



MC3710S Series CCD Monochrome Camera

1/3-INCH, STANDARD RESOLUTION, 380 TVL (EIA/CCIR)

Product Features

- 1/3-Inch Format CCD Imager
- 380 TV Lines Resolution
- 0.06 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
- Backlight Compensation
- Internal Top/Bottom Mount
- Low-Voltage and High-Voltage Models
- Optional Integral Feedthrough Mount



(LENS AND MOUNT NOT SUPPLIED WITH CAMERA)

The **MC3710S Series** is a standard resolution monochrome camera with 380 TV lines.

The **MC3710S Series** 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 automatic gain control, electronic shutter control, 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 **MC3710S 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.

Accessories include the PCM150, a Pelco camera mount designed specifically for the **MC3710S 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: 22919
MANUAL: 229136

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International Organization
for Standardization
Registered ISO 9001



TECHNICAL SPECIFICATIONS

MODELS

MC3710S-6	1/3 inch standard resolution monochrome CCD camera, 380 TVL, 24 VAC or 12 VDC, EIA format
MC3710S-6X	Same as MC3710S-6 except CCIR format
MC3710S-7	1/3 inch standard resolution monochrome CCD camera, 380 TVL, 98-260 VAC, EIA format
MC3710S-7X	Same as MC3710S-7 except CCIR format

GENERAL

Imaging Device	1/3-inch interline transfer CCD
Picture Elements	
EIA	510 (H) x 492 (V)
CCIR	500 (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	Pelco V-sync/AC line lock/internal
Horizontal Resolution	380 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 (AutoSense)
Minimum Illumination	0.06 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
Signal Processing	Analog
Video Output	1 Vp-p, 75 ohms
Gamma Correction	0.45

ELECTRICAL

Power Requirements	
MC3710S-6, S-6X	20.4-27.6 VAC or 10.2-13.8 VDC
MC3710S-7, S-7X	98-260 VAC
Power Consumption	Less than 4 watts
Power Connector	
MC3710S-6, S-6X	2-pin terminal strip
MC3710S-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

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

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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