-based software decoders.</p> <p>Interfaces 1 Ethernet (10/100 BaseT) / 1 RS485 (telemetry / transparent data channel)</p> <p>Compression MPEG4 SP/ASP</p> | |
| CX1 0/25  | S24245-F5104-A1 |
| Intelligent Digital Video Codec, 1 Camera, 25 ips <p>As SISTORE CX.. for technical details, but with the following differences:</p> <p>Hard disk capacity None (1 slot available for Compact Flash card)</p> <p>Video inputs Analogue: 1 BNC, looped through (75 Ohm)</p> <p>Video outputs Analogue: 1 BNC (75 Ohm)</p> <p>Digital inputs 2</p> <p>Digital outputs 2</p> <p>Interfaces 1 USB 2.0 (service interface)</p> <p>Recording speed 25 ips encoding (CIF/2CIF/4CIF) 25 ips decoding (CIF/2CIF/4CIF)</p> <p>Power consumption 15 W</p> <p>Power requirements 12 - 24 V DC or 24 V AC, max. 1.25 A</p> <p>Weight 0.95 kg</p> | |
| CX4 0/100  | S24245-F5056-A2 |
| Intelligent Digital Video Codec, 4 Cameras, 100 ips <p>As SISTORE CX.. for technical details, but with the following differences:</p> <p>Hard disk capacity None</p> <p>Video inputs Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet</p> <p>Video outputs Analogue: 2 BNC (75 Ohm)</p> <p>Digital inputs 4</p> <p>Digital outputs 4</p> <p>Recording speed 100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital</p> <p>Power consumption 100 W</p> <p>Power requirements 12 V DC, 3 A (100 - 240 V AC adaptor supplied)</p> <p>Weight 4.20 kg</p> | |



| Type | | Order No. | | | | | | | | | | | | | | | | |
|---|--|------------------------|--------------------|------------|--------------|---|---------------|--------------------------|----------------|---|-----------------|---|-----------------|---|-------------------|-------|--------------------|--|
| CX4 250/100  | Intelligent Digital Video Codec, 250 GB, 4 Cameras, 100 ips As SISTORE CX.. for technical details, but with the following differences: | S24245-F5056-A3 | | | | | | | | | | | | | | | | |
| | <table border="0"> <tr> <td>Hard disk capacity</td> <td>1 x 250 GB</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet</td> </tr> <tr> <td>Video outputs</td> <td>Analogue: 2 BNC (75 Ohm)</td> </tr> <tr> <td>Digital inputs</td> <td>4</td> </tr> <tr> <td>Digital outputs</td> <td>4</td> </tr> <tr> <td>Recording speed</td> <td>100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital</td> </tr> <tr> <td>Power consumption</td> <td>100 W</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC, 4 A (100 - 240 V AC adaptor supplied)</td> </tr> <tr> <td>Weight</td> <td>5.00 kg</td> </tr> </table> | | Hard disk capacity | 1 x 250 GB | Video inputs | Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet | Video outputs | Analogue: 2 BNC (75 Ohm) | Digital inputs | 4 | Digital outputs | 4 | Recording speed | 100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital | Power consumption | 100 W | Power requirements | 12 V DC, 4 A (100 - 240 V AC adaptor supplied) |
| Hard disk capacity | 1 x 250 GB | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet | | | | | | | | | | | | | | | | | |
| Video outputs | Analogue: 2 BNC (75 Ohm) | | | | | | | | | | | | | | | | | |
| Digital inputs | 4 | | | | | | | | | | | | | | | | | |
| Digital outputs | 4 | | | | | | | | | | | | | | | | | |
| Recording speed | 100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital | | | | | | | | | | | | | | | | | |
| Power consumption | 100 W | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC, 4 A (100 - 240 V AC adaptor supplied) | | | | | | | | | | | | | | | | | |
| Weight | 5.00 kg | | | | | | | | | | | | | | | | | |
| CX4 500/100  | Intelligent Digital Video Codec, 500 GB, 4 Cameras, 100 ips As SISTORE CX.. for technical details, but with the following differences: | S24245-F5056-A4 | | | | | | | | | | | | | | | | |
| | <table border="0"> <tr> <td>Hard disk capacity</td> <td>2 x 250 GB</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet</td> </tr> <tr> <td>Video outputs</td> <td>Analogue: 2 BNC (75 Ohm)</td> </tr> <tr> <td>Digital inputs</td> <td>4</td> </tr> <tr> <td>Digital outputs</td> <td>4</td> </tr> <tr> <td>Recording speed</td> <td>100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital</td> </tr> <tr> <td>Power consumption</td> <td>100 W</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC, 5 A (100 - 240 V AC adaptor supplied)</td> </tr> <tr> <td>Weight</td> <td>5.80 kg</td> </tr> </table> | | Hard disk capacity | 2 x 250 GB | Video inputs | Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet | Video outputs | Analogue: 2 BNC (75 Ohm) | Digital inputs | 4 | Digital outputs | 4 | Recording speed | 100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital | Power consumption | 100 W | Power requirements | 12 V DC, 5 A (100 - 240 V AC adaptor supplied) |
| Hard disk capacity | 2 x 250 GB | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet | | | | | | | | | | | | | | | | | |
| Video outputs | Analogue: 2 BNC (75 Ohm) | | | | | | | | | | | | | | | | | |
| Digital inputs | 4 | | | | | | | | | | | | | | | | | |
| Digital outputs | 4 | | | | | | | | | | | | | | | | | |
| Recording speed | 100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital | | | | | | | | | | | | | | | | | |
| Power consumption | 100 W | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC, 5 A (100 - 240 V AC adaptor supplied) | | | | | | | | | | | | | | | | | |
| Weight | 5.80 kg | | | | | | | | | | | | | | | | | |

Recording Systems Network Video

| Type | Order No. | | | | | | | | | | | | | | | | | | |
|---|---|------------|--------------|---|---------------|--------------------------|----------------|---|-----------------|---|-----------------|---|-------------------|-------|--------------------|--|--------|---------|--|
| CX4 1000/100  | S24245-F5056-A6 | | | | | | | | | | | | | | | | | | |
| <p>Intelligent Digital Video Codec, 1000 GB, 4 Cameras, 100 ips</p> <p>As SISTORE CX.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Hard disk capacity</td> <td>2 x 500 GB</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet</td> </tr> <tr> <td>Video outputs</td> <td>Analogue: 2 BNC (75 Ohm)</td> </tr> <tr> <td>Digital inputs</td> <td>4</td> </tr> <tr> <td>Digital outputs</td> <td>4</td> </tr> <tr> <td>Recording speed</td> <td>100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital</td> </tr> <tr> <td>Power consumption</td> <td>100 W</td> </tr> <tr> <td>Power requirements</td> <td>12 V DC, 5 A (100 - 240 V AC adaptor supplied)</td> </tr> <tr> <td>Weight</td> <td>5.80 kg</td> </tr> </table> | Hard disk capacity | 2 x 500 GB | Video inputs | Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet | Video outputs | Analogue: 2 BNC (75 Ohm) | Digital inputs | 4 | Digital outputs | 4 | Recording speed | 100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital | Power consumption | 100 W | Power requirements | 12 V DC, 5 A (100 - 240 V AC adaptor supplied) | Weight | 5.80 kg | |
| Hard disk capacity | 2 x 500 GB | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 4 BNC, looped through (75 Ohm) Digital: 2 connected via Ethernet | | | | | | | | | | | | | | | | | | |
| Video outputs | Analogue: 2 BNC (75 Ohm) | | | | | | | | | | | | | | | | | | |
| Digital inputs | 4 | | | | | | | | | | | | | | | | | | |
| Digital outputs | 4 | | | | | | | | | | | | | | | | | | |
| Recording speed | 100 ips encoding (CIF/2CIF) 50 ips encoding (4CIF) 50 ips encoding and 25 ips decoding simultaneously (2CIF) 25 ips encoding and 25 ips decoding simultaneously (4CIF) 50 ips decoding (2CIF/4CIF) Max. 50 ips digital | | | | | | | | | | | | | | | | | | |
| Power consumption | 100 W | | | | | | | | | | | | | | | | | | |
| Power requirements | 12 V DC, 5 A (100 - 240 V AC adaptor supplied) | | | | | | | | | | | | | | | | | | |
| Weight | 5.80 kg | | | | | | | | | | | | | | | | | | |
| CX8 0/200  | S24245-F5096-A2 | | | | | | | | | | | | | | | | | | |
| <p>Intelligent Digital Video Codec, 8 Cameras, 200 ips</p> <p>As SISTORE CX.. for technical details, but with the following differences:</p> <table border="0"> <tr> <td>Hard disk capacity</td> <td>None</td> </tr> <tr> <td>Video inputs</td> <td>Analogue: 8 BNC, looped through (75 Ohm) Digital: 4 connected via Ethernet</td> </tr> <tr> <td>Video outputs</td> <td>Analogue: 4 BNC (75 Ohm)</td> </tr> <tr> <td>Digital inputs</td> <td>8</td> </tr> <tr> <td>Digital outputs</td> <td>8</td> </tr> <tr> <td>Recording speed</td> <td>200 ips encoding (CIF/2CIF) 100 ips encoding (4CIF) 100 ips encoding and 50 ips decoding simultaneously (2CIF) 50 ips encoding and 50 ips decoding simultaneously (4CIF) 100 ips decoding (2CIF/4CIF) Max. 100 ips digital</td> </tr> <tr> <td>Power consumption</td> <td>100 W</td> </tr> <tr> <td>Power requirements</td> <td>100 - 230 V AC</td> </tr> <tr> <td>Weight</td> <td>6.50 kg</td> </tr> </table> | Hard disk capacity | None | Video inputs | Analogue: 8 BNC, looped through (75 Ohm) Digital: 4 connected via Ethernet | Video outputs | Analogue: 4 BNC (75 Ohm) | Digital inputs | 8 | Digital outputs | 8 | Recording speed | 200 ips encoding (CIF/2CIF) 100 ips encoding (4CIF) 100 ips encoding and 50 ips decoding simultaneously (2CIF) 50 ips encoding and 50 ips decoding simultaneously (4CIF) 100 ips decoding (2CIF/4CIF) Max. 100 ips digital | Power consumption | 100 W | Power requirements | 100 - 230 V AC | Weight | 6.50 kg | |
| Hard disk capacity | None | | | | | | | | | | | | | | | | | | |
| Video inputs | Analogue: 8 BNC, looped through (75 Ohm) Digital: 4 connected via Ethernet | | | | | | | | | | | | | | | | | | |
| Video outputs | Analogue: 4 BNC (75 Ohm) | | | | | | | | | | | | | | | | | | |
| Digital inputs | 8 | | | | | | | | | | | | | | | | | | |
| Digital outputs | 8 | | | | | | | | | | | | | | | | | | |
| Recording speed | 200 ips encoding (CIF/2CIF) 100 ips encoding (4CIF) 100 ips encoding and 50 ips decoding simultaneously (2CIF) 50 ips encoding and 50 ips decoding simultaneously (4CIF) 100 ips decoding (2CIF/4CIF) Max. 100 ips digital | | | | | | | | | | | | | | | | | | |
| Power consumption | 100 W | | | | | | | | | | | | | | | | | | |
| Power requirements | 100 - 230 V AC | | | | | | | | | | | | | | | | | | |
| Weight | 6.50 kg | | | | | | | | | | | | | | | | | | |



Type

Order No.

CX8 500/200



Intelligent Digital Video Codec, 500 GB, 8 Cameras, 200 ips

As SISTORE CX.. for technical details, but with the following differences:

| | |
|--------------------|---|
| Hard disk capacity | 2 x 250 GB |
| Video inputs | Analogue: 8 BNC, looped through (75 Ohm) Digital: 4 connected via Ethernet |
| Video outputs | Analogue: 4 BNC (75 Ohm) |
| Digital inputs | 8 |
| Digital outputs | 8 |
| Recording speed | 200 ips encoding (CIF/2CIF) 100 ips encoding (4CIF) 100 ips encoding and 50 ips decoding simultaneously (2CIF) 50 ips encoding and 50 ips decoding simultaneously (4CIF) 100 ips decoding (2CIF/4CIF) Max. 100 ips digital |
| Power consumption | 100 W |
| Power requirements | 100 - 230 V AC |
| Weight | 8.00 kg |

S24245-F5096-A3

CX8 1000/200



Intelligent Digital Video Codec, 1000 GB, 8 Cameras, 200 ips


As SISTORE CX.. for technical details, but with the following differences:

| | |
|--------------------|---|
| Hard disk capacity | 2 x 500 GB |
| Video inputs | Analogue: 8 BNC, looped through (75 Ohm) Digital: 4 connected via Ethernet |
| Video outputs | Analogue: 4 BNC (75 Ohm) |
| Digital inputs | 8 |
| Digital outputs | 8 |
| Recording speed | 200 ips encoding (CIF/2CIF) 100 ips encoding (4CIF) 100 ips encoding and 50 ips decoding simultaneously (2CIF) 50 ips encoding and 50 ips decoding simultaneously (4CIF) 100 ips decoding (2CIF/4CIF) Max. 100 ips digital |
| Power consumption | 100 W |
| Power requirements | 100 - 230 V AC |
| Weight | 8.00 kg |

S24245-F5096-A4

Recording Systems

Accessories Recording Systems

| Type | | Order No. | | | | |
|--------------------|--|--------------------|--------|--------|---------|-----------------|
| SISTORE MX WebView |  <p>SISTORE MX WebView Software</p> <p>With SISTORE MX WebView you can access the SISTORE MX server via the internet. The software can be started and operated from any Windows client. SISTORE MX WebView is used to realise the complete visualisation of the video system via a network to a client PC.</p> | S24245-P5097-A6 | | | | |
| SISTORE MX 8 I/P | <p>Release 8 Video Inputs SISTORE MX</p> <p>Software release code to release 8 additional video inputs for SISTORE MX.</p> | S24245-P5097-A1 | | | | |
| SISTORE MX 4 I/P | <p>Release 4 Video Inputs SISTORE MX</p> <p>Software release code to release 4 additional video inputs for SISTORE MX.</p> | S24245-P5097-A4 | | | | |
| SISTORE MX O/P | <p>Release Video Outputs SISTORE MX</p> <p>Software release code for release of all available video outputs for SISTORE MX.</p> | S24245-P5097-A2 | | | | |
| SISTORE MX SCSI | <p>Release SCSI SISTORE MX</p> <p>Software release code for release of SCSI-interface for SISTORE MX.</p> | S24245-P5097-A3 | | | | |
| SISTORE AXHDE 250 | <p>SISTORE AX Hard Disk Extension Kit 250 GB</p> <p>250 GB HD for SISTORE AX (preformatted, preconfigured with accessories and documentation).</p> <table> <tr> <td>Hard disk capacity</td> <td>250 GB</td> </tr> <tr> <td>Weight</td> <td>1.50 kg</td> </tr> </table> | Hard disk capacity | 250 GB | Weight | 1.50 kg | 2GF4816-8BA |
| Hard disk capacity | 250 GB | | | | | |
| Weight | 1.50 kg | | | | | |
| SISTORE MXHDE 250 | <p>SISTORE MX Hard Disk Extension Kit 250 GB</p> <p>250 GB HD for the SISTORE MX (preformatted, preconfigured with accessories and documentation).</p> <table> <tr> <td>Hard disk capacity</td> <td>250 GB</td> </tr> <tr> <td>Weight</td> <td>0.80 kg</td> </tr> </table> | Hard disk capacity | 250 GB | Weight | 0.80 kg | 2GF4811-8CD |
| Hard disk capacity | 250 GB | | | | | |
| Weight | 0.80 kg | | | | | |
| SISTORE MXHDE 500 | <p>SISTORE MX Hard Disk Extension Kit 500 GB</p> <p>500 GB HD for the SISTORE MX (preformatted, preconfigured with accessories and documentation).</p> <table> <tr> <td>Hard disk capacity</td> <td>500 GB</td> </tr> <tr> <td>Weight</td> <td>0.80 kg</td> </tr> </table> | Hard disk capacity | 500 GB | Weight | 0.80 kg | S24245-B5093-A1 |
| Hard disk capacity | 500 GB | | | | | |
| Weight | 0.80 kg | | | | | |

