



CC3710H Series Digital CCD Color Camera

1/3-INCH, HIGH RESOLUTION, 480 TVL (NTSC/PAL)

Product Features

- 1/3-Inch Format CCD Imager
- Digital Signal Processing
- 480 TV Lines Resolution
- 0.7 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 **CC3710H Series** is a high resolution digital camera with 480 TV lines.

The **CC3710H 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 **CC3710H 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 **CC3710H 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: 22916
MANUAL: 229146

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International Organization
for Standardization;
Registered ISO 9001



TECHNICAL SPECIFICATIONS

MODELS

CC3710H-6	1/3-inch high resolution digital color CCD camera, 480 TVL, 24 VAC or 12 VDC, NTSC format
CC3710H-6X	Same as CC3710H-6 except PAL format
CC3710H-7	1/3-inch high resolution digital color CCD camera, 480 TVL, 98-260 VAC, NTSC format
CC3710H-7X	Same as CC3710H-7 except PAL format

GENERAL

Imaging Device	1/3-inch interline transfer CCD
Picture Elements	
NTSC	768 (H) x 494 (V)
PAL	752 (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	480 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	0.7 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

Power Requirements	
CC3710H-6, H-6X	20.4-27.6 VAC or 10.2-13.8 VDC
CC3710H-7, H-7X	98-260 VAC
Power Consumption	Less than 5 watts
Power Connector	
CC3710H-6, H-6X	2-pin terminal strip
CC3710H-7, H-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

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

ENVIRONMENTAL

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

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

PHYSICAL

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

Supplied Accessories	Lens mount cap
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RECOMMENDED MOUNTS

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

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

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)



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