



CCTV

SISTORE MX – the hybrid video surveillance system





A new dimension of surveillance

SISTORE MX is a flexible, hybrid surveillance and image recording system that can be used in a multitude of applications. From banks and industrial facilities to train stations and shopping centres, the system is designed for all applications. SISTORE MX is ideal for integration with other security systems due to the numerous connection possibilities available. Integrated motion detection enables both indoor and outdoor surveillance.

Transportation system



Safe and secure into the future with Siemens' hybrid technology

■ Hybrid recording system with up to 64 camera inputs

Siemens hybrid technology unifies both analogue and digital technologies in a single system, therefore allowing a smooth upgrade of existing systems. With ten available models, up to 32 standard analogue cameras and 32 IP cameras can be connected, with various hard disk size, and DVD burning options.

■ Integration in other systems

Via the integrated software interface, SISTORE MX can be controlled by IVM, the interactive video management software, SiPass access control system, and MM8000, the danger management system from Siemens, to name but a few.

■ PTZ control for both speed dome cameras and pan/tilt devices

Both speed dome and pan/tilt/zoom cameras can be controlled via the on-screen interface of SISTORE MX. Preset positions can be set and recalled simply, together with setting patrols, where the camera moves from one preset position to another automatically and "patrols" the facility.

■ Support of third-party IP cameras including PTZ control

SISTORE MX can also be connected to third-party IP cameras that have already been installed and, if these are functional cameras, then SISTORE MX also supports PTZ control over a network.

■ Full "pentaplex" operation

SISTORE MX is a pentaplex system – one which enables the user to simultaneously continue to record, watch a live multi-

screen picture display whilst playing back previously recorded video scenes on the same monitor and remote viewing over a network or dialup connection.

■ Tamper protection and temperature management integrated

This hybrid recording system is equipped with integrated sabotage protection, recognising camera re-positioning, covering, spraying and defocusing. The integrated temperature management reduces maintenance time and cost, ensuring true system protection.

■ Site plan feature for easy orientation in the monitored area

Cameras positioned in a site plan can be displayed easily via mouse click. This feature helps operating personnel to track suspicious people for example, without having to remember the next camera number.

■ Certified as complying with the German Accident Prevention Regulations for Banks (UVV Kassen)

SISTORE MX is certified as complying with the German Accident Prevention Regulations for Banks (the highest certification standard in Germany), which is required by every bank.

■ "Kalagate" security certification

SISTORE MX is certified by the Kalagate Imagery Bureau. Based in England, Kalagate independently certifies digital equipment verifying that the captured and stored images are admissible as evidence in criminal and civil judicial courts of law.

Highlights

- Hybrid digital recording system with up to 64 camera inputs
- Records up to 200 images per second
- Integration with IVM, SiPass, MM8000
- Control of PTZ and dome cameras
- Support of third-party IP cameras including PTZ control
- Full pentaplex operation
- Tamper protection and temperature management integrated
- Site plan feature
- Certified as complying with the German Accident Prevention Regulations for Banks (UVV Kassen)
- Kalagate security certification for use as evidence in court
- New model with integrated DVD burner

Banks



Retail stores



Comprehensive features that are simple to operate

■ Flexible remote monitoring

In networked applications during an alarm condition, SISTORE MX can provide a direct link to the remote viewing software, to allow immediate access to the images over the network, or send SMS and if required an e-mail. This included RemoteView software can also perform a "site-tour" – automatically connecting and disconnecting to pre-defined remote sites allowing the operator to simply sit back and watch the tour on the monitor.

■ Basic matrix switching

It is possible to have a total of 4 analogue monitor outputs – these can be used to switch any of the 32 analogue cameras, creating a basic 32 x 4 switcher. Monitors can be programmed to act as alarm monitors and SISTORE MX will automatically switch cameras upon alarm activation.

■ Reference image

Benefiting both installers and end users is the facility to store a "reference image" of the installed camera – so should it be moved, maliciously or otherwise, or simply if it has to be serviced, there is an exact record of its viewing position.

■ Various different display options

With the connection of up to 64 cameras possible, multiple screen display options are provided to the user to ensure the optimum viewing conditions.

■ Motion detection

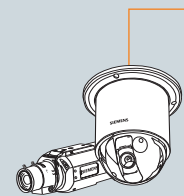
To optimise hard disk storage, the pixel-based motion detection system allows the user to define areas of interest in a scene and only when motion occurs inside this area, will the images be recorded.