Recording Systems Accessories Recording Systems



| Type | | Order No. |
|------------------------------------|---|-----------------|
| SISTORE USB ISDN Modul | SISTORE MX ISDN Module For use with SISTORE MX and in RemoteView for transmission over two ISDN B channels. Compatibility MX Weight 0.80 kg | 2GF4811-8FC |
| SISTORE MX Mouse | SISTORE MX Mouse | A5Q00009353 |
| SISTORE MX USB Keyboard | SISTORE MX USB Keyboard | A5Q00009346 |
| MX Fan Exchange Kit | SISTORE MX Fan Exchange Kit | S54569-B2-A1 |
| MX Power Supply Exchange Kit | SISTORE MX Power Supply Exchange Kit | S54569-B1-A1 |
| SISTORE 19" Installation Kit | SISTORE 19" Rack Mount Kit 19" Rack Mount Kit for SISTORE MX/CX8. Weight 4.00 kg | C24245-A12-D2 |
| SISTORE MX Multichannel Box RCI601 | SISTORE MX Multichannel-Box (GAA/ATM) MX-Multichannel-Box (GAA/ATM connector). Weight 1.20 kg | S24245-F5092-A1 |
| SISTORE MX Software Update | SISTORE MX Software Update on Memorystick | S24245-P5097-A5 |
| SISTORE MX Demo Case | SISTORE MX Demo Case Lending suitcase for SISTORE MX32 750/100. | S24245-D5110-A1 |
| MX Power Supply Exchange Kit | SISTORE MX Power Supply Exchange Kit SISTORE MX SISTORE MX DVD power supply unit replacement kit. | S54569-B1-A1 |
| MX Fan Exchange Kit | SISTORE MX Fan Exchange Kit SISTORE MX SISTORE MX DVD fan assembly replacement kit. | S54569-B2-A1 |

Recording Systems

Accessories Recording Systems

| Type | | Order No. |
|----------|--|-------------|
| USBREL 8 | SISTORE MX Family USB Output Module USB output module for SISTORE MX family – 8 channels with relay function. | 2GF4811-8CG |
| USBOPTO8 | SISTORE MX Family USB Input Module USB input module for SISTORE MX family – 8 channels with optocoupler function. | 2GF4811-8CH |
| USBREL16 | SISTORE MX Family USB Input/Output Module for SISTORE MX NVR USB input/output module for SISTORE MX family – 16 channels with optocoupler function, 16 channels with relay function. | 2GF4811-8CJ |

Monitors, Displays and Mounts



Monitors dedicated for security applications to display the best quality images






This global portfolio of CCTV monitors is a comprehensive range of quality monitors for professional surveillance applications – ideally suited for use wherever good picture quality and reliability are of prime importance.





The traditional CRT range provides the perfect answer for all standard monitor screen size requirements in general applications where a good quality picture and high levels of performance are wanted at a reasonable price. For more demanding applications, the TFT models offer unbeatable performance and are sure to impress!

- Full range of CRT and TFT models
- Viewing sizes from 9" to 21"
- Outstanding display of pictures
- Robust, yet stylish design

Monitors, Displays and Mounts

TFT Monitors Overview

| | Colour TFT monitors | | | | |
|---------------------------|---|---|---|---|---|
| | CMTC1525 | CMTC1725 | CMTC1925 | CMTC1720 | CMTC1920 |
| |  |  |  |  |  |
| TFT size | 15" / 38 cm | 17" / 44 cm | 19" / 48 cm | 17" / 44 cm | 19" / 48 cm |
| Resolution (pixels H x V) | 1024 x 768 | 1280 x 1024 | 1280 x 1024 | 1280 x 1024 | 1280 x 1024 |
| Contrast | 500 : 1 | 800 : 1 | 1000 : 1 | 500 : 1 | 550 : 1 |
| On-screen display menu | ■ | ■ | ■ | ■ | ■ |
| Video in/out | 2 | 2 | 2 | 1 | 1 |
| S-VHS Y/C input | ■ | ■ | ■ | ■ | ■ |
| DVI input | ■ | ■ | ■ | ■ | ■ |
| Audio in/out | 2 | 2 | 2 | 1 | 1 |
| Alarm input | ■ | ■ | ■ | | |
| Response time | 12 ms | 5 ms | 5 ms | 12 ms | 8 ms |
| Brightness | 250 cd/m ² | 300 cd/m ² | 300 cd/m ² | 300 cd/m ² | 270 cd/m ² |
| Anti-glare glass screen | ■ | ■ | ■ | | |
| Picture-in-picture | ■ | ■ | ■ | | |
| Integral speakers | ■ | ■ | ■ | ■ | ■ |
| Metal housing | ■ | ■ | ■ | | |
| Easy carry handle | ■ | ■ | ■ | | |
| TV standard | PAL/NTSC 50/60 Hz | PAL/NTSC 50/60 Hz | PAL/NTSC 50/60 Hz | PAL/NTSC 50/60 Hz | PAL/NTSC 50/60 Hz |
| Power input | 100~240 V AC | 100~240 V AC 12 V DC/6A | 100~240 V AC 12 V DC/6A | 100~240 V AC | 100~240 V AC |
| Power output | | 12 V DC | 12 V DC | | |

| | Colour CRT monitors | | | |
|------------------------|---|---|---|---|
| | CMCC1420 | CMCC1525 | CMCC1725 | CMCC2120 |
| |  |  |  |  |
| CRT size | 14" / 36 cm | 15" / 38 cm | 17" / 44 cm | 21" / 55 cm |
| Resolution with coax | 350 TVL | 700 TVL | 700 TVL | 400 TVL |
| Resolution with Y/C | 450 TVL | 800 TVL | 800 TVL | 450 TVL |
| Front panel controls | ■ | | ■ | ■ |
| On-screen display menu | | ■ | | |
| Video in/out | 1 | 2 | 2 | 2 |
| S-VHS Y/C in/out | 1 | 1 | 1 | 1 |
| Audio in/out | 1 | 2 | 2 | 2 |
| Under/over scan switch | | ■ | | ■ |
| Metal case | ■ | ■ | ■ | ■ |
| Easy carry handles | ■ | ■ | ■ | ■ |
| TV standard | PAL/NTSC 50/60 Hz | PAL/NTSC 50/60 Hz | PAL/NTSC 50/60 Hz | PAL/NTSC 50/60 Hz |
| Power | 100~240 V AC | 100~240 V AC | 100~240 V AC | 100~240 V AC |



Type

Order No.

CMCC1420

Colour Monitor 14" 350 TVL PAL/NTSC

2GF3132-8AA



Professional quality monitor, providing sharp, crisp images. Suitable for monitoring tasks where reliability, good picture quality and audio is required. Two video inputs (composite and S-VHS), with looping outputs. Sturdy, square format metal case for easy stacking, including carry handles. The user-friendly controls are all accessible from the front, including switching inputs.

| | |
|------------------------|--|
| Resolution | > 350 TV lines, 450 TV lines with Y/C |
| Audio inputs | 1 RCA, looped through |
| Video inputs | 1 BNC, looped through 1 S-Video Y/C, looped through |
| Dimensions (W x H x D) | 356 x 333 x 381 mm |
| Power requirements | 100 - 240 V AC, 50 - 60 Hz |
| Weight | 13.20 kg |

CMCC1525

Colour Monitor 15" 700 TVL OSD PAL/NTSC

2GF3133-8AA



Professional quality monitor, providing sharp, crisp images. Suitable for monitoring tasks where reliability, good picture quality and audio is required. Three video inputs (2 x composite and 1 x S-VHS), with looping outputs. Sturdy, square format metal case for easy stacking, including carry handles. Easy setup via OSD menus allows simple adjustment of all settings. The user-friendly controls are all accessible from the front, including switching inputs.

| | |
|------------------------|--|
| Resolution | > 700 TV lines, 800 TV lines with Y/C |
| Audio inputs | 2 RCA, looped through |
| Video inputs | 2 BNC, looped through 1 S-Video Y/C, looped through |
| OSD menu | Yes |
| Dimensions (W x H x D) | 356 x 333 x 381 mm |
| Power requirements | 100 - 240 V AC, 50 - 60 Hz |
| Weight | 15.70 kg |

CMCC1725

Colour Monitor 17" 700 TVL PAL/NTSC

2GF3134-8AA



High-resolution quality monitor providing sharp, crisp images. Exceptionally suitable for all industrial monitoring tasks where high picture quality and reliability are of prime importance. Three video and two audio inputs and outputs. Sturdy, square format metal case for easy stacking.

| | |
|------------------------|--|
| Resolution | > 700 TV lines, 800 TV lines with Y/C |
| Audio inputs | 2 RCA, looped through |
| Video inputs | 2 BNC, looped through 1 S-Video Y/C, looped through |
| Dimensions (W x H x D) | 405 x 371 x 406 mm |
| Power requirements | 100 - 240 V AC, 50 - 60 Hz |
| Weight | 19.40 kg |

Monitors, Displays and Mounts

Colour Monitors

| Type | Order No. |
|---|--|
| CMCC2120 | 2GF3135-8AA |
|  | Colour Monitor 21" 400 TVL PAL/NTSC <p>Standard resolution quality monitor providing sharp, crisp images. Exceptionally suitable for all industrial monitoring tasks where high picture quality and reliability are of prime importance. Three video and two audio inputs and outputs. Sturdy, square format metal case for easy stacking.</p> <p>Resolution > 400 TV lines, 450 TV lines with Y/C Audio inputs 2 RCA, looped through Video inputs 2 BNC, looped through 1 S-Video Y/C, looped through</p> <p>Dimensions (W x H x D) 480 x 466 x 439 mm Power requirements 100 - 240 V AC, 50 - 60 Hz Weight 25.50 kg</p> |



For every viewing need ...

... a complete range of TFT monitors.

Monitors, Displays and Mounts

LCD Displays

Type

Order No.

CMTC1720

TFT Monitor 44 cm (17") Economy Line

2GF3126-8AA



The CMTC1720 is specifically designed for standard security applications, still requiring a TFT monitor to produce a great picture, but not requiring the other industrial-like standard qualities of the other TFT monitors. It offers a stylish design constructed with highly durable plastic polymer, SXGA display resolution, a wide viewing angle and integral speakers.

| | |
|--------------------------------|---|
| Resolution | SXGA: 1280 x 1024 pixels |
| Contrast ratio | 500:1 |
| Brightness | 300 cd/m ² |
| Colour depth | 16.2 Mio |
| Angle of view | Horizontal: 70/70° (left/right) Vertical: 65/65° (up/down) |
| Response time | 12 ms |
| Power requirements | 100 - 240 V, 50/60 Hz |
| Video standard | PAL/NTSC (auto-sensing) |
| Video signal | RGB: 0.707 V _{pp} (75 Ohm) NTSC: 1.0 V _{pp} (75 Ohm) |
| Loudspeakers | 2 speakers (2 x 1 W) |
| Audio inputs | 1 |
| Audio outputs | 2 |
| Video inputs | 1 BNC, 1 S-Video Y/C, 1 DVI-I |
| Video outputs | 1 BNC |
| Ambient temperature, operating | 0 - 40 °C |
| Ambient temperature, storage | -25 to +60 °C |
| Material | Plastic |
| Installation | VESA standard (4 x M4, 100 x 100 mm) |
| Dimensions (W x H x D) | 372 x 325 x 54 mm |
| Weight | 3.80 kg |



Type

Order No.

CMTC1920

TFT Monitor 48 cm (19") Economy Line

2GF3122-8AA



The CMTC1920 is specifically designed for standard security applications, still requiring a TFT monitor to produce a great picture, but not requiring the other industrial-like qualities of the other TFT monitors. It offers a stylish design constructed with highly durable plastic polymer, SXGA display resolution, a wide viewing angle and integral speakers.

| | |
|--------------------------------|---|
| Resolution | SXGA: 1280 x 1024 pixels |
| Contrast ratio | 550:1 |
| Brightness | 270 cd/m ² |
| Colour depth | 16.2 Mio |
| Angle of view | Horizontal: 70/70° (left/right) Vertical: 75/60° (up/down) |
| Response time | 8 ms |
| Power requirements | 100 - 240 V AC, 50/60 Hz |
| Video standard | PAL/NTSC (auto-sensing) |
| Video signal | RGB: 0.707 V _{pp} (75 Ohm) NTSC: 1.0 V _{pp} (75 Ohm) |
| Loudspeakers | 2 speakers (2 x 1 W) |
| Audio inputs | 1 |
| Audio outputs | 2 |
| Video inputs | 1 BNC, 1 S-Video Y/C, 1 DVI-I |
| Video outputs | 1 BNC |
| Ambient temperature, operating | 0 - 40 °C |
| Ambient temperature, storage | -20 to +60 °C |
| Material | Plastic |
| Installation | VESA standard (4 x M4, 100 x 100 mm) |
| Dimensions (W x H x D) | 420 x 359.5 x 54.5 mm |
| Weight | 5.00 kg |

Monitors, Displays and Mounts

LCD Displays

Type

Order No.

