



CCC1380H-6 Series Digital CCD Color Camera

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

Product Features

- Compact Body Style
- 1/3-Inch Format CCD Imager
- Digital Signal Processing
- 480 TV Lines of Resolution
- 0.7 Lux Sensitivity
- CS Lens Mount (C-Mount Lenses Require Optional Adapter)
- Autosensing DC/Video Drive Auto Iris
- Automatic/Manual White Balance Settings for Difficult Lighting Situations
- Selectable AGC, ESC, and Backlight Compensation Functions
- Flickerless Mode
- Analog Eclipser Function
- Autosensing Power (24 VAC with Line Lock or 12 VDC with Internal Synchronization)
- Internal Top/Bottom Mount



(LENS NOT SUPPLIED WITH CAMERA)

The **CCC1380H-6** is Pelco's smallest, full-featured digital color CCD camera designed to provide superior picture quality over a wide range of conditions. The camera's compact size, combined with its numerous features, makes it the ideal camera for most applications.

The **CCC1380H-6** is a high resolution digital camera with 480 TVL of resolution and 0.7 lux sensitivity. Camera features include auto-sensing power (24 VAC with internal line lock or 12 VDC with internal synchronization), automatic gain control (AGC), electronic shutter control (ESC), and flickerless mode. The **CCC1380H-6** also includes AWB white balance for difficult lighting situations, an analog eclipser function that allows the auto iris lens to create clear images in a dark area with a strongly backlit background, and backlight compensation that adjusts the picture to prevent objects from appearing dark due to a strong backlight. These fine tuning features are easily set using the DIP switches located on the back panel of the camera.

The **CCC1380H-6** has a standard CS lens mount and can be used with fixed, manual, or auto iris (DC or video drive) lenses. The iris is controlled through a standard four-pin square connector that is included on all Pelco auto iris lenses.

The **CCC1380H-6** is quick and easy to install and is ideal for use with DF5, DF8A, EH100, EH3508, and EH2508 enclosures. The camera is also featured in Pelco's DomePak® and ImagePak® fixed camera dome/enclosure packages.



CCC1380H-6 REAR VIEW



TECHNICAL SPECIFICATIONS

MODELS

CCC1380H-6	1/3-inch high resolution digital color CCD camera, 24 VAC or 12 VDC, NTSC format
CCC1380H-6X	Same as CCC1380H-6 except PAL format

GENERAL

Imaging Device	1/3-inch interline transfer CCD
Picture Elements	
NTSC	768 (H) x 494 (V) (approx. 380K)
PAL	752 (H) x 582 (V) (approx. 440K)
Sensing Area	3/16 x 1/8-inch (4.7 x 3.5 mm)
Scanning System	
NTSC	525 lines, 21 interlace
PAL	625 lines, 21 interlace
Synchronization System	
NTSC	AC line lock
PAL	AC line lock/DC internal
Horizontal Resolution	480 TV lines
Iris Control	Selectable on/off
Auto Iris Lens Type	DC/video drive (autosensing)
Minimum Illumination	0.7 lux, F1.2, 40 IRE, AGC on, 75% reflectance
Signal-to-Noise Ratio	>50 dB
Vertical Phase	Adjustable $\pm 90^\circ$
Automatic Gain Control	On/off switchable
Electronic Shutter Control	On/off switchable
Backlight Compensation	On/off switchable
Eclipser Function	On/off switchable
Auto White Balance	On/off switchable
Internal Synchronization	On/off switchable
Gamma	On/off switchable
Flickerless Mode	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

ELECTRICAL

Power Requirements	
CCC1380H-6	24 VAC $\pm 15\%$ /12 VDC $\pm 15\%$, 60 Hz
CCC1380H-6X	24 VAC $\pm 15\%$ /12 VDC $\pm 15\%$, 50 Hz
Power Consumption	3 watts (270 mA, 24 VAC/390 mA, 12 VDC)
Power Connector	3-pin terminal strip, push-in type
Video Connector	BNC
Lens Jack	4-pin connector (miniature square)

MECHANICAL

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

ENVIRONMENTAL

Operating Temperature	14°F to 122°F (-10°C to 50°C)
Storage Temperature	-40° to 140°F (-40° to 60°C)
Humidity	20% to 80% (noncondensing)

PHYSICAL

Weight (without lens)	0.40 lb (0.20 kg)
Shipping Weight	1 lb (0.45 kg)

CERTIFICATIONS

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

RECOMMENDED MOUNTS

BS1750/CM1750/ CM1750S/TB1750	Adjustable swivel head camera mounts for wall, ceiling or pedestal mounting.
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RECOMMENDED POWER SUPPLIES

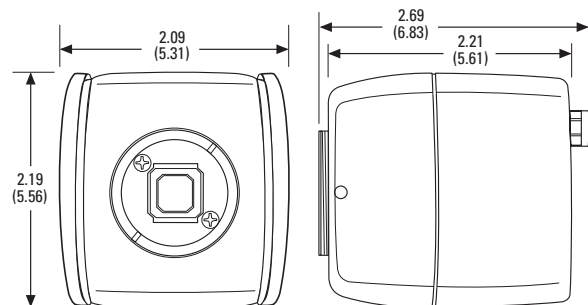
TF2000	Power supply for one 24 VAC camera, 20 VA
MCS Series	Multiple 24 VAC camera power supply, indoor
WCS Series	Single/multiple 24 VAC camera power supply, outdoor

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).
13ZD, ZM Series	Motorized zoom lenses, 1/3-inch format. ZD (auto iris, DD); ZM (manual iris).

LENS ACCESSORIES

LDC100	Auto iris drive converter. Converts a DC-drive auto iris lens to a video drive auto iris lens. Compatible with all lens size formats.
PCMA40	Lens adapter. Adapts standard C-mount lenses to CS-mount cameras.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.

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



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