■ Covert camera mode

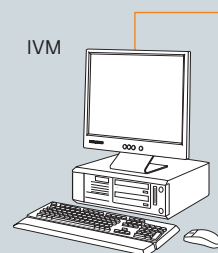
Any camera can be recorded, but not displayed depending upon the user level, so cameras monitoring cash registers could only be monitored by Managers for example.

■ Quick and easy searching

To ensure the fastest method of finding images, a mask can be defined in the area of interest, filtering the playback to only that area and ensuring no time is wasted watching hours of useless video. Also, there is the timeline search, showing all recorded images across the cameras, including showing movement detection, alarm triggers etc. – just drag the line to the time or date required – simple. Of course it is also possible to search according to standard criteria such as date, time, camera and logbook.



Up to 32 analogue cameras can be connected to the system; these can be a mixture of colour or mono, indoor or outdoor cameras, pan/tilt/zoom cameras, fixed cameras or speed dome cameras.



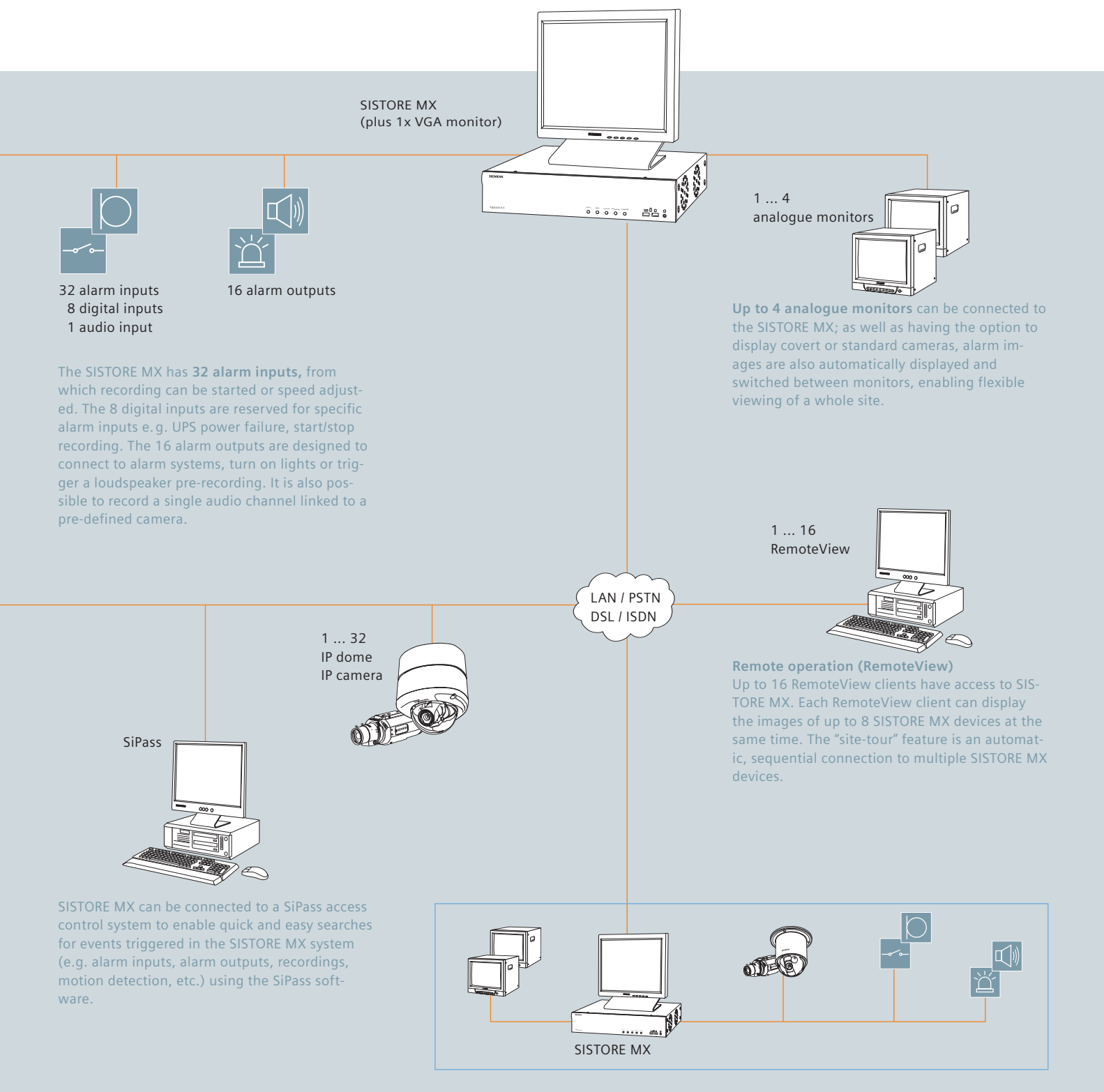
IVM (Interactive Video Software) for integrated control of video systems. This management system allows the operator to control a security system via the graphical user interface.