CMTC1525

TFT Monitor 38 cm (15") Premium Line

S54573-C1-A1



The high-resolution XGA TFT monitor has been designed especially for CCTV applications. The monitor features 2 BNC video inputs with loop-through outputs, one S-VHS input and one DVI input which allows the monitor to be used for PC-based applications. The picture-in-picture function (PiP) enables the simultaneous display of 2 images on the same monitor which can be triggered by an alarm input. The monitor also features a text function; this function allows any text to be configured and displayed on the screen. Through its sturdy metal housing the monitor is also suited for industrial applications where high-resolution, image brightness and contrast are required and the monitor screen can be viewed easily from all sides. To protect the TFT panel from being damaged, the housing is made of metal and the front part is protected by a glass pane.

| | |
|--------------------------------|---|
| Resolution | XGA: 1024 x 768 pixels |
| Contrast ratio | 400:1 |
| Brightness | 250 cd/m ² |
| Colour depth | 16.7 Mio |
| Angle of view | Horizontal: 80/80° (left/right) Vertical: 80/80° (up/down) |
| Response time | 12 ms |
| Power requirements | 100 - 240 V, 50/60 Hz (built-in power pack) |
| Video standard | PAL/NTSC (auto-sensing) |
| Video signal | RGB: 0.7 - 1.4 V _{pp} (75 Ohm) S-Video Y/C: 1 V _{pp} (0.7 V Video / 0.3 V Sync, 75 Ohm) DVI: REV 1.0 dig. Single T.M.D.S |
| Loudspeakers | 2 built-in speakers, L+R (2 x 1.5 W / 8 Ohm, ± 10 %) |
| Audio inputs | 2 RCA |
| Audio outputs | 2 RCA, 1 phone (3.5 mm jack) |
| Video inputs | 2 BNC, 1 S-Video Y/C, 1 DVI-I |
| Video outputs | 2 BNC |
| Ambient temperature, operating | 5 - 35 °C |
| Ambient temperature, storage | -25 to +60 °C |
| Material | Metal, front panel: glass |
| Installation | VESA standard (4 x M4, 100 x 100 mm) |
| Dimensions (W x H x D) | 349 x 272 x 62.5 mm |
| Weight | 6.90 kg |



Type

Order No.

CMTC1725

TFT Monitor 48 cm (19") Premium Line

S54573-C2-A1



The high-resolution SXGA TFT monitor has been designed especially for CCTV applications. The monitor features 2 BNC video inputs with loop-through outputs, one S-VHS input and one DVI input which allows the monitor to be used for PC-based applications. The picture-in-picture function (PiP) enables the simultaneous display of 2 images on the same monitor which can be triggered by an alarm input. The monitor also features a text function; this function allows any text to be configured and displayed on the screen. Through its sturdy metal housing the monitor is also suited for industrial applications where high resolution, image brightness and contrast are required and the monitor screen can be viewed easily from all sides. To protect the TFT panel from being damaged, the housing is made of metal and the front part is protected by a glass pane.

| | |
|--------------------------------|---|
| Resolution | SXGA: 1280 x 1024 pixels |
| Contrast ratio | 500:1 |
| Brightness | 300 cd/m ² |
| Colour depth | 16.7 Mio |
| Angle of view | Horizontal: 70/70° (left/right) Vertical: 70/65° (up/down) |
| Response time | 8 ms |
| Power requirements | 100 - 240 V, 50/60 Hz |
| Video signal | RGB: 0.7 - 1.4 V _{pp} (75 Ohm) S-Video Y/C: 1 V _{pp} (0.7 V Video / 0.3 V Sync, 75 Ohm) DVI: REV 1.0 dig. Single T.M.D.S |
| Loudspeakers | 2 built-in speakers, L+R (2 x 1.8 W / 8 Ohm) |
| Audio inputs | 2 RCA |
| Audio outputs | 2 RCA |
| Video inputs | 2 BNC, 1 S-Video Y/C, 1 DVI-I |
| Video outputs | 2 BNC |
| Ambient temperature, operating | 5 - 35 °C |
| Ambient temperature, storage | -25 to +60 °C |
| Material | Metal, front panel: glass |
| Installation | VESA standard (4 x M4, 100 x 100 mm) |
| Dimensions (W x H x D) | 374 x 318 x 62.5 mm |
| Weight | 8.50 kg |

Monitors, Displays and Mounts

LCD Displays

Type

Order No.

CMTC1925

TFT Monitor 48 cm (19") Premium Line

S54573-C3-A1



The high-resolution SXGA TFT monitor has been designed especially for CCTV applications. The monitor features 2 BNC video inputs with loop-through outputs, one S-VHS input and one DVI input which allows the monitor to be used for PC-based applications. The picture-in-picture function (PIP) enables the simultaneous display of 2 images on the same monitor which can be triggered by an alarm input. The monitor also features a text function; this function allows any text to be configured and displayed on the screen. Through its sturdy metal housing the monitor is also suited for industrial applications where high resolution, image brightness and contrast are required and the monitor screen can be viewed easily from all sides. To protect the TFT panel from being damaged, the housing is made of metal and the front part is protected by a glass pane.

| | |
|--------------------------------|---|
| Resolution | SXGA: 1280 x 1024 pixels |
| Contrast ratio | 1000:1 |
| Brightness | 300 cd/m ² |
| Colour depth | 16.7 Mio |
| Angle of view | Horizontal: 85/85° (left/right) Vertical: 80/80° (up/down) |
| Response time | 5 ms |
| Power requirements | 100 - 240 V, 50/60 Hz |
| Video signal | RGB: 0.7 - 1.4 V _{pp} (75 Ohm) S-Video Y/C: 1 V _{pp} (0.7 V Video / 0., V Sync, 75 Ohm) DVI: REV 1.0 dig. Single T.M.D.S |
| Loudspeakers | 2 built-in speakers, L+R (2 x 1.8 W / 8 Ohm) |
| Audio inputs | 2 RCA |
| Audio outputs | 2 RCA |
| Video inputs | 2 BNC, 1 S-Video Y/C, 1 DVI-I |
| Video outputs | 2 BNC |
| Ambient temperature, operating | 5 - 35 °C |
| Ambient temperature, storage | -25 to +60 °C |
| Material | Metal, front panel: glass |
| Installation | VESA standard (4 x M4, 100 x 100 mm) |
| Dimensions (W x H x D) | 420 x 350 x 65 mm |
| Weight | 9.50 kg |

Monitors, Displays and Mounts

Monitor Mounts



Type

Order No.

VMT900

Monitor Hanger for 12~15" CRT Monitors

GBQ:A5381740001



Attractive, easily adjusted, single tie-rod monitor hanger designed to safely grip monitors at the point of balance just behind the front facia. Strong, rubber-faced extruded aluminium corner-pieces securely hold the monitor without damaging the monitor case.

| | |
|------------------------------|--------------|
| Minimum monitor size (W x H) | 275 x 275 mm |
| Maximum monitor size (W x H) | 377 x 377 mm |
| Load rating | 25 kg |
| Weight | 2.90 kg |

VMT910

Monitor Hanger for 20~21" CRT Monitors

GBQ:A5381870001



Attractive, easily adjusted, dual tie-rod monitor hanger designed to safely grip monitors at the point of balance just behind the front facia. Strong, rubber-faced extruded aluminium corner-pieces securely hold the monitor without damaging the monitor case.

| | |
|------------------------------|--------------|
| Minimum monitor size (W x H) | 367 x 367 mm |
| Maximum monitor size (W x H) | 532 x 532 mm |
| Load rating | 35 kg |

VMT901

Wall Mount Bracket for VTM900

GBQ:A5381900001



Tubular support to hang monitors from an appropriate load-bearing wall or pillar. For use with VMT900 monitor hangers.

| | |
|-------------|---------|
| Span | 420 mm |
| Height | 480 mm |
| Drop | 170 mm |
| Load rating | 60 kg |
| Weight | 2.45 kg |

VMT902

Hanger Ceiling Bracket for VMT900

GBQ:A5382130001



Tubular support designed to enable monitors of all dimensions to be suspended from an appropriate ceiling structure. For use with both VMT900 and VMT910 monitor hangers.

| | |
|--------------------|-------------|
| Dimensions (Ø x H) | 35 x 856 mm |
| Load rating | 60 kg |
| Weight | 2.11 kg |

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Monitors, Displays and Mounts

Monitor Mounts

| Type | | Order No. |
|------------|---|-----------------|
| VMT903 | <p>Monitor Extension Tube for VMT902</p> <p>Tubular extension with lock-ring for insertion between VMT902 ceiling bracket and VMT900 and VMT910 monitor hangers.</p> <p>Extension length 500 mm Load rating 60 kg Weight 0.66 kg</p>  | GBQ:A5573040001 |
| VMT911 | <p>Wall Mount Bracket for 17~21" CRT Monitors</p> <p>Attractive, easily adjusted, dual tie-rod monitor hanger designed to safely grip monitors at the point of balance just behind the front fascia. Strong, rubber-faced extruded aluminium corner-pieces securely hold the monitor without damaging the monitor case.</p> <p>Minimum monitor size (W x H) 367 x 367 mm Maximum monitor size (W x H) 532 x 532 mm Load rating 35 kg Weight</p> | GBQ:A5382000001 |
| CMTB1515-R | <p>15" Bracket for 19" Rack Mount</p> <p>Bracket to install the 15" TFT CMTC15x5 monitor in a 19" rack mount.</p> <p>Weight 0.70 kg</p>  | 2GF3124-8BA |
| CMTB1715-R | <p>17" Bracket for 19" Rack Mount</p> <p>Bracket to install the 17" TFT CMTC17x5 monitor in a 19" rack mount.</p> <p>Weight 0.70 kg</p>  | 2GF3125-8BA |
| CMTB1915-R | <p>19" Bracket for 19" Rack Mount</p> <p>Bracket to install the 19" TFT CMTC19x5 monitor in a 19" rack mount.</p> <p>Weight 0.70 kg</p>  | 2GF3129-8BA |

Management Systems



IVM allows easy operation and complete control of your CCTV system, no matter how large or small

IVM (Interactive Video Management software) allows the user to carry out the entire video system management, from the generation of site plans or system configuration, to display, selection and control of individual video components or external systems. Via system interfaces, it is possible to generate event controlled reports and alarms or to display, evaluate or document process information from specified systems. This benefits the user by allowing positive correlation of images to the following aspects of the report:

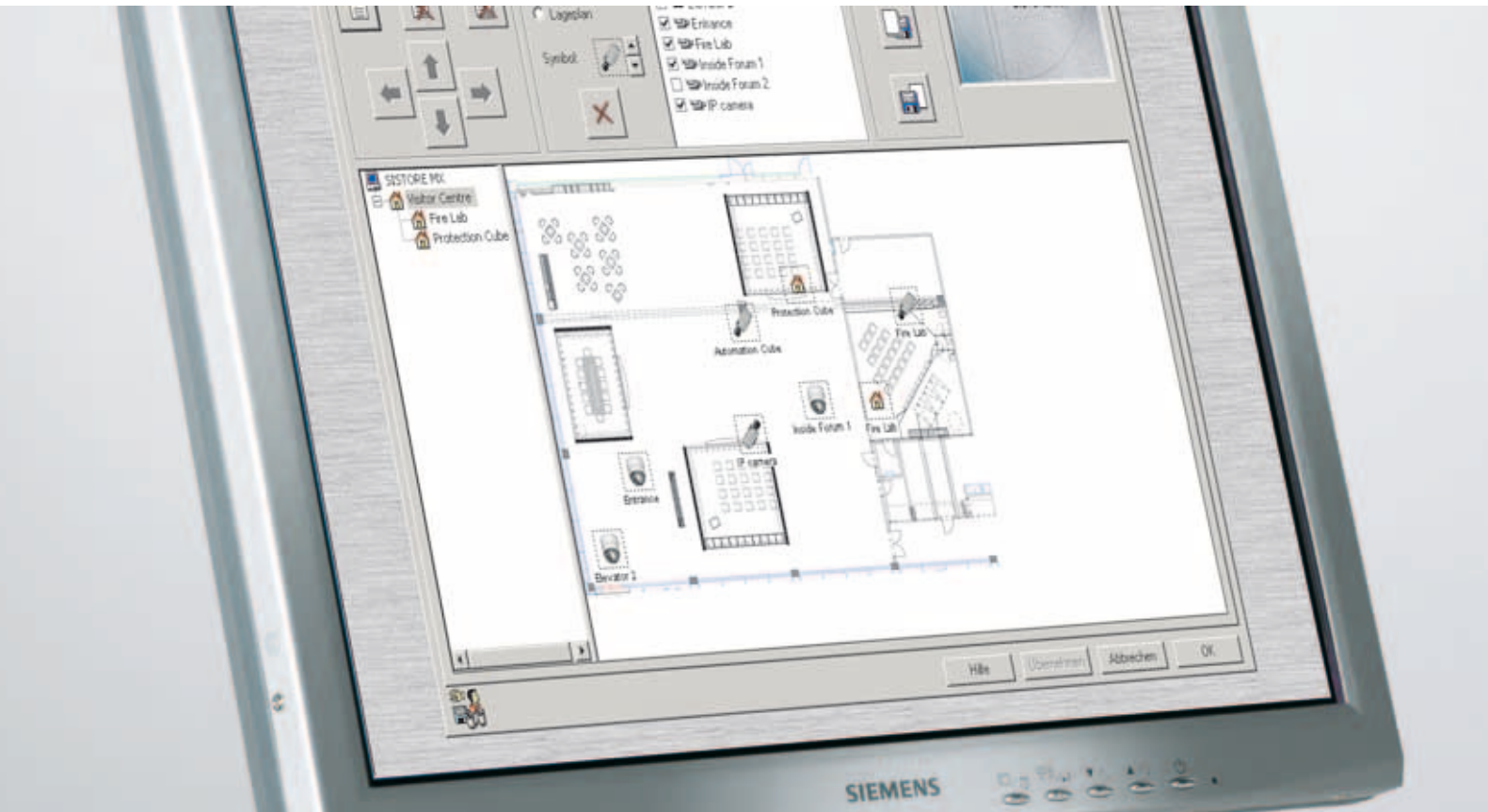
- The cause for generation of the report from the logged images and event data
- The development of dangers in progress due to the display of live images
- Full image and data documentation of the entire event

