MC3710H Series CCD Black-White Camera

1/3-INCH, HIGH RESOLUTION, 570 TVL (EIA/CCIR)

Product Features

- 1/3-Inch Format CCD Imager
- 570 TV Lines Resolution
- 0.07 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)
- Phase Adjustable Line Lock
- GenLock (external synchronization)
- Backlight Compensation
- Internal Top/Bottom Mount
- Low-Voltage and High-Voltage Models
- Optional Integral Feedthrough Mount

(LENS NOT SUPPLIED WITH CAMERA)

The **MC3710H Series** is a high resolution black-white camera with 570 TV lines.

The **MC3710H Series** camera is quick and easy to install. The camera has a quick connect power connection, UTP output (through an RJ45-10 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 automatic gain control, electronic shutter control, automatic backlight compensation, flickerless mode, line lock with phase adjust, and GenLock (for synchronizing a multiple camera installation). To adjust one of the camera's fine-tuning features, just use the corresponding DIP switch on the back panel of the camera.

The **MC3710H Series** 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.

Optional accessories include the PCM150, a Pelco camera mount designed specifically for the **MC3710H 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 or ceiling or adapted to most standard electrical boxes worldwide.

MODELS

MC3710H-6	1/3-inch high resolution black-white CCD camera, 570 TVL, 24-28 VAC ±10% or 12-36 VDC ±10%, EIA format
MC3710H-6X	Same as MC3710H-6 except CCIR format
MC3710H-7	1/3-inch high resolution black-white CCD camera, 570 TVL, 110-240 VAC ±10%, EIA format
MC3710H-7X	Same as MC3710H-7 except CCIR format

GENERAL

Imaging Device	1/3-inch interline transfer CCD
Picture Elements	
EIA	768 (H) x 494 (V)
CCIR	752 (H) x 582 (V)
Sensing Area	6 mm diagonal
Scanning System	
EIA	525 lines, 2:1 interlace
CCIR	625 lines, 2:1 interlace
Synchronization System	AC line lock/internal, GenLock (external)
Horizontal Resolution	570 TV lines
Iris Control	Selectable on/off
Electronic Shutter Range	
EIA	1/60-1/100,000 second
CCIR	1/50-1/100,000 second
Auto Iris Lens Type	DC/video drive (autosensing)
Minimum Illumination	0.07 lux, F1.2, 40 IRE, AGC on, 75% reflectance
Signal to Noise Ratio	>50 dB
Vertical Phase	Adjustable ±180°
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
GenLock	On/off switchable
Signal Processing	Digital Signal Processing (DSP)
Video Output	1 Vp-p, 75 ohms
Gamma Correction	0.45

ELECTRICAL

Power Requirements	
MC3710H-6, H-6X	24-28 VAC ±10% or 12-36 VDC ±10%
MC3710H-7, H-7X	110-240 VAC ±10%
Power Consumption	Less than 4 watts
Power Connector	
MC3710H-6, H-6X	2-pin terminal strip, RJ45-10 connector
MC3710H-7, H-7X	Integral power cable
Video Connector	2 BNCs (video and GenLock) or RJ45-10
Service Connector	2.5 mm jack for optional ICS090-SC service/monitor cable (compatible with any standard monitor BNC connector)
UTP Connector	RJ45-10
Lens Jack	4-pin connector (miniature square)

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

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

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 100-240 VAC ±10% 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)

OPTIONAL ACCESSORIES

ICS090-SC	4-foot service/monitor cable; compatible with any standard monitor BNC connector
CST100/CST150	Camera setup tool

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