Various different display options



Motion detection





Quick and easy searching using timeline or filter.



Additional features provided by SISTORE MX



■ Site plan feature

It is always difficult to remember all camera numbers and positions. The new site plan feature of SISTORE MX provides a full visual overview of a facility. Site plans or photos of facilities can be loaded easily by adding the appropriate symbol for the camera position to the site plan. In addition to this, it is possible to add additional cards for individual rooms or floors and link these so as to be able to easily switch between rooms or floors. This is an important feature for operating personnel when tracking suspicious persons on the premises.

■ Cash register connection

The serial interface with which SISTORE MX is equipped can be used to connect various different cash register systems, therefore making the system suitable for use in retail stores, shopping centres etc. Recording can be initiated for a corresponding camera based on special word/line filters placed on the data sent from the cash register as well as defined alarm filters. The same filter words can then be used as search criteria for subsequent research.

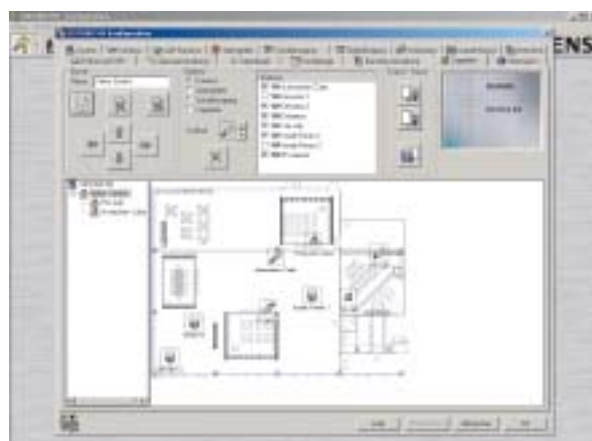
■ Automatic backup

SISTORE MX can automatically backup full or partial video and audio recordings on an external drive. The time and days of the week can be configured for backup. The user can choose whether to carry out full or incremental backup. As opposed to full backup, incremental backup is used to store all files that have been created since the last backup therefore requiring considerably less time and storage capacity on the target drive.

The site plan feature helps operating personnel track suspicious persons.



Simply add and position cameras on the site plan via drag and drop.



■ Multiple server operation

The new multiple server operation feature enables simultaneous access to several SISTORE MX devices from a remote operating station and therefore allows for monitoring several locations at the same time using RemoteView. Images from a specific camera are displayed by simply selecting the camera from the list. Up to 768 (8 x 96) cameras can be listed and live images from up to 36 (6 x 6) cameras can be displayed at once.

■ High image quality and recording speed

- Highest image quality
- Individually programmable recording speed for each camera
- Connect up to 32 IP cameras via the network for true digital recording, as well as standard analogue cameras via coaxial cable

■ Alarm

- Automatic connection to monitoring station with RemoteView software in case of alarm
- Notification (e.g. alarm, fault) via e-mail or SMS

■ Versatile recording settings

- Recording of alarm history, individually programmable for each camera
- Intelligent motion detection, individually programmable for each camera
- Flexible configuration via time control for all features
- AND link via digital inputs
- Audio recording with allocation to a specific camera
- Stored reference image which can be used to check the installed camera position
- Encrypted images for the most secure recording
- Viewing of cameras depending upon user password level (covert camera mode)

■ Various playback possibilities

- Playback overview via timeline, log book, date and time, or to enable filtered playback, via search mask (all available with RemoteView software)
- Synchronised playback of up to 4 cameras, including via LAN or ISDN




■ Remote operation using RemoteView software

- Simultaneous playback of up to 32 live images (multiplexed) using RemoteView
- Multiple clients can access a SISTORE MX device at the same time
- "Site-tour" feature, automatically connecting to and from remote locations
- Multiple servers on a single client
- Licence-free RemoteView software for network operation

■ Additional innovative features

- Various languages integrated
- Status display of digital outputs including via RemoteView
- Programmable bandwidth restriction for LAN and ISDN
- 4 USB ports for connecting external devices (e.g. CD/DVD burner)
- Watchdog feature for constant monitoring to ensure the safest systems
- SCSI port for connecting Siemens approved RAID systems
- Extensive user management features
- Flexible, user-friendly calendar management for public holidays, vacation time, etc.