Management Systems

IVM Software

| Type | | Order No. |
|------------|--|-------------|
| COIB0201 | <p>IVM Basic Licence Inputs/Outputs: 16 / 4</p> <p>Including basic server license for IVM system and client for design systems up to 16 video inputs and 4 video outputs.</p> | 2GF9400-8FM |
| COIB0401 | <p>IVM Basic Licence Inputs/Outputs: 32 / 4</p> <p>Including basic server license for IVM system and client for design systems up to 32 video inputs and 4 video outputs.</p> | 2GF9400-8FN |
| COIB0801 | <p>IVM Basic Licence Inputs/Outputs: 64 / 8</p> <p>Including basic server license for IVM system and client for design systems up to 64 video inputs and 8 video outputs.</p> | 2GF9400-8FA |
| COIB1601 | <p>IVM Basic Licence Inputs/Outputs: 128 / 8</p> <p>Including basic server license for IVM system and client for design systems up to 64 video inputs and 8 video outputs.</p> | 2GF9400-8FL |
| COIB3202 | <p>IVM Basic Licence Inputs/Outputs: 255 / 16</p> <p>Including basic server license for IVM system and client with dongle for design systems up to 255 video inputs and 16 video outputs.</p> | 2GF9400-8FB |
| COIB3204 | <p>IVM Basic Licence Inputs/Outputs: 255 / 32</p> <p>Including basic server license for IVM system and client with dongle for design systems up to 255 video inputs and 32 video outputs.</p> | 2GF9400-8FC |
| COIB3208 | <p>IVM Basic Licence Inputs/Outputs: 255 / 64</p> <p>Including basic server license for IVM system and client with dongle for design systems up to 255 video inputs and 64 video outputs.</p> | 2GF9400-8FD |
| COIB3212 | <p>IVM Basic Licence Inputs/Outputs: 255 / 96</p> <p>Including basic server license for IVM system and client with dongle for design systems up to 255 video inputs and 96 video outputs.</p> | 2GF9400-8FE |
| COIB3216 | <p>IVM Basic Licence Inputs/Outputs: 255 / 128</p> <p>Including basic server license for IVM system and client with dongle for design systems up to 255 video inputs and 128 video outputs.</p> | 2GF9400-8FF |
| COIC1001 | <p>IVM Licence for a Client</p> <p>Universal operation of CCTV system.</p> | 2GF9400-8GC |
| COSI024016 | <p>IVM I/O Server License Dig. Inputs/Outputs 24/16</p> <p>The I/O server is a software additional component of IVM for control of the I/O contacts of the SIMATIC S7.</p> | 2GF9400-8KA |
| COSI040032 | <p>IVM I/O Server License Dig. Inputs/Outputs 40/32</p> <p>The I/O server is a software additional component of IVM for control of the I/O contacts of the SIMATIC S7.</p> | 2GF9400-8KB |
| COSI056048 | <p>IVM I/O Server License Dig. Inputs/Outputs 56/48</p> <p>The I/O server is a software additional component of IVM for control of the I/O contacts of the SIMATIC S7.</p> | 2GF9400-8KC |

Video Recording Software



Highly professional PC-based Network Video Recording Software SISTORE MX NVS






SISTORE MX NVS (NVS) supports recording and control for 4 to 32 IP cameras. By combining multiple PC-based NVS servers, sophisticated systems can be designed and implemented. The wide-ranging functions include live image display, recording, playback and remote access.

After installing SISTORE MX NVS on a PC, network IP cameras and video servers from different manufacturers can be connected to monitor rooms, buildings, production facilities, sensitive public places and security-relevant outdoor areas of any kind, simultaneously recording the camera signals.

- Support of megapixel camera recording achieving much higher image quality compared to analogue cameras
- Plug & play technology for easy installation and operational convenience and reliability

Video Recording Software

SISTORE MX NVS Network Video Software

| Type | Order No. | |
|---|---|--------------------------------|
| <p>SISTORE MX NVS..</p>  | <p>SISTORE MX NVS</p> <p>SISTORE MX NVS offers a wide range of functions, including live image display, recording, playback and remote enquiry. After SISTORE MX NVS has been installed, you can connect network cameras (IP cameras) and video servers from different manufacturers to monitor rooms, buildings, production facilities, sensitive public places and security-relevant outdoor areas of any kind and simultaneously record the camera signals. Mega-pixel recording: SISTORE MX NVS supports mega-pixel cameras. The image quality achieved with these cameras is much higher than that of analogue cameras.</p> | <p>SISTORE MX NVS..</p> |
| <p>SISTORE MX NVS 4</p>  | <p>SISTORE MX NVS 4</p> <p>As SISTORE MX NVS.. for technical details, but with the following differences:</p> <p>Digital video recording software for 4 IP cameras (license including USB-Dongle).</p> | <p>S24245-P5099-A1</p> |
| <p>SISTORE MX NVS 9</p>  | <p>SISTORE MX NVS 9</p> <p>As SISTORE MX NVS.. for technical details, but with the following differences:</p> <p>Digital video recording software for 9 IP cameras (license including USB-Dongle).</p> | <p>S24245-P5099-A2</p> |
| <p>SISTORE MX NVS 16</p>  | <p>SISTORE MX NVS 16</p> <p>As SISTORE MX NVS.. for technical details, but with the following differences:</p> <p>Digital video recording software for 16 IP cameras (license including USB-Dongle).</p> | <p>S24245-P5099-A3</p> |
| <p>SISTORE MX NVS 32</p>  | <p>SISTORE MX NVS 32</p> <p>As SISTORE MX NVS.. for technical details, but with the following differences:</p> <p>Digital video recording software for 32 IP cameras (license including USB-Dongle).</p> | <p>S24245-P5099-A4</p> |

Video Recording Software

SISTORE MX NVS Network Video Software



| Type | | Order No. |
|------------|--|-------------|
| USBREL 8 | SISTORE MX Family USB Output Module USB output module for SISTORE MX family – 8 channels with relay function. | 2GF4811-8CG |
| USBOPTO8 | SISTORE MX Family USB Input Module USB input module for SISTORE MX family – 8 channels with optocoupler function. | 2GF4811-8CH |
| USBREL16 | SISTORE MX Family USB Input/Output Module for SISTORE MX NVR USB input/output module for SISTORE MX family – 16 channels with optocoupler function, 16 channels with relay function. | 2GF4811-8CJ |
| COOS000001 | FS Video Software Suite (VSS) | 2GF9490-8AC |



What happens if there is a fire in one of the offices?

We offer protection by combining interoperable security, fire safety and building management systems.

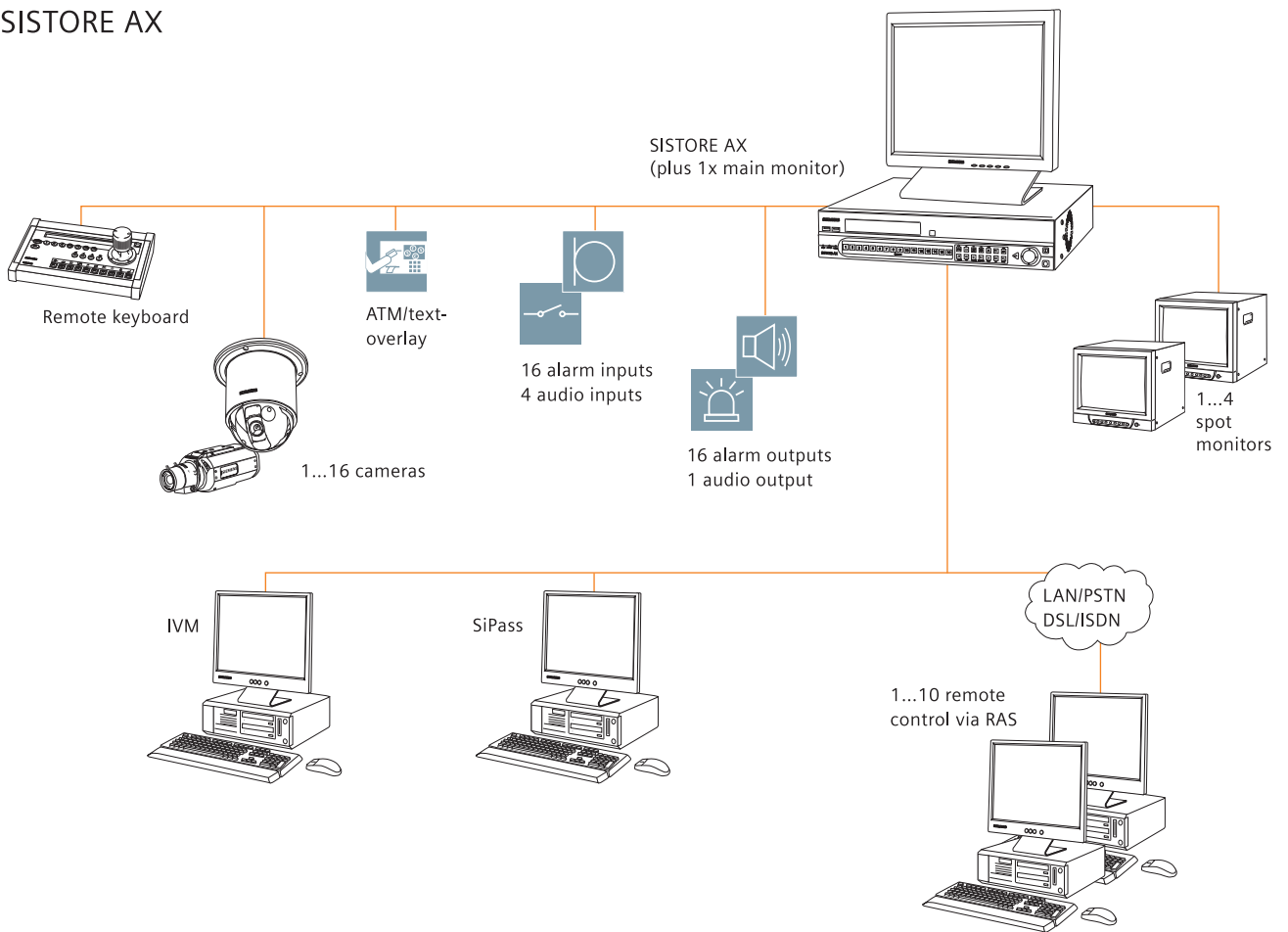
As emergency lighting is automatically switched on, ventilation will be controlled, with the alarm being transmitted to first responders offering visual verification, all while restricting access to elevators and doors in the alarm area and guiding people away to safety via the voice evacuation system.
www.siemens.com/interoperability

Answers for infrastructure.

