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

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 autosensing 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.
### 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 ±90°
- 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 ±15%/12 VDC ±15%, 60 Hz
  - CCC1380H-6X: 24 VAC ±15%/12 VDC ±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°F 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/CMT1750: Adjustable swivel head camera mounts for wall, ceiling or pedestal 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).
- 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.

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