Display
Video inputs (analogue)
Video inputs (digital IP / Ethernet)
Monitor outputs
Audio inputs / outputs
Video resolution (H x V)
Live display formats
Covert camera mode
Recording
Maximum recording speed – no local playback
Maximum recording speed – during local playback
Maximum recording speed – playback via RemoteView software
Recording schedules
Alarms
Alarm inputs
Digital inputs
Alarm outputs
Video loss detection
Activity detection
Internal buzzer
Alarm log
Sabotage detection
Controls
Easy-search via mask or timeline
PTZ / dome control
Fast forward / rewind controls
Password protection
Connectivity
Ethernet LAN/WAN connector (10/100 Mbps)
External modem connector (ISDN)
RemoteView software (license-free)
VSS-SDK / IVM / MM8000
SiPass access control interface
Export / Backup
Image export
Image backup / archive
Hard disk expansion possibility

MX4 250/50 MX8 250/50 MX16 500/50	MX16 500/100 MX24 500/100 MX32 750/100	MX3204 *250/150 DVD MX3208 250/200 DVD MX3216 500/200 DVD MX3232 1000/200 DVD
		
4 / 8 / 16	16 / 24 / 32	4 / 8 / 16 / 32
32	32	32
3 (2 x BNC, 1 x VGA)	5 (4 x BNC, 1 x VGA)	*3 (2 x BNC, 1 x VGA) 5 (4 x BNC, 1 x VGA)
1	1	1
704 x 288 (high) 384 x 288 (standard) 1280 x 1024 (IP megapixel)	704 x 288 (high) 384 x 288 (standard) 1280 x 1024 (IP megapixel)	704 x 288 (high) 384 x 288 (standard) 1280 x 1024 (IP megapixel)
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	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
■	■	■
50 ips – analogue cameras 100 ips – IP cameras	100 ips – analogue cameras 100 ips – IP cameras	100 ips – analogue cameras 100 ips – IP cameras
50 ips – analogue cameras 100 ips – IP cameras	100 ips – analogue cameras 100 ips – IP cameras	100 ips – analogue cameras 100 ips – IP cameras
50 ips – analogue cameras 100 ips – IP cameras	100 ips – analogue cameras 100 ips – IP cameras	100 ips – analogue cameras 100 ips – IP cameras
user-defined	user-defined	user-defined
16	32	*16 / 32
4	8	*4 / 8
8	16	*8 / 16
■	■	■
> 25,000 zones	> 25,000 zones	> 25,000 zones
■	■	■
■	■	■
■	■	■
■	■	■
■	■	■
x0,1 to x50 speed	x0,1 to x50 speed	x0,1 to x50 speed
9 levels	9 levels	9 levels
■	■	■
via USB	via USB	via USB
■	■	■
■	■	■
■	■	■
JPG, AVI, K26	JPG, AVI, K26	JPG, AVI, K26
USB to CD/DVD burner	USB to CD/DVD burner	Internal DVD burner
System harddisk plus up to 3 extensions	System harddisk plus up to 3 extensions	System harddisk plus up to 2 extensions



Complementing the range of models: SISTORE MX with DVD burner.

Welcome to the world of innovative thinking

■ Innovation

Siemens invests a great deal in both manpower and research and development. This results in a steady stream of new insights, technologies and inventions that enable us to improve the reliability of our products and systems, ensuring the securest products and making our systems even more simple and convenient to operate.

Advances in digital technologies are creating a whole new world of possibilities. Siemens is at the leading edge of progress in this field and continues to redefine both current and future technologies.

■ Reliability

With a history of over a hundred years, if you need an established, reliable partner you are in the very best of hands with Siemens. System expansions and upgrades can be continuously made over a period of years, which ensures your investment for the future.

■ Security

Siemens products and systems provide you with security. Today, tomorrow and for decades to come. That's why countless customers around the world place their trust in Siemens.



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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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CCTV

Siemens cameras:
For the best pictures
in all lighting
conditions.





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 to cover all customer needs. Siemens offers solutions for every application, for indoor and outdoor, from the inexpensive 1/3" CCD DSP version to the innovative 1/2" top model, 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 a "sharper image" in any environment.

...produce images of the highest quality

■ Secure surveillance even under extreme light conditions

Lighter and darker areas in the picture are not a problem for cameras from Siemens. The Wide Dynamic function, as applied e.g. in the model CCWC1345, can compensate varying light conditions and therefore produce top quality images.

■ Setting privacy zones to protect sensitive image areas

To hide sensitive areas, privacy zones can be configured in the camera view. Depending on the camera model, up to 8 zones can be defined at any position in the image.