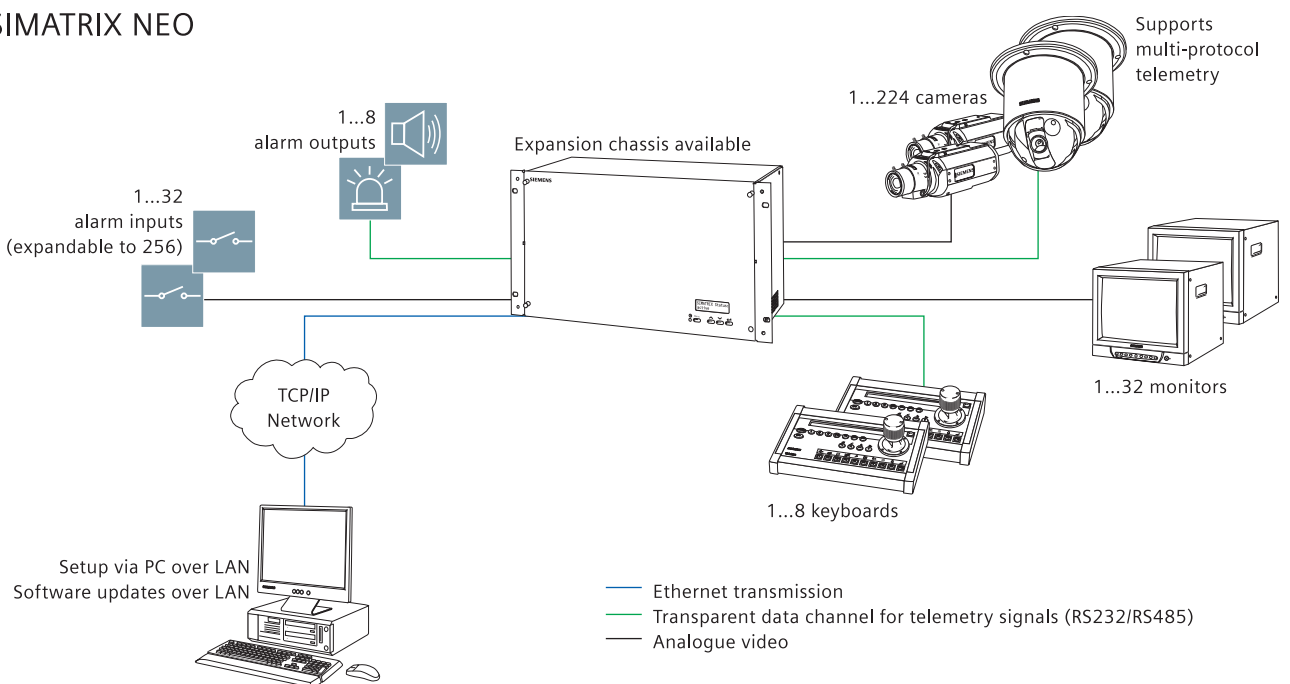
SIEMENS



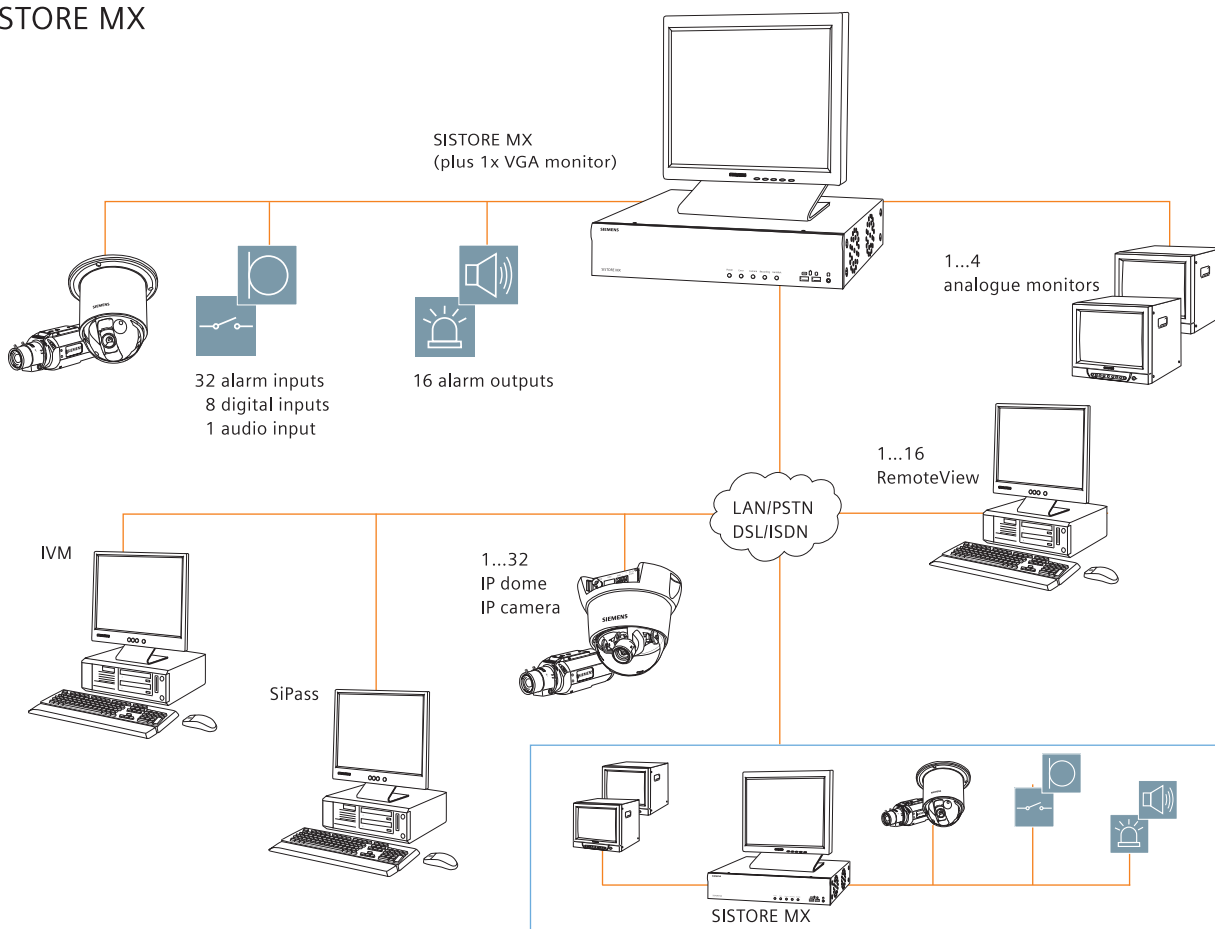
SISTORE AX



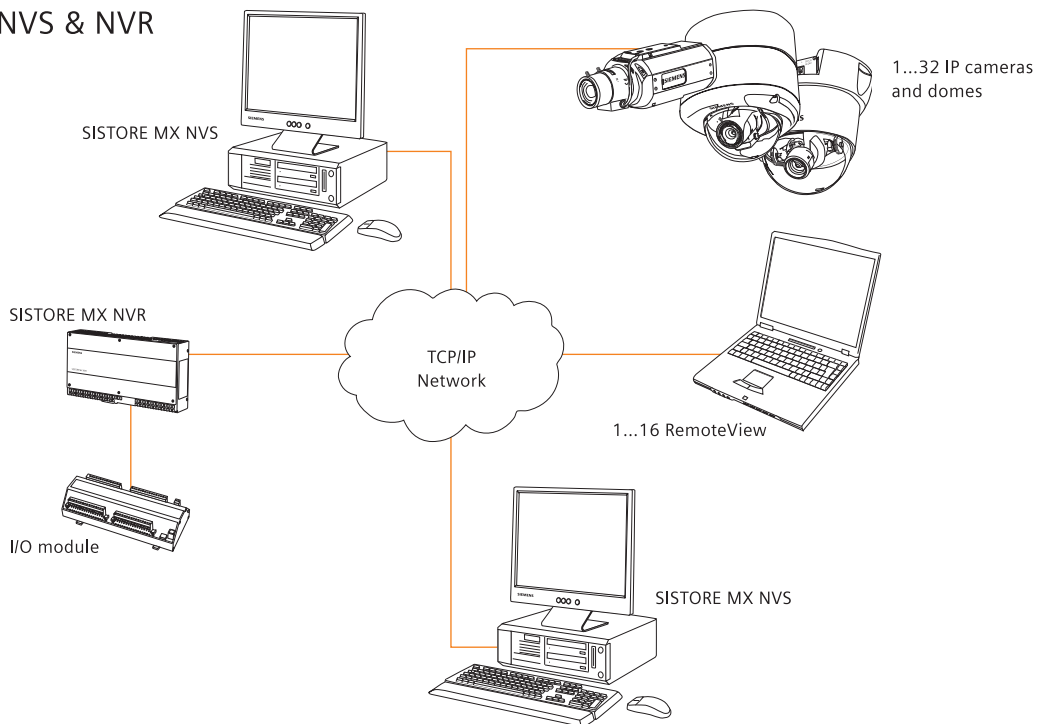
SIMATRIX NEO



SISTORE MX

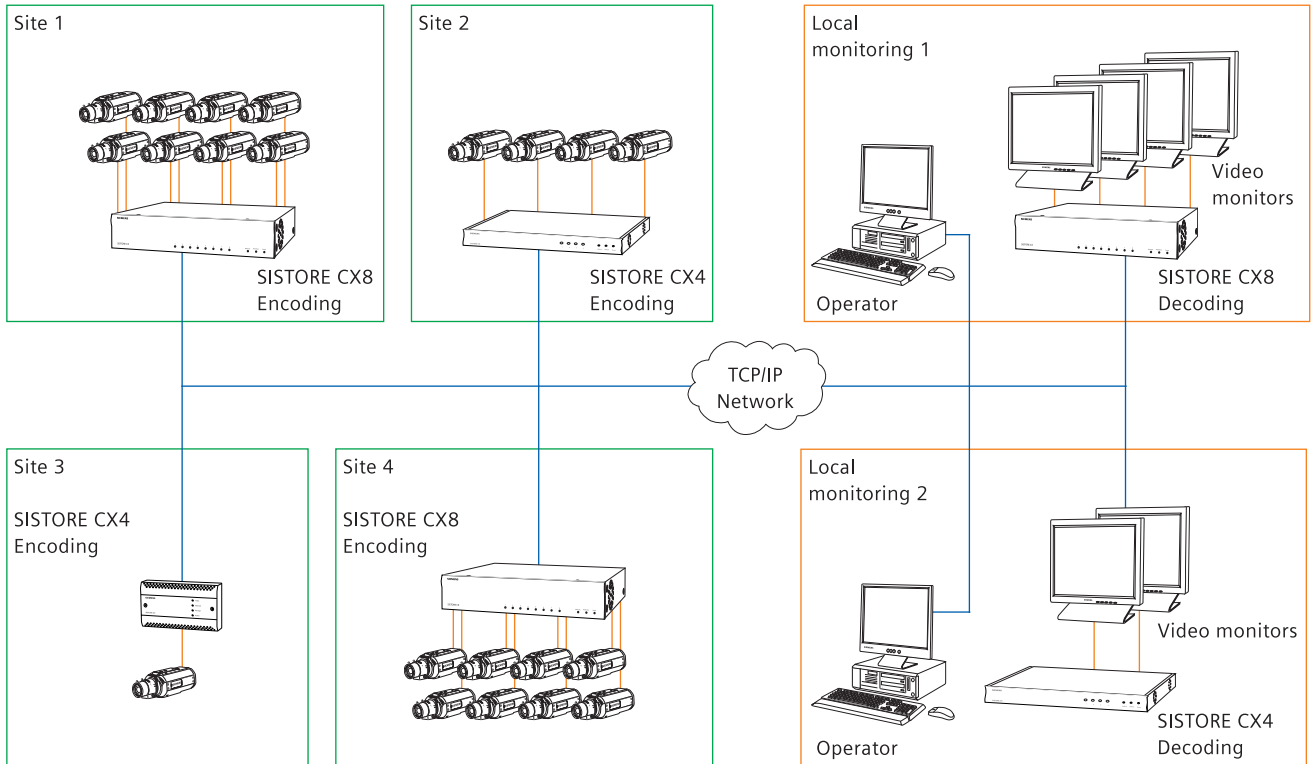


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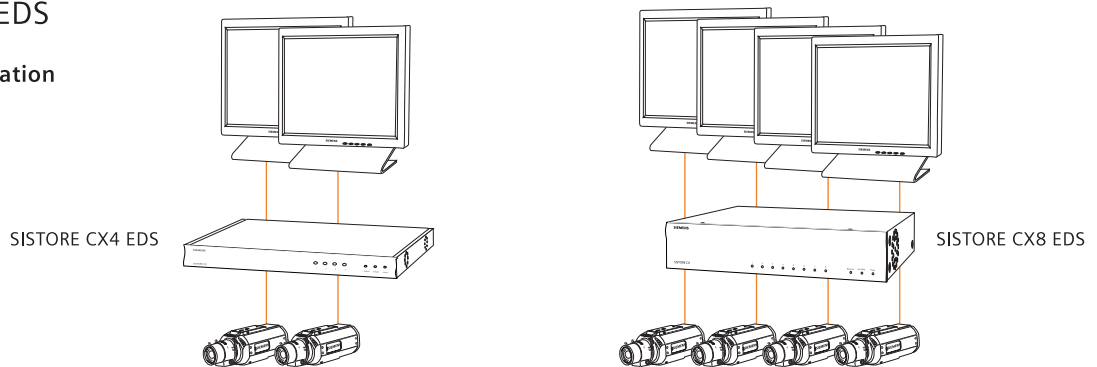


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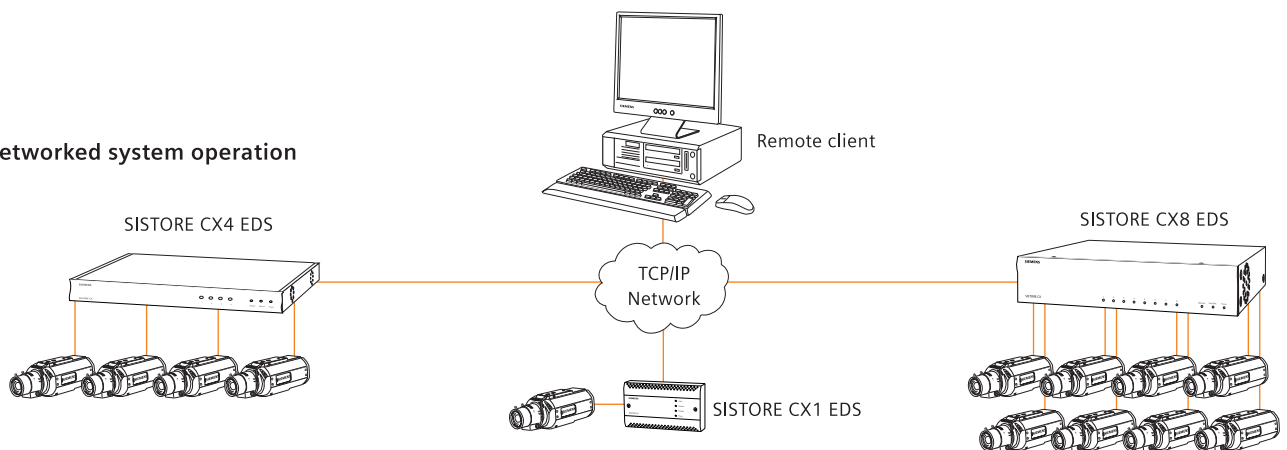


SISTORE CX EDS

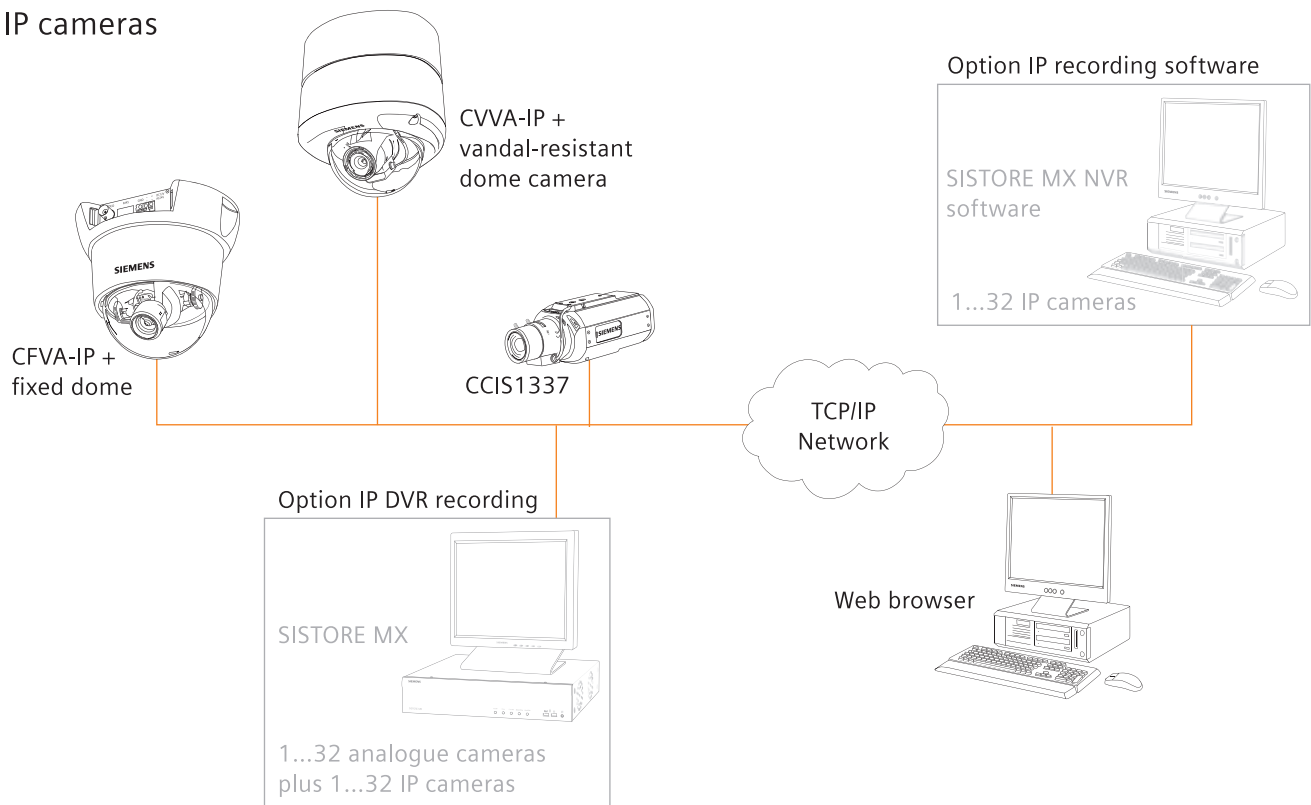
Standalone operation



Networked system operation



IP cameras





Why back focus?

When the lighting level falls, the auto iris opens and the depth of field changes. This can be seen when cameras that are in focus during good lighting conditions tend to "defocus" when the light level falls. It is a very simple problem to solve – always install the camera using a "Neutral Density (ND) filter". Placing these filters in front of the lens simulates conditions at very low light levels, such as dawn and dusk, this will allow for the correct setting of focus and back focus. The objective is to open the lens iris to its maximum. The grading of ND filter will vary depending on the ambient light – on a very bright sunny day you will need a larger ND filter (number) than on a cloudy overcast day. To select the correct ND filter, place it over the lens until you can just see the picture but are able to focus clearly.

Manual and fixed iris lenses

1. Set the camera to an object at a point in the distance (the target will appear very small on the monitor).
2. If the lens has a focus ring, set this to infinity.
3. Adjust the lens iris to the widest opening then place the appropriate ND over the lenses to simulate the low light.
4. Adjust the camera focus to achieve the sharpest (clearest) picture.
5. Remove the filter.

Focusing a fixed auto iris lens

1. Set the camera to an object at a point in the distance (the target will appear very small on the monitor).
2. If the lens has a focus ring, set this to infinity.
3. Adjust the lens iris to the widest opening. This is best done by placing the appropriate ND filter over the lenses to simulate the low light, which will naturally force the iris open.
4. Adjust the camera focus to achieve the sharpest (clearest) picture.
5. Adjust the level and ALC controls on the lens for best performance.
6. Remove the ND filter.

