



CC3710S Series Digital CCD Color Camera

1/3-INCH, STANDARD RESOLUTION, 330 TVL (NTSC/PAL)

Product Features

- 1/3-Inch Format CCD Imager
- Digital Signal Processing
- 330 TV Lines Resolution
- 0.6 Lux Sensitivity
- UTP Output Standard
- Setup Service Connector
- C/CS Lens Mount
- Autosensing DC/Video Auto Iris Drive
- Electronic Shutter Control (ESC)
- Automatic Gain Control (AGC)
- Broad Spectrum Automatic White Balance
- Phase Adjustable Line Lock
- Backlight Compensation
- Internal Top/Bottom Mount
- Low-Voltage and High-Voltage Models
- Optional Integral Feedthrough Mount



(LENS AND MOUNT NOT SUPPLIED WITH CAMERA)

The **CC3710S Series** is a standard resolution digital color camera with 330 TV lines.

The **CC3710S Series** digital camera is quick and easy to install. The camera has a quick connect power connection, UTP output (through an RJ-45 connector), BNC video connector, service connector (handy for attaching a local video test monitor during camera setup) and internal mount for either top or bottom mounting.

The camera features broad spectrum automatic white balance, automatic gain control, electronic shutter control, digital signal processing, automatic backlight compensation, flickerless mode, and line lock with phase adjust. To adjust one of the camera's fine-tuning features, just use the corresponding DIP switch on the back panel of the camera.

The **CC3710S Series** digital camera also includes a 1/3-inch imager, accepts (and autosenses) DC and video drive auto iris lenses, and has adjustable back focus to accommodate C or CS lenses. Back focus adjustment is easy with the lockable thumb wheel, accessible from the top or bottom of the camera. This camera is available in both high voltage and low-voltage models.

Accessories include the PCM150, a Pelco camera mount designed specifically for the **CC3710S Series**. This adjustable, well-designed mount has no exposed cabling or hardware. All cable is integrated in the unit, making installation quick and easy. The PCM150 can be installed directly to a wall, ceiling, or adapted to most standard electrical boxes worldwide.



DataFAX
SPEC: 22917
MANUAL: 229146

C2917 / REVISED 7-04



International Organization
for Standardization
Registered ISO 9001



TECHNICAL SPECIFICATIONS

MODELS

| | |
|------------|---|
| CC3710S-6 | 1/3-inch standard resolution digital color CCD camera, 330 TVL, 24 VAC or 12 VDC, NTSC format |
| CC3710S-6X | Same as CC3710S-6 except PAL format |
| CC3710S-7 | 1/3-inch standard resolution digital color CCD camera, 330 TVL, 98-260 VAC, NTSC format |
| CC3710S-7X | Same as CC3710S-7 except PAL format |

GENERAL

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|----------------------------|--|
| Imaging Device | 1/3-inch interline transfer CCD |
| Picture Elements | |
| NTSC | 510 (H) x 492 (V) |
| PAL | 500 (H) x 582 (V) |
| Sensing Area | 6 mm diagonal |
| Scanning System | |
| NTSC | 525 lines, 2:1 interlace |
| PAL | 625 lines, 2:1 interlace |
| Synchronization System | Pelco V-sync/AC line lock/internal |
| Horizontal Resolution | 330 TV lines |
| Iris Control | Selectable on/off |
| Electronic Shutter Range | |
| NTSC | 1/60-1/100,000 second |
| PAL | 1/50-1/100,000 second |
| Auto Iris Lens Type | DC/video drive (AutoSense) |
| Minimum Illumination | 0.6 lux, F1.2, 40 IRE, AGC on, 75% reflectance |
| Signal to Noise Ratio | >50 dB |
| Vertical Phase | Adjustable $\pm 120^\circ$ |
| Automatic Gain Control | On/off switchable |
| Electronic Shutter Control | On/off switchable |
| Backlight Compensation | On/off switchable |
| Flickerless Mode | On/off switchable |
| Internal Sync | On/off switchable |
| Auto White Balance | On/off switchable |
| Signal Processing | Digital Signal Processing (DSP) |
| Video Output | 1 Vp-p, 75 ohms |
| Auto White Balance Range | 2,500° to 9,500°K |
| Gamma Correction | 0.45 |

ELECTRICAL

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| Power Requirements | |
| CC3710S-6, S-6X | 20.4-27.6 VAC or 10.2-13.8 VDC |
| CC3710S-7, S-7X | 98-260 VAC |
| Power Consumption | Less than 5 watts |
| Power Connector | |
| CC3710S-6, S-6X | 2-pin terminal strip |
| CC3710S-7, S-7X | Integral power cable |
| Video Connector | BNC or RJ-45 |
| UTP Connector | RJ-45 |
| Lens Jack | 4-pin connector (miniature square) |
| Service Connector | 2.5 mm jack for optional ICS090-SC (service cable) |

MECHANICAL

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| Lens Mount | C/CS mount (adjustable) |
| Camera Mount | 1/4-inch UNC-20 screw, top or bottom of camera housing |

ENVIRONMENTAL

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| Operating Temperature | 14° to 122°F (-10° to 50°C) |
| Storage Temperature | 14° to 158°F (-10° to 70°C) |
| Operating Humidity | 20% to 80%, non-condensing |
| Storage Humidity | 20% to 90%, non-condensing |

PHYSICAL

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| Dimensions | 5.0" L x 2.9" W x 2.6" H (12.8 x 7.2 x 6.7 cm) |
| Weight (without lens) | 0.8 lb (0.4 kg) approximate |
| Shipping Weight | 2 lb (0.9 kg) approximate |

CERTIFICATIONS

- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B

ACCESSORIES

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| Supplied Accessories | Lens mount cap |
|----------------------|----------------|

RECOMMENDED MOUNTS

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|----------------------------------|--|
| PCM150-6 | Adjustable camera mount for wall or ceiling application. Includes integrated cable for easy plug and play operation. Can also be adapted to most standard electrical boxes worldwide. 12 VDC/24 VAC input. |
| PCM150-7 | Same as PCM150-6 except 98-260 VAC input. |
| BS1750/CM1750/ CM1750S/TB1750 | Adjustable swivel head camera mounts for wall, ceiling or pedestal mounting. |
| CM1450 | Adjustable swivel head camera mount for wall mounting. |
| CM4400/EM4400 | Adjustable swivel head or tilt-table camera mounts for wall or ceiling mounting. |

RECOMMENDED POWER SUPPLIES

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|------------|---|
| TF2000 | Power supply for one 24 VAC camera, 20 VA |
| MCS Series | Multiple 24 VAC camera power supply, indoor |
| WCS Series | Single/multiple 24 VAC camera power supply, outdoor |

RECOMMENDED LENSES

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| 13FA, FD Series | Fixed focal length lenses, 1/3-inch format: FA (manual iris), FD (auto iris, DD) |
| 13VA, VD Series | Varifocal lenses, 1/3-inch format: VA (manual iris), VD (auto iris, DD) |
| 13ZM, ZD Series | Motorized zoom lenses, 1/3-inch format: ZM (manual iris), ZD (auto iris, DD) |

NOTE: For outdoor camera installations, a Pelco enclosure is recommended.



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