■ Automatically switching day-night cameras

In automatic day-night mode, the camera switches automatically to colour or monochrome according to the lighting level, ensuring crisp clear images 24 hours a day. The switching point, which depends on the lighting level, and the delay time for switching the day-night setting when the lighting changes, can be selected by the user. All day-night cameras have an infrared cut filter that enables the camera to generate particularly sharp images by day or night and makes the camera sensitive to infrared light in monochrome mode.

In addition to automatic operation, the camera can be switched manually to monochrome via an external relay input, for example when using a photocell that detects lighting levels.

■ Test image generator facilitates accurate setting of multiple monitors

Many of the camera models can produce a test image as a video output. This test image generator enables the calibration of multiple monitors, for example in a control room. Monitors calibrated to the same settings display images with the same colour, brightness, contrast etc. and are therefore easier and clearer to view for security personnel, when switching the same camera to another monitor.

■ User-friendly back focus adjustment

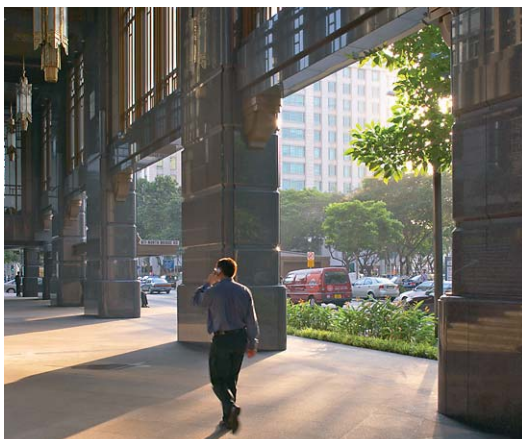
Correct setting of back focus is the basic prerequisite for uniformly high image quality by day or by night. There is a settings "wizard" available to help achieve the best back focus adjustment. This, together with the manual thumb wheel, make the adjustment very simple.

■ Video images via an Ethernet network with the new super-high resolution indoor IP camera CCIS1337

Images from the new super-high resolution IP camera CCIS1337 can be transmitted over any Ethernet network and displayed via a standard web browser. Additional features, such as day-night mode, the mechanical infrared cut filter, MJPEG compression and Power over Ethernet (PoE) technology make this camera a true top-class model.

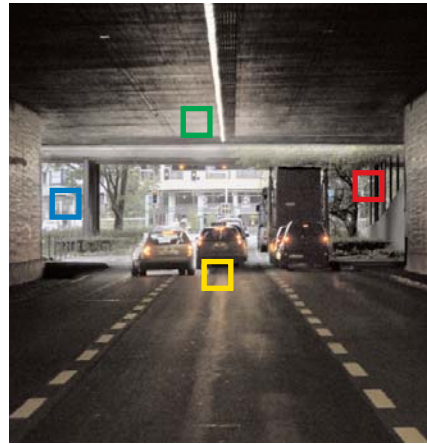
Highlights

- Optimised images even under extreme light conditions with Pixim® technology and Wide Dynamic
- Privacy zones to protect sensitive image areas
- Day-night cameras with automatic switching
- Test image generator for accurate calibration of multiple monitors
- User-friendly back focus adjustment
- Video images via an Ethernet network with the new super-high resolution IP camera CCIS1337





Overexposed image with view outside tunnel not clearly visible.



Optimised exposure per pixel using Pixim® Technology even in areas of shadow or brightly lit zones.

CCWC1345 – the latest high-resolution colour camera from Siemens uses Pixim® Technology and Wide Dynamic

The latest Siemens high-resolution Wide Dynamic camera CCWC1345 uses Pixim, Inc.'s advanced "Digital Pixel System"™ technology (DPS) to offer outstanding performance under extreme lighting conditions. This technology allows each pixel in the image to act as an independent camera. Thereby ensuring that each pixel receives exactly the right amount of light and enhancing the total image to deliver optimum quality.

DPS technology also compensates for overexposed and underexposed areas in the image, making it possible for this camera to produce richly detailed images with a resolution that was previously unattainable. Difficult scenes containing areas of shadow or brightly lit zones can now be monitored with confidence.

In addition to the normal BNC coaxial video connection for up to 200 m, the camera features a two-wire video output that allows video signal transmission over a distance of up to 1200 m using a simple two-wire cable (telephone cable for example). A two-wire receiver is the only extra piece of equipment required.

Integral motion detection also makes this camera capable of simple "stand-alone" scene surveillance.