Using International Protection (IP) ratings

IP rating is used in this catalogue for defining the weatherproof standard of CCTV products. This is mainly for outdoor products of prime importance. The following table shows the definition of the international protection ratings and helps you to select the proper equipment for your application.

First number: Protection against solid objects

- 0 = No protection
- 1 = Protected from solid objects up to 50 mm (e.g. accidental touch by hands)
- 2 = Protected from solid objects up to 12 mm (e.g. fingers)
- 3 = Protected from solid objects more than 2.5 mm (e.g. tools and small wires)
- 4 = Protected from solid objects more than 1 mm (e.g. small wires)
- 5 = Protected from dust; limited entrance (no harmful deposit)
- 6 = Totally protected from dust

Example: IP67 rated product

The first number is the protection against solid objects:

6 = Totally protected from dust

The second number is the protection against liquids:

7 = Protected from the effects of immersion between 15cm and 1m

Focusing a zoom lens

1. Place the appropriate ND filter over the lens, this will force the iris open.
2. Set the focusing ring to "far" or wide angle.
3. Aim the camera at an object approximately 30-50 metres away. The object appears very small on the monitor.
4. Adjust the camera focus for maximum clarity.
5. Zoom the lens to an object nearby (close up).
6. Set the lens focus for maximum clarity.
7. Remove the ND filter. It should now be possible to zoom in and out over the field of view maintaining good focus.

Cleaning of lenses & CCD

Proper cleaning procedures will minimise the amount of time it takes to clean the surfaces of the lens and CCD imager. To clean the front and rear surfaces of the lens,

1. Detach the lens from the camera.
2. Before rubbing the surface area of either the lens or the CCD imager, blow any loose particles using a pressurized "air duster" (can be purchased from photographic supply dealers).
3. Apply a minimum amount of alcohol to clean the surface areas of both the lens and the CCD imager, via a cotton swab (recommended solvents would include 89-91% ETHANOL, or PROPANOL with a residue value after evaporation of maximum 0.001%).
4. Rub lightly with a dry cotton swab after evaporation. Blow again with the "air-duster" to remove remaining dirt or dust particles. Do not use acetone, as this destroys plastic materials.

Second number: Protection against liquids

- 0 = No protection
- 1 = Protected from vertically-falling drops of water (e.g. condensation)
- 2 = Protected from direct sprays of water up to 15° from vertical
- 3 = Protected from direct sprays of water up to 60° from vertical
- 4 = Protected from water sprayed from all directions; limited entrance allowed
- 5 = Protected from low pressure jets of water from all directions; limited entrance allowed
- 6 = Protected from strong jets of water (e.g. for use on ship decks); limited entrance allowed
- 7 = Protected from the effects of immersion between 15 cm and 1 m
- 8 = Protected from extended periods of immersion under pressure

Example: IP41 rated product

The first number is the protection against solid objects:

4 = Protected from solid objects more than 1 mm (e.g. small wires)

The second number is the protection against liquids:

1 = Protected from vertically-falling drops of water (e.g. condensation)



SISTORE AX – high-quality, feature-rich compact unit for retail applications



SISTORE AX offers all the advantages of digital video monitoring in a single compact unit. Specifically designed for smaller applications, with up to 16 connected cameras per unit, SISTORE AX is optimal for use in the retail sector including direct connection of ATM or cash registers. All models offer an integral front panel keyboard and certain models even include speed dome control. Remote access via a network is possible utilising the included network-viewing software. SISTORE AX can be connected to intrusion detectors, linking to alarm systems and also to a SiPass Entro Lite access control system to enable a fully integrated security system. SISTORE AX is particularly simple to operate, with access to recorded images via the easy to use search functions ensuring you get exactly the images you need. www.siemens.com/sistoreax

Answers for infrastructure.

SIEMENS

**Aberration**

Is a term from optics that refers to anything affecting the quality of the image in regards to the original scene.

Absorption

Parts of a video signal are absorbed by the material, e.g. by a fibre cable. Therefore the transmission distance is not infinite.

AC

Alternating current. Mains power is alternating current. Current voltages are 24 V AC, 115 V AC or 230 V AC.

Activity Detection

Is a feature built into equipment for detecting movement within the camera field of view, which is then used to improve the cameras recording update rate.

ADC

Analogue to digital conversion is usually the first stage of an electronic device that processes signals into a digital format. The signal can be video, audio, control output or similar.

AES

Automatic electronic shutter – See “Shutter”.

AGC

Automatic Gain Control is the electronic circuitry in a camera that is used to increase the video signal and becomes operational when the light level is low. This usually introduces 'noise' in the picture giving a grainy appearance.

AI

Automatic iris – See “Auto iris”.

Alarm Input

Is an equipment connection, which allows external alarms like PIRs, reed switches, etc. to be connected to CCTV equipment so that a nominated camera is switched on when an alarm input signal is received by the receiver.

ALC

Automatic Light Compensation is a setting in an auto iris lens to control the iris opening. It can be adjusted between peak and average to respond to the bright part of the scene (peak setting) or the average value of the video signal (average setting).

Algorithms

Are complex mathematical formulae or rules used to solve problems. In CCTV, they are used to achieve digital compression of a video picture.

Ampere

Unit symbol A. Is the unit to measure electric currents.

Amplitude

The amplitude refers to the level of the video signal at a point and is measured in volts.

Analogue Signal

In video, the analogue signal represents the camera scene in the form of varying voltage levels in the video signal, the voltage being

directly proportional to the light level.

Angle of Refraction

The angle of refraction is the deflection of light when it travels from one medium into another.

Angle of View

Represents the area of the scene (maximum horizontal and vertical angle) that can be seen through a lens. It is measured in degrees.

Aperture

The lens aperture dictates the amount of light reaching the surface of the CCD. The size of the aperture is controlled by the iris adjustment, by increasing the f-stop number (F1.4, F1.8 etc.) less light is passed by the lens to the CCD.

Archive

The term archive is used for long term off line storage. In digital systems, pictures are generally archived onto some form of hard disk.

ASCII

This is an internationally acknowledged character set standard.

Aspect Ratio

This is the ratio between the horizontal and the vertical lengths of the image. The aspect ratio for NTSC and PAL systems is 4:3, which means 4 horizontal units by 3 vertical units.

Aspherical Lens

Using an aspherical surface these types of lenses are more difficult and more expensive to manufacture. They are, however, fewer lens aberrations to correct for with an aspherical lens.

Asynchronous data transmission

Stands for a transmission technique that uses control bits in the video line to ensure correct transmission.

Attenuation

The decrease or loss in magnitude of a wave, or a signal, as it travels through a medium or an electrical system. Attenuation is measured in decibels (dB).

Auto Balance

Is a system of detecting and automatically correcting errors in the amplitude of colour signals.

Auto Iris (AI)

A lens with an auto iris can automatically adjust to correct the amount of light that is passed to CCD of a camera. There is a tiny motor and amplifier built into the lens body, which receives a control signal from the camera to maintain a constant one volt peak to peak video level. There are two manual controls on the lens to compensate for varying conditions of 'peak' and 'average' light.

Auto Pan

Is a feature of a pan/tilt or pan only head which allows the head to continuously move (pan) left and right between two fixed points. These fixed points can be set by adjusting the limit switches in the head.

Average Video Signal

Represents the average light level of the whole picture used to open or close the automatic iris in the lens.

AVG

Alphanumeric Video Generator is a device for providing additional information, normally superimposed on the picture being displayed. This can range from one or two characters to full screen alphanumeric text. Such generators use the incoming video signal sync pulses as a reference point for the text insertion position, which means if the video signal is of poor quality, the text will also be of poor quality.

Back Light Compensation (BLC)

Special feature of video cameras. Prevents the effect that everything appears dark in front of a bright object (e.g. a window).

Back Focus

The back focus is a procedure of fine mechanical adjustment in the camera, which moves the CCD or the lens mount to compensate for different back focal lengths of different lenses.

Backlash

An error present in a pan/tilt head due to the play in the mechanical components like gears, pulleys etc. This results in the pan/tilt head not stopping instantaneously. This error is critical in preset PTZ cameras and is measured in degrees.

Back Porch

The back porch is the portion of a video signal that occurs during blanking from the end of the horizontal sync to the beginning of active video. It is also the blanking signal portion that lies between the trailing edge of a horizontal sync pulse and the trailing edge of the corresponding blanking pulse. The colour burst is located on the back porch.

Balanced Signal

In CCTV this refers to the transmission of a video signal through a twisted pair cable. It is called balanced because the signal travels through both cables, using opposing polarities to help reduce any losses due to interference.

Balun

A balun is a device used to match or transform an unbalanced coaxial cable to a balanced twisted pair system.

Bandwidth

Is the range of frequencies which pass through an electronic amplifying, processing or transmission equipment without attenuation or loss.

Barrel Distortion

Is a distortion in the monitor due to non uniform scanning which causes the image to bulge outward like a barrel.

Baud

The term baud is used to express the data exchange rate, typically the baud settings of two devices must match if the devices are to communicate with one another.

Beam Angle

Is the angular beam width of a conical beam of light and is measured in degrees.

Bifurcator

An adapter used to split a loose tube containing two optical fibres into two single fibre cables.

B-ISDN

Broadband Integrated Services Digital Network. An improved ISDN composed of an intelligent combination of more ISDN channels into one that can transmit more data per second.

Bitmap

A bitmap is a pixel by pixel description of an image each pixel is a separate element.

Black Burst

A composite colour video signal. The signal has composite sync, reference burst and a black video signal, which is usually at a level of 7.5 (50 mV) above the blanking level.

Black Level

It electronically represents the black part of an image corresponding to approximately 0.3 volts.

Blanking Pulse

Is a black pulse added during the fly back period to make the video signal invisible on the screen.

BNC Connector

Is a type of connector used to interconnect two coaxial cables or connect a cable with other CCTV components.

Bridging Switcher

Is a type of sequential switcher which has two outputs. The sequencing output sequences all the camera inputs whereas the other output is a spot output where any camera can be called up for extended viewing.

Brightness

Represents the intensity of illumination of the reproduced picture.

Brightness Control

Is a control in the monitor which does not change the amplitude of the video signal but increases or decreases the illumination of the phosphors on the screen.

Broadcasting Camera

Is a high-quality camera using three CCD chips. It is used extensively in the Broadcasting professional industry.

C-mount

Is a lens mount with 17.526 mm back flange. The back flange is the distance between the lens mounting surface and the CCD chip. Cameras with CS-mount need a special adapter ring to be used with C-mounted lenses (supplied with every camera).



Cable Compensated Amplifier

High-frequency video signals are attenuated when transmitted through cables. A cable compensated amplifier boosts the high-frequency signals depending upon the cable distance. This ensures minimum video loss.

Cable Core

Is the central part of the cable which actually carries the video, control or power signals. It can be made up of a single conductor (solid core) or a number of electrical wires.

Cable Jacket

Is the outer protective coating which covers the core of the cable.

Cable Tray

Is a long tray installed in many sites which allows cables to be economically laid out.

Camera

Is an electronic device which converts light into an electrical signal.

Camera Controller

Controls the different functions of a pan/tilt head and the zoom lens. It is also known as the PTZ controller.

Candela

Is a new unit which replaces the candle and is a measurement of luminous intensity.

Cathode Ray Tube (CRT)

Is a tube in the monitor containing a heated cathode which emits a beam of electrons focused on a phosphor coated surface. The surface glows depending upon the intensity of the beam. The deflection circuitry in the tube controls the movement of the beam.

CCD

Charge Coupled Device is a solid state device in a camera that converts light falling on it into an electrical signal.

CCD Iris

Is a feature in modern CCD cameras by which the iris function is performed by the CCD chip itself. This eliminates the need for an auto iris lens. The CCD iris can handle minor light fluctuations only and therefore is not recommended for most outdoor applications.

CCIR

International Radio Consultative Committee recommends a format of 625 lines per frame and a transmission speed of 25 frames per second.

CCTV

Closed Circuit Television

Channel Separation

When signals are multiplexed at different frequencies for transmission, then the separation between these frequencies is called channel separation. Poor separation can lead to cross talk.

Chassis

Is used as a carrier for a certain number of slide-in modules. A power supply in the chassis ensures power for the modules. The CCTV chassis fit the industry 19" standard.

Chromatic Aberration

Is an error in lenses which causes the focal point to be scattered. This occurs because different wavelengths of light bend differently through a lens. A combination of lenses are required to minimise this error.

Chrominance Signal

Is that part of the video signal which contains the colour information. In S-VHS, this signal is transmitted along a separate cable. In a composite video signal, the chrominance signal is multiplexed at a higher frequency and sent along the same cable.

Colour Stripe Filter

This type of filter is placed in front of a colour CCD chip. It breaks up light into the basic colours – red, green and blue which are then directed to separate pixels in the CCD chip.

Common Sync

Is a device used to synchronise cameras. It generates synchronising pulses that are sent to all cameras connected to it by coaxial cable.

Generator

Composite video is a standard signal format in CCTV which contains the video signal, the horizontal and vertical sync pulses and the blanking pulses.

Concave

Is a type of optical lens in which the light rays passing through it are made to diverge by the inward bulge of the glass surface.

Conduit

Is a plastic or metallic tube which is used to conceal, protect or secure cables.

Connector

Is a device used to interconnect cables or connect cables to various equipment.

Contrast

Is the difference in the intensity between the black parts and white parts of the picture on the monitor.

Contrast Control

Is a control in the monitor which changes the contrast by increasing or decreasing the amplitude of the video signal.

Covert

Is a mode of CCTV surveillance in which the camera and lens are hidden and cannot be seen.

Convex

Is a type of optical lens in which the light rays passing through it are made to converge by the outward bulge of the glass surface.

Crimping

Is a process of connecting a cable to a connector without screwing or soldering using a special tool. In crimping a BNC connector, the centre pin of the connector is uniformly pressed against the cable core. To ensure a proper connection, a good crimping tool is needed.

Cross Talk

Is the noise generated by the interference between adjacent (in terms of signal frequency) video, audio or data channels in a multiplexed signal.

CS-Mount

Is a lens mount with 12.5 mm back flange. The back flange is the distance between the lens mounting surface and the CCD chip. Cameras with CS-mount need a special adapter ring to be used with C-mounted lenses (supplied with every camera).

DC

Direct Current

Decibels

Is a logarithmic ratio used to compare characteristics of electrical signals.

De-multiplexing

Is the process of separating the different video, audio or data channels which were multiplexed at the source.

Depth of Field

Is the distance between the nearest and furthest points of the scene which appear in sharp focus. It is dictated by the F-stop and focal length of the lens.

Dielectric

Is a material which insulates the solid centre core of a coaxial cable from the screen. The thickness of the dielectric affects the impedance of the cable.