Siemens cameras are renowned for excellent design and functionality and the new CCWC1345 is no exception. For

example, the CCWC1345 features an OSD menu for easy programming, backlight compensation for 6 zones, an integral test image generator to help when setting up multiple monitors and a settings "wizard" for optimum back focus adjustment. Moreover, the camera can be remotely-programmed via an RS485 interface and allows a privacy zone to be defined in the video image.

The camera's ability to switch between PAL and NTSC video makes it suitable for use in video surveillance systems all over the world.

Privacy zones protect PIN number and account information.



IP camera with Power over Ethernet or "quick" connectors for 12V DC/24V AC.



CCIS1337 IP camera with Hybrid Technology from Siemens

Due to Hybrid Technology from Siemens the IP camera CCIS1337 offers truly the best of both worlds, as a standard analogue BNC connection is present for use in traditional CCTV systems. However, with Hybrid Technology from Siemens, the camera is future-proof, because as the system is transferred to digital (i.e. swapped from coaxial cable to Ethernet transmission), these Siemens cameras also have an Ethernet connector to allow direct connection to an IP network.

Siemens IP cameras capture and send live streaming video directly over an IP network that enables users to view and manage the camera using a standard web browser or SISTORE MX NVS (network video recorder) software on any local or remote computer on a network. Therefore transmission distances are no longer a problem.

■ SISTORE MX NVS – Network Video Software

SISTORE MX NVS software allows all the functionality of the highly successful SISTORE MX digital recording system to take place directly on a PC. This means it is possible to record IP cameras on your PC, via password access restrict the viewing of the cameras and utilise the many multi-screen viewing formats possible (up to 32 IP cameras can be recorded and viewed simultaneously). Of course if required you can manage any alarms connected, or make use of the in-built motion detection and sabotage detection alarms.

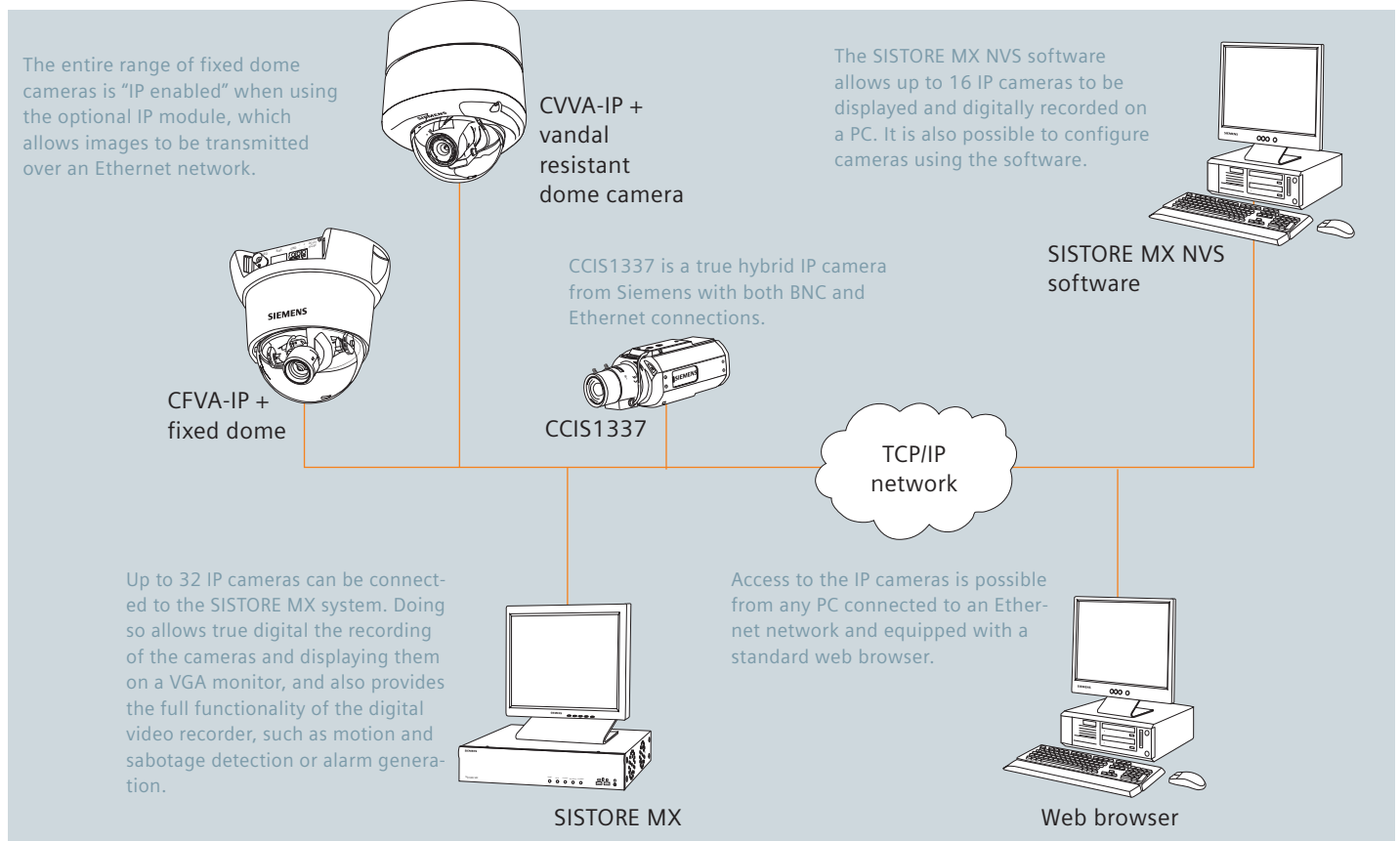
■ SISTORE MX NVR – Network Video Recorder

Each SISTORE MX NVR supports the recording and management of up to 16 IP cameras. It also features additional functions such as motion or sabotage detection and many more.

■ Installation

An IP based Ethernet network infrastructure is often already in place, which means the IP camera can simply be connected to the nearest network connection. Simply set the IP address and you're up and running! Adding more IP cameras to the system is as easy as the first one.

With the facility of Power over Ethernet (PoE) – supplying power directly over the network cable – an external power supply is unnecessary, making installation much easier. However, of course the camera can be powered using a conventional power supply, if required.





Too bright



Too dark

Optimal images around-the-clock

■ Better images with any lighting conditions

Cameras from Siemens use amongst others the latest double density DSP technology (Sony SS2-WD). By compensating underexposed or overexposed areas of the picture, the cameras can deliver the clearest image results even with difficult lighting conditions, such as in tunnels, brightly lit scenes, or strongly lit backgrounds.

All models feature back-light compensation modes, that are used for enhancing objects in back-lit scenes, which previously would have been seen as silhouette. Additionally, the electronic shutter ensures blur-free images even when recording fast moving objects. This is useful for applications such as license plate recognition.

■ Optimal settings give the best pictures

The cameras provide more than just top-quality images. They are also extremely easy to use. Configuration of their comprehensive functions is a simple matter with the clear, logical OSD menu.

As an alternative to configuration with the OSD menu, cameras are available with simple DIP switches for setting functions.

■ Cameras from Siemens are simple to install and look great

The cable management on the top and bottom of the camera makes it easy to connect auto-iris lenses with various cable lengths. After installation is completed, the lens cable is concealed under the cover, giving a clean, professional appearance that simply looks neat and tidy.

There is a connection available on the side and the back of the camera to provide as much convenience as possible for connecting auto-iris lenses.

Small details, such as the power connection on the back with an LED display for power of the operating status, or the quick-connect for simple connection of the supply voltage and control signals, make it easier for installers to set the system up and make it ready to operate without using additional tools.

■ Camera title

A specific identifying text can be defined for each camera to help a user recognise quickly which camera image is currently being shown.

Simple DIP switches for configuring functions.









Control buttons for the OSD menu for configuring the comprehensive functions.









Cable management on the top and bottom of the camera facilitate a tidy, professional installation.