Dome

Is a type of camera kit, inside a housing made of smoked or tinted plastic. It is excellent for discreet surveillance and is supplied with inbuilt pan/tilt heads and zoom lens mechanisms.

DSP Chip Digital Signal Processing Chip

Is a solid state device which converts an analogue video signal into a digital video signal. It is used in digital cameras and also in computers to digitise video images.

Duplex

Is a system which can handle simultaneously two channels of video, audio or data signals.

Dwell Time

Is a feature in a switcher. It is the time period a picture from a given camera remains on the monitor before being replaced by a picture from the next camera. Switchers may have fixed or programmable dwell times.

EASS Electronic Surveillance System

It is used in retail shops to electronically tag the article merchandise to prevent shop thefts. A CCTV system can be interfaced with an EASS system so that the appropriate camera is switched on when an offence occurs.

EIA

Is a scanning method specified by the Electrical Industry Association. RS-170 is the standard for monochrome and RS-170A is the standard for colour.

Electrical Filter

Is a type of electrical circuitry designed to limit transmission of certain frequencies.

Electron Beam

Is a concentrated flow of electrons in a nominated direction.

Electronic Shutter Speed

See Shutter Speed.

EMI Electro Magnetic Interference

Is interference which is usually caused by any electrical equipment radiating electro magnetic frequencies.

Ergonomics

Is the study of man, machine and the environment to achieve maximum efficiency.

Event Recorder

Is a type of recorder that is normally maintained in pause mode and starts recording only when activated by an alarm.

Extruded Aluminium

Is aluminium processed through a die and shaped for use to construct housings for CCTV applications.

Extruded Plastic

Is a process in which smoked or tinted plastic is processed and shaped to construct dome housings.

F-stop

Is the ratio between the focal length of the lens and the effective diameter of the iris opening. It indicates the light gathering ability of the lens.

Fence Protection System

Is a type of sensor installed on or around the perimeter fence in a site to detect any intrusion. There are many types of fence protection systems available. In CCTV it can be interfaced with a switcher or similar piece of equipment to switch a nominated camera for extended viewing.

Fibre Optics

Is a method of modulating video, audio or data with a light beam and transmitting it along a glass core.

Field

Is one half of a frame and consists of 312.5 (PAL) and 262.5 (NTSC) lines. Odd and even fields are combined to form a single frame.

**Field of View**

Is the height and width of the view that can be seen through a lens.

Fixed Lens

Is a lens with a fixed focal length. A wide range of fixed lens are available to suit different applications eg 2.6 mm, 4.8 mm, 8 mm, 16 mm, 25 mm and 75 mm etc.

Flexible Conduit

Is a flexible PVC conduit which is used at the camera point to enclose loose cables between the camera and the junction box or wall.

Fluorescent Lamp

Is a type of artificial light source in which the mercury vapour generated by a low wattage arc strikes the phosphor material to emit light. It is popular in indoor applications.

Fly Back Period

Is the time taken to move from the end of a field, frame or line to the start of the next field, frame or line. It is also called the retrace period.

Focal Length

Is the distance between the optical centre of a lens and the point of focus. It is usually measured in mm.

Focus Ring

Is a ring on a lens which is rotated to obtain correct focus.

Frame Interline Chip

Is a type of CCD chip which is expensive to manufacture and is currently used in Broadcasting video cameras. It overcomes many shortcomings of the existing CCD chips used in CCTV cameras.

Frame Switching

Is a process used in multiplexers or multi-recorders in which a frame is picked up from each camera in turn.

Frame Store

Is an electronic device used to capture and digitally store a video image. It can be an independent unit or inbuilt in other equipment like fast scan video transmitters or video motion detectors.

Frame Transfer Chip

Is a type of CCD chip in which the pixels have a dual role of sensing the light and transferring the charge. This causes picture smearing, a major shortcoming of this chip.

Frame

Is the basic unit of a moving picture. A frame contains 625 lines (PAL) or 525 lines (NTSC).

FSK

Frequency shift keying – technology to transmit digital information over a telephone line. The information is translated into an audible signal.

Galvanometer

Is a type of auto iris lens in which the DC motor drive is contained in the camera rather than in the lens. This lens is cheaper but it cannot be used with cameras which do not have this inbuilt DC motor drive.

Gamma Correction

Is a correction built into the camera to adjust for the brightness characteristics of the monitor. The gamma value ranges from 0.45 to 1.0.

Geometric Distortion

Is an error which causes the reproduced picture to be geometrically different from the original picture.

Ground Loop Current

Is an AC current produced in a video cable when the two ends of the cable do not have the same ground potential.

Ground Loop Insulator

Is an isolation transformer which can eliminate ground loop currents by removing any direct connection between the inputs and outputs.

GUI Graphical User Interface

Interfaces the computer with the matrix switcher. Hot areas on the computer screen can be programmed to activate a matrix switcher, VCR etc. It helps in making the CCTV system more user-friendly.

Halogen Lamp

Is a type of incandescent lamp with a good spectral response. It is used in flood lighting of sports stadiums.

Hertz

Is a unit of measuring frequency. 1 Hertz = 1 cycle per second.

Horizontal Resolution

Is the number of vertical lines which can be resolved in a picture. It depends upon the number of pixels in a chip.

Horizontal Shift Register

Is a part of the CCD chip to which the charge from the pixels is transferred line by line. This charge is then converted into an analogue video signal.

Illuminance

Is the amount of luminous flux falling on a surface area and is measured in lux.

Image Intensified Camera

Is a type of camera coupled with an image intensified tube which generates additional photons. This tube allows the camera to be used in low light areas.

Image Intensifier

Is a device which intensifies light by using light sensitive phosphor screens. It is used to improve camera performance under low light conditions.

Impedance

Is the input and output characteristic of any electrical system and is measured in Ohms. For maximum signal transfer, the input and output impedance should be the same. CCTV systems have a 75 Ohm impedance.

Incandescent Light

Is a type of artificial light source invented by Thomas Edison in 1862. It has a good spectral response but low life and efficiency.

Index of Refraction

Is a ratio between the angle of incidence to the angle of refraction of light. It depends upon the density of a medium. A denser medium will have a higher index of refraction and will also bend the light more.

Infrared Detector

Can be used in conjunction with a CCTV system to switch the relevant camera on to the monitor in event of an activation.

Infrared Link

Transmission medium in which video, data or audio are modulated with infrared light and then transmitted via free space to a receiver in a remote location.

Infrared Radiation

Is electromagnetic radiation with a wavelength of more than 750 nanometers. It is not visible to the human eye.

Interference

Is external energy which interferes with an electrical signal causing picture distortions.

Interlacing

Is the process of combining even and odd fields to form a frame.

Interline Transfer Chip

Is a type of chip used in most of the current CCTV cameras as the charge read out method is more efficient than a frame transfer CCD chip. Vertical streaking and small pixel size are some of the shortcomings.

Iris

The part of a lens that can be adjusted to vary the amount of light passing through the lens and falling on the CCD chip.

Iris Plug

Push in connector which connects the camera to an auto iris lens to provide power to the iris motor and to send the video signal which controls the iris opening.

ISDN

Integrated Services Digital Network is a type of telephone network which is used to connect networks remotely.

Joystick Controller

Is a control device in the form of a stick in a PTZ controller used to control the pan, tilt and zoom movement of a pan/tilt head or dome.

Junction box

Empty box (mostly weatherproof) to be mounted close to the electronic device. Simplifies cabling and may contain a twisted pair transmitter, PSU etc.

LAN

Local Area Network connects different computers so that they can communicate with each other. Different connection protocols are

possible.

LD

Laser diode is a type of light source which generates a single frequency in the high end of the infrared spectrum and has a bandwidth of 1000 MHz. It is used in fibre optics and infrared links.

LED

Light Emitting Diode is a type of light source which generates an infrared frequency when stimulated by electricity. It is used in fibre optics, infrared links and as an infrared light source for monochrome cameras.

Lens Calculator

Is a calculator provided by many lens manufacturers to help calculate the focal length of the lens that will provide the required image.

Lens Hunting

Is a problem where the iris is continually opening and closing. Using the ALC adjustment in the lens, this should rectify the problem.

Lens Mount

See C-mount or CS-mount.

Light

Is electromagnetic radiation between 400 nm and 750 nm which is detectable by the human eye.

Light Sensor (photocell)

Is a device which is activated by a present amount of light falling on it. It can be used to switch infrared illuminators On/Off.

Limit Switch

Is a device placed inside or outside the pan/tilt head and used to limit the angles of pan and tilt.

Line

Is the basic unit of a frame or field containing the charge which is proportional to the light falling at various points on the scanning line.

Looping Switcher

Is a type of switcher with looping outputs. These outputs allow the camera to be connected to another device without affecting the usage of the switcher.

Lumen

Is a measurement of light which indicates the amount of light radiated by a one candela light source.

Luminance Signal

Is that part of the video signal which contains the information on the brightness of the picture.

Lux

Is an international unit of illumination. It is the amount of uniform light falling on an area of 1 square metre and is measured in lumen per sq metre.

**Magnification Ratio**

Is the ratio between the focal length of a lens and the focal length of a standard angle lens. It indicates the magnification of the image on the monitor as compared to the image seen by a standard angle lens.

Matrix Switcher

Is a type of switcher which allows a single input to be switched to many outputs. Matrix switchers are used in large CCTV systems and have many powerful features.

Mercury Vapour Lamp

Is a popular type of artificial light source which emits a blue-white light. Used extensively for commercial lighting.

Microwave Links

Is a type of transmission medium in which video, data or audio is modulated with a microwave frequency and then transmitted to a receiver in a remote location over free space.

Mimic Panel

Is a panel which shows the layout of a site with the camera positions highlighted. By interfacing it with a CCTV system, the operator can switch any camera to the monitors from the mimic panel itself.

Minimum Scene Illumination

Is a specification shown in most camera data sheets and indicates the minimum light required at the scene to provide a reasonable picture on the monitor.

Modem

Is derived from the term 'modulator - demodulator' and is used to convert a digital signal into an analogue signal so that it can be transmitted via the PSTN telephone network.

Modulate

A method in which a signal to be transmitted is mixed with a high_frequency carrier signal.

Motorised Controlled Iris

Is a type of iris control in which the iris motor is controlled from a remote location, usually in a zoom lens.

Multi Core Cable

Is a type of cable which has many cores enclosed in one outer jacket. In CCTV it is normally used to transmit control signals.

Multimode Cable

Is a cheaper type of fibre optic cable which allows a light beam to travel by more than one path thus causing transmission distortion.

Multiplexing

Is a process whereby many cameras are switched frame by frame. This frame switching can be used in applications like multi-viewing, multi-recording etc.

Neutral Density Filter

Is a type of filter used with lenses which reduces light of all wavelengths equally.

Noise

Is an unwanted signal generated by every electronic component. The noise in a video signal causes a grainy or snowy effect on the image.

NTSC

National Television System Committee is a colour television system and the standard used in the USA and Japan. NTSC has 525 horizontal scanning lines and 60 fields per sec.

Ohms

Is a unit for measuring resistance or impedance of any electrical device.

Omni Directional Transmitter

Is a transmitter which sends the signal in all directions.

Optical Filter

Is a type of filter used in optics which selectively allows light of different frequencies to pass through.

Oscilloscope

Is a device which visually displays the wave form of any electrical signal on a screen. In CCTV, it is used in trouble shooting and making adjustments of various components.

PAL

Phase Alternating Line is a colour television system and the standard used in Western Europe, Australia, parts of Africa and Asia. PAL has 625 horizontal scanning lines and 50 fields per sec.

Persistence of Vision

The retina of the human eye retains an image for 40 ms. This characteristic is called "persistence of vision" and is used to make a picture appear continuous by flashing images on the retina at a rate faster than 24 images per sec.

Phase Adjustment

Is a camera adjustment used to synchronise all the cameras in the system by altering the phase of the power supply.

Phase Angle

Is the angle at any point of the sine wave of an AC power supply and varies between 0 to 360 deg over a cycle.

Phosphor

Is a material which is capable of emitting light. It is used in fluorescent lamps, monitors etc. The duration of the emission depends on the type of phosphor.

Picture Tearing

Occurs when the horizontal sync pulses are distorted or lost and the monitor is unable to latch on to them causing the horizontal lines to be displaced in a random manner. This is seen as a tearing of the picture on the monitor.

Pincushion Distortion

Is a type of distortion caused due to non uniform scanning in the monitor which makes the picture to bulge inward.

Pinhole Lens

Is a lens with a small diameter used for covert surveillance.

Pixel

(picture element) is the basic unit of a CCD chip which accumulates charge depending upon the amount of light falling upon it. A typical CCD chip has over 300,000+ pixels.

Polarising Filter

Is a type of filter which reduces glare by intercepting reflected light from surfaces like water, glass etc.

Polycarbonate

Is a type of toughened glass which can be used in housings for use in areas of high vandalism.

Polyethylene

Is a type of plastic used to make outer jackets for cables.

Potentiometer

Is an electronic component in which the resistance can be changed by a movable contact point. It is used in pan/tilt heads and zoom lenses to record preset positions.

Power Line Interference

Is a type of interference caused by main power lines and usually seen as horizontal bands on the monitor.

Preamplifier

Is a type of amplifier used to increase the output of a low level source allowing the signal to be processed by other devices.

Preset

Is a term used in CCTV to define predetermined position of a pan/tilt head and zoom lens.

Primary Colour

Is a colour which cannot be obtained by mixing other colours. Red, green and blue are the three primary colours which can be mixed to produce other colours.

PSTN

Public Switched Telephone Network is an analogue telephone network currently in use all over the world.

PTZ Controller

Is a device used to control the movement of the pan/tilt head and zoom lens from a remote location.

Quad

Is a device which used to display pictures from 4 cameras on a single monitor.

Read Out Time

Is the time taken to read the charge from the pixels in a CCD chip.

Real Time Video

Is a picture with more than 24 frames per sec and therefore looks continuous.

Receiver Driver

Placed at the camera point and connected by either a coaxial or twisted pair cable. It is used to decode the incoming control signals for the pan, tilt and zoom functions.

Reed Switch

An alarm is activated when the reed switch is opened or closed. It is widely used with doors, windows, roller shutters etc. and can be used to activate equipment to bring the nominated camera up for extended viewing.

Regulated Power Supply

DC power supply in which the ripple factor is minimal.

Remote Head Camera

In this type of camera, the CCD chip is separated from the camera body by cable. It is used in applications where the amount of space available to fit the camera is limited.

Resolution

A measure of picture definition and clarity and is represented by the number of lines. Greater the number of lines, higher the resolution.

RG-11

Coaxial cable with a thicker centre core and used for transmission of video signals up to 500 m.

RG-59

Coaxial cable used for transmission of video signals up to 250 m. It is probably the most popular cable used in CCTV.