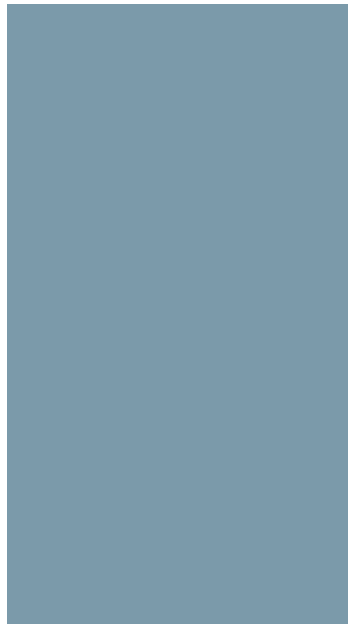
Technical overview

	CCBS1225	CCBC1225	CCBB1225	CCWC1335	CCBS1337	CCBC1337
						
	Day-Night Wide Dynamic	Colour Wide Dynamic	Monochrome Wide Dynamic	Day-Night Wide Dynamic	Day-Night	Colour
Image sensor	1/2" CCD	1/2" CCD	1/2" CCD	1/3" CCD	1/3" CCD	1/3" CCD
TV lines	480	480	580	480	540	540
Resolution	High resolution	High resolution	High resolution	High resolution	Super-high resolution	Super-high resolution
CMOS Pixim® Technology						
TV standard	PAL	PAL	CCIR	PAL or NTSC*	PAL or NTSC*	PAL or NTSC*
Power supply 12 VDC / 24 VAC dual 110 ~ 240 VAC	■	■	■	■ ■	■ ■	■ ■
Min. 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)	0.5 Lux (colour) (@ F1.4)
Slow shutter	■	■	■	■		
Programmable shutter speed	■	■	■	■	■	
S/N ratio	> 50 dB	> 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 / OFF 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	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)						

CCBC1325	CCWC1345	CCBS1345	CCBC1345	CCBB1345
				
Colour	Colour Wide Dynamic	Day-Night	Colour	Monochrome
1/3" CCD	1/3" CMOS	1/3" CCD	1/3" CCD	1/3" CCD
480	500	480	480	580
High resolution	High resolution	High resolution	High resolution	High resolution
	■			
PAL or NTSC*	PAL and NTSC*	PAL or NTSC*	PAL or NTSC*	CCIR or EIA*
■ ■	■ ■	■ ■	■ ■	■ ■
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
	■			
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	1 zone	1 zone	1 zone
	■			
■	■	■	■	■
■	■	■	■	■
■	■	■	■	■
	1			
	■			
	■			
	■	1 x input		
	■			
	■			
	■	■		
	■			

	CCIS1337
	
	Day-Night
Image sensor	1/3" CCD
TV lines	540
Resolution	Super-high resolution
Compression standard	MJPEG
TV standard	2:1 interlace PAL 50 Hz vertical 15.625 Hz horizontal
Streaming	QCIF (176x144): 25ips CIF (352x288): 25ips 4CIF (704x576): 10ips
Min. illumination (@ 50 IRE)	0.4 Lux (colour) 0.08 Lux (mono) (@ F1.4)
Pixels	752 (H) x 582 (V)
Programmable shutter speed	■
S/N ratio	> 50 dB
Automatic gain control (AGC)	OFF, Normal, Turbo, max. 30 dB
Camera title overlay	16 characters
Colour/Monochrome switchable	■
Infrared cut filter	■
Automatic white balance	■
Back light compensation	6 zones
Quick-connect	■
Cable management	■
One screw easy back focus	■
Line lock synchronisation	■
Parametrisation	HTTP Browser
PTZ control	via RS485
Alarm input	■
S-VHS Y/C output	■
Protocols	ARP, BOOTP/DHCP, TCP/IP, HTTP, ICMP, SNMP, FTP und DNS
Power supply	12 VDC / 24 VAC / PoE

*Model available on request.



Wide Dynamic ON

■ **Highly innovative 1/2" models**

All 1/2" models have additional innovative functions. They have an integrated camera identification, which in monitoring systems with multiple cameras allows each individual unit to be addressed separately. This offers particular advantages in conjunction with RS485 interfaces, because it facilitates convenient remote control.

Moreover, an alarm signal can cause four digital images to be stored in the camera. These pictures can then be accessed remotely.

■ **Accurately detailed colour image playback with up to 540 lines of horizontal resolution**

The new super-high resolution CCBC1337 and CCBS1337 models as well as the new IP camera CCIS1337 offer 540 lines of horizontal resolution and therefore ensure pictures with the most detailed information.

■ **Remote configuration via RS485**

With the remote control software installed on a PC, a combination of up to 255 cameras (colour cameras and day-night cameras) can be addressed and configured individually on an RS485 bus. The settings can not only be changed; they can also be saved or loaded onto a camera from a saved file. This facilitates fast, trouble-free configuration of a new camera.

Welcome to the world of innovative thinking

■ **Innovation**

Siemens invests a great deal in both manpower and research and development. This results in a steady stream of new insights, technologies and inventions that enable us to improve the reliability of our products and systems, ensuring the securest products and making our systems even more simple and convenient to operate.

Advances in digital technologies are creating a whole new world of possibilities. Siemens is at the leading edge of progress in this field and continues to redefine both current and future technologies.

■ **Reliability**

With a history of over a hundred years, if you need an established, reliable partner you are in the very best of hands with Siemens. System expansions and upgrades can be continuously made over a period of years, which ensures your investment for the future.

■ **Security**

Siemens products and systems provide you with security. Today, tomorrow and for decades to come. That's why countless customers around the world place their trust in Siemens.



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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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