Ripple Factor

Is the amplitude variation present in a DC power supply due to insufficient filtering. A large variation can damage a DC camera.

RS-232

Is a communication protocol used for communication between microprocessor-based devices.

S-VHS

Super VHS is a type of video format in which the illuminance and chrominance signals are sent separately resulting in improved picture quality.

Salvo Switching

Is a feature in matrix switchers. On command from the matrix switcher or an alarm event, a group of cameras can be switched simultaneously onto a group of monitors.

Screen

Is a copper braid which covers the dielectric and centre core of a coaxial cable.

SECAM

Sequential Couleur A'Memorie, a colour television system used in France and few other countries.

Sensitivity of a Camera

Is the minimum light level required at the CCD chip which will generate a usable video picture. It is measured in lux.

**Sequential Switcher**

A type of switcher that allows multiple cameras to be displayed or recorded in full screen one at a time.

Shield

Is a copper braid which covers the dielectric and centre core of a coaxial cable. It protects the video signal from EMI.

Shutter Speed

Is the speed at which the charge is read out from the CCD chip. The factory setting is 1/50 sec (PAL) or 1/60 sec (NTSC) and can be increased up to 1/100,000 sec depending upon the camera brand. It can be changed by using dip switches or in some cases by the inbuilt menu in the camera.

Signal Loss

Is a reduction in signal strength expressed in decibels.

Signal to Noise Ratio

It is the ratio between the signal voltage and the noise voltage generated by an electronic circuit. It is measured in decibels (db).

Simplex

A description of a system which can handle only one channel of video, audio or data signal. In CCTV the term is used for multiplexers, where only one function can be performed eg recording multiplexed images, but displaying only in full screen.

Single Mode Cable

An expensive type of fibre optic cable with a narrow glass core which allows only a single path for signal transmission.

Silicon Wafer

Is a semiconductor material on which the CCD chips are etched.

Snow

Appears as small dots on the monitor and is caused by noise in the video signal.

Sodium Vapour Lamp

Is an artificial light source which is very efficient and uses sodium vapour to produce a yellow-orange light.

Spectral Response

Is the sensitivity of a device to different light frequencies.

Standard Angle Lens

This type of lens which provides a view which has the same proportions as seen by the human eye. It has a magnification ration of 1.

Step Down Transformer

This transformer is used in power supplies to step down or lower the main line voltage. The ratio between the number of turns of the primary coil to the secondary coil determines the step down voltage.

Stranded Cable

A type of cable in which a number of wires enclosed in an outer jacket are used to transmit the electrical signal.

Sunshield

A movable accessory placed on top of outdoor housings to prevent direct light falling on the camera.

Sync Generator

Is a device which generates sync pulses which are then used to synchronise cameras.

Synchronisation

A process which ensures that the formation of frames in a multi camera system start at the same time. There are different ways to achieve camera synchronisation.

Synchronous data transmission

Stands for a transmission technique that uses a control line to transmit control bits for correct transmission.

Telephoto Lens

This type of lens can be used to view far away objects. It has a magnification ration >1 .

Terminal Strip

Screw connection for interconnecting cables, various current ratings.

Test Pattern Generator

A device which generates a test pattern to be used to adjust and test a CCTV monitor.

Thermal Paper

Is a special type of paper used in video printers.

Time-Based Switching

Is a feature in matrix switchers which allows various programmed camera sequences to be initiated at various times.

Time Lapse VCR

A type of video cassette recorder especially designed for CCTV. It allows more recording time on a single video tape by not recording all the frames.

Time/Date Generator

A device which generates time and date and superimposes it on the video signal.

Touch Screen

Is a type of modern monitor screen. Action can be initiated by touching the relevant point on the monitor screen. Sometimes referred to as a GUI (Graphical User Interface).

Trapezoidal Distortion

Is a type of distortion in the monitor caused due to non uniform scanning which makes the scanning lines look wider at the top than at the bottom of the monitor.

Triaxial Cable

Is a type of coaxial cable which has two layers of shield to provide better protection against EMI.

Twisted Pair Cable

Is a type of balanced cable in which a pair of cables are twisted and the signal is divided between them.

Two Speed Recorder

Is a domestic VCR which has two speeds of recording/playback, standard and long play. The long play mode doubles the recording time of a standard tape.

Ultraviolet

Is electromagnetic radiation with a wavelength of less than 400 nm and is not visible to the human eye.

Unbalanced Cable

Is a type of cable in which the ends of the shields are grounded to different equipment with possibly varying ground potential. This unbalanced set up can give rise to ground loop currents and EMI induction.

UPS

Uninterruptible Power Supply stores electricity and supplies power to a CCTV system during a power failure.

Usable Video

Is the minimum video signal specified in the camera data sheet to generate an acceptable picture on the monitor. It is usually measured as a percentage of the full video.

Varifocal Lens

Is a type of manual zoom lens with a small zoom ratio (ranging between 3.5 mm to 70 mm depending on brand). It is used when the focal length of the lens needs to be fine tuned to meet the requirements of the actual scene.

Video Head

An internal part of a VCR which rotates very rapidly and writes the video signal on to the video tape during recording while reading the video signal from the tape during playback.

Vertical Resolution

Is the number of horizontal lines which can be resolved in a picture. It is limited by the television scanning method – NTSC, PAL etc.

Vertical Shift Register

Is a part of the interline transfer of a CCD chip, it is placed in between every column of the pixels. At the end of each frame the charge from the pixels are sent to the vertical shift register (VSR) and then row by row to the horizontal shift register.

Vertical Streaking

This type of picture distortion occurs due to overloading of the pixels in an interline transfer chip. It appears as vertical streaks above and below the bright part of the picture.

VHS

Video Home System is a type of popular recording format used in video cassette recorders.

Video Amplifier

Is used to boost the strength of a video signal.

Video Cassette Recorder

Is a device which can record (or playback) video and audio signals on a magnetic tape housed in a cassette.

Video Distribution Amplifier

The video distribution amplifier is used not only to boost the strength but also create multiple outputs of the video input signal.

Video Intercom

Is a door entry system which uses both audio and video to communicate and/or control movement of people.

Video Monitoring

Is an application which uses video to monitor remote sites in any part of the world. The video images are transmitted through the telephone network.

Video Motion Detection

Is a means which can detect change in the pixelation or movement in the picture and then generate an alarm.

Wattage

Is a unit of power measured in watts (W).

Wave Length

Is the distance travelled by an electromagnetic wave during one cycle.

Wide Angle Lens

A type of lens which gives a wide view of the scene and has a magnification ratio of less than 1.

Wide Dynamic Range

A camera with wide dynamic range is able to improve the image quality. It corrects too bright and too dark areas of the scene.

Zoom Lens

A type of lens with a variable focal length ranging from wide angle to telephoto.

Zoom Ratio

Is the ratio between the maximum and minimum focal length of a zooms lens.

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Embedded real-time video analysis



SISTORE CX EDS
Outdoor motion detection and tracking

or

SISTORE CX ODR
Detection of abandoned or removed objects

Up to 8 surveillance channels

Video switching



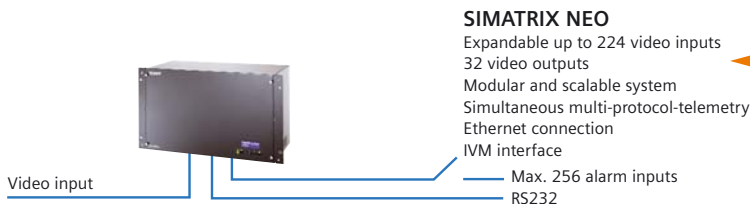
SIMATRIX 164
16 video inputs
4 video outputs
IVM interface
16 alarm inputs
RS232



SIMATRIX 648
Expandable up to 64 video inputs
8 video outputs
IVM interface
Max. 64 alarm inputs
RS232



SIMATRIX SYS
Expandable up to 255 video inputs
64 video outputs
IVM interface
Max. 256 alarm inputs
RS232



SIMATRIX NEO
Expandable up to 224 video inputs
32 video outputs
Modular and scalable system
Simultaneous multi-protocol-telemetry
Ethernet connection
IVM interface
Max. 256 alarm inputs
RS232

Digital recording



SISTORE AX
4/9/16 video inputs, up to 200 ips
Up to 4 audio channels
PTZ control
Export via DVD writer
IVM connection

SISTORE MX Hybrid video recorder
4-32 video inputs
Up to 32 IP camera inputs
Up to 200 ips
2/4 monitor outputs
1 audio channel
PTZ control
Export via DVD writer
IVM connection

SISTORE CX
Real-time video codec
4/8 video inputs, 200 ips (8 x 25 ips)
1/2 IP camera inputs
2/4 monitor outputs
PTZ control
IVM connection

Monitoring and control



Video (transmitted)



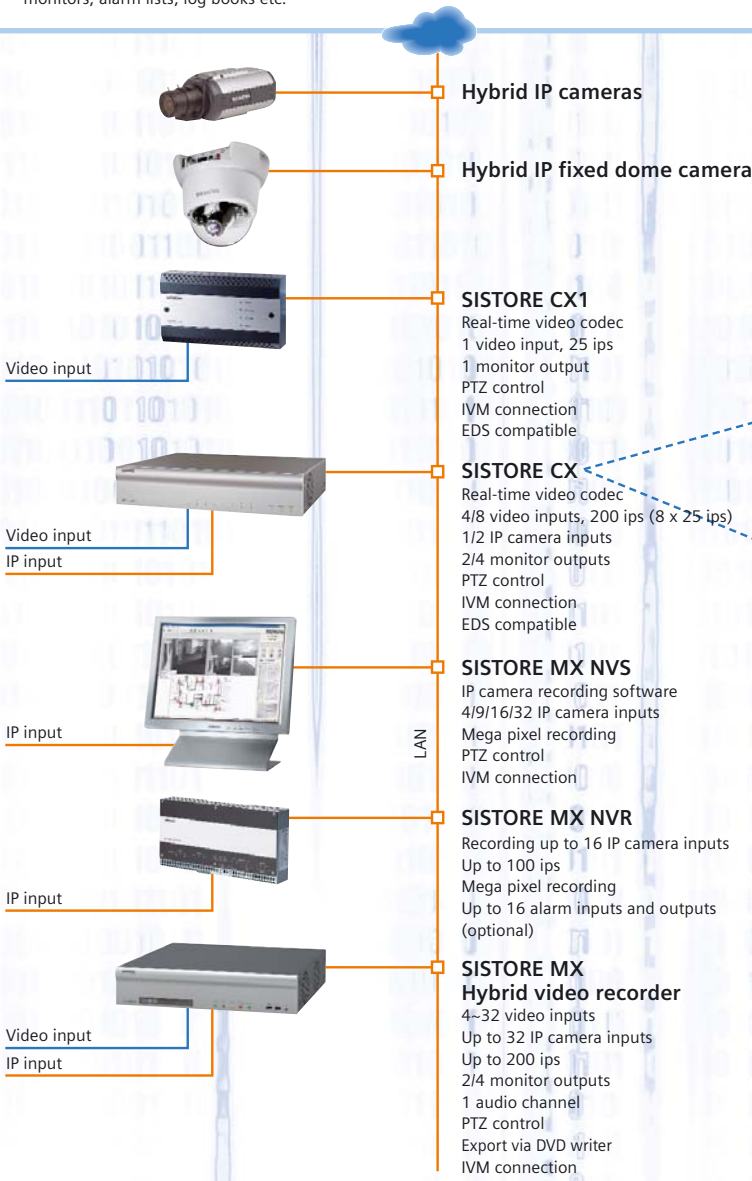
IVM security control

Interactive Video Management system

IVM is a scalable, open, interactive system for the control and operation of security applications:

- Controls analogue (SIMATRIX) matrix switchers
- Display of configured site plans with cameras, monitors, alarm lists, log books etc.

- Controls DVR systems (SISTORE)
- Compatible with SiPass access control
- Complete PTZ control
- Multi-client access



SISTORE CX

Transceiver (encoder & decoder)

Streaming:

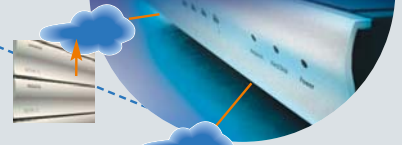
- 200 ips encoding (CIF, 2CIF)
- 100 ips encoding (4CIF)
- 100 ips encoding & 50 ips decoding (2CIF)
- 50 ips encoding & 50 ips decoding (4CIF)
- 100 ips decoding (2CIF, 4CIF)

Compression:

- 4CIF = ~ DVD quality
- 2CIF = ~ SVHS quality
- CIF = ~ VHS quality

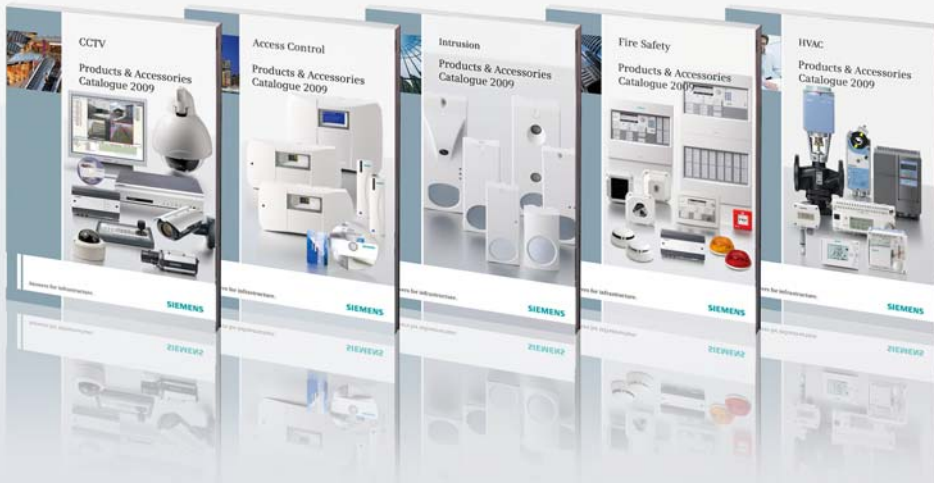


Codec



SISTORE CX

Virtual matrix
 Scalable digital solution
 Video encoder & decoder in one system
 Web-based control
 Multi-client/multi-server access
 Internal hard disk storage



Security, fire safety and HVAC product catalogues that are currently available

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With intelligent security products and systems, we protect people and assets everywhere.

As a basic human need, safety and security for people are a priority throughout all aspects of daily life, whether at home, travelling, or at work. For businesses this extends to securing assets and preventing business disruption. We help our customers achieve their desired level of security, from transportation networks to energy supplies, buildings and property in general, by providing them with intelligent products and systems – protecting people, processes and assets no matter where they are. www.siemens.com/buildingtechnologies

Answers for infrastructure.

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- optimum comfort and highest energy efficiency in buildings,
- safety and security for people, processes and assets,
- increased business productivity.



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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