



# CCC2400H-4 Series CCD Digital Color Camera

## 1/3-INCH, HIGH RESOLUTION, 470 TVL (NTSC/PAL), COMPACT

### Product Features

- Compact Body Style
- 1/3-Inch Format CCD Imager
- Digital Signal Processing
- 470 TV Lines Resolution
- CS Lens Mount (C-Mount Lenses Require Optional Adapter)
- Electronic Iris
- Automatic Gain Control (AGC)
- Automatic White Balance
- Backlight Compensation
- Internal Top/Bottom Mount
- 12 VDC Power
- Cost Effective



(LENS NOT SUPPLIED WITH CAMERA)

The **CCC2400H-4 Series** is one of Pelco's smallest and most economical cameras, providing true color reproduction and image quality at a great price. Its compact size makes it ideal for Pelco's DF5 and DF8 domes and EH100, EH2508, and EH3508 enclosures.

Cameras in the **CCC2400H-4 Series** use a 1/3-inch format CCD imager and have high resolution of 470 TV lines. They operate on 12 VDC power.

The cameras feature automatic white balance, automatic gain control, an electronic iris, and backlight compensation.

The cameras are easy to install. Connect power and video, and set on/off switches for electronic iris and backlight compensation. Install a lens and adjust the back focus. Camera mounts on the top and bottom of the housing provide flexibility for mounting.

The **CCC2400H-4 Series** has a standard CS lens mount, but with the optional PMCA40 lens adapter, C-mount lenses can be installed. A wide variety of fixed, varifocal, and zoom lenses can be used with either manual or auto iris. Auto iris lenses must be DC drive only. The iris is controlled through a standard four-pin square connector that is included on all Pelco auto iris lenses.



CCC2400H-4 REAR VIEW



DataFAX  
SPEC: 21997  
MANUAL: 219896

C1997 / NEW 10-03



International Organization  
for Standardization;  
Registered ISO 9001



# TECHNICAL SPECIFICATIONS

## MODELS

CCC2400H-4	1/3-inch high resolution digital color CCD camera, 470 TV lines, NTSC format
CCC2400H-4X	Same as CCC2400H-4 except PAL format

## GENERAL

Imaging Device	1/3-inch interline transfer CCD
Picture Elements	
CCC2400H-4	768 (H) x 494 (V)
CCC2400S-4X	752 (H) x 582 (V)
Scanning System	
CCC2400S-4	525 lines, 2:1 interlace
CCC2400S-4X	625 lines, 2:1 interlace
Synchronization System	Internal
Horizontal Resolution	470 TV lines
Iris Control	Selectable by DIP switch setting
Electronic Shutter Range	
CCC2400H-4	1/60-1/100,000 second
CCC2400H-4X	1/50-1/100,000 second
Auto Iris Lens Type	DC control
Minimum Illumination	1.0 lux, f1.2, 40 IRE, AGC on, 75% reflectance
Signal-to-Noise Ratio	>48 dB
Automatic Gain Control	Permanently on
Backlight Compensation	Selectable by DIP switch setting
Signal Processing	DSP
Video Output	1 Vp-p, 75 ohms
Auto White Balance Range	2,500° to 9,000°K

## ELECTRICAL

Power Requirements	10.2-13.8 VDC
Power Consumption	Less than 2.5 watts
Power Connector	Screw terminals
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° to 122°F (-10° to 50°C)
Storage Temperature	14° to 158°F (-10° to 70°C)
Humidity	20% to 80%, non-condensing

## PHYSICAL

Weight (without lens)	0.32 lb (0.147 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

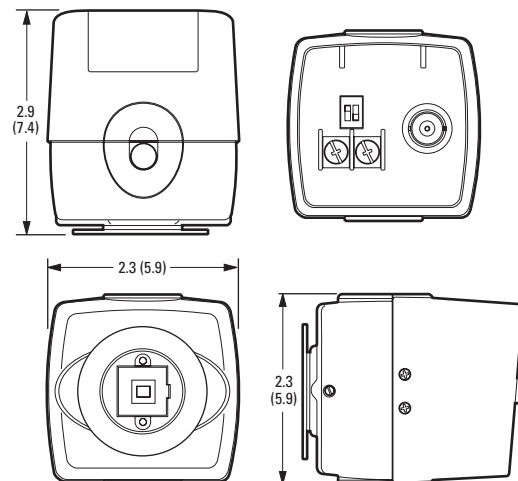
BS1750/CM1750/ CM1750S/TB1750	Adjustable swivel head camera mount for wall, ceiling, or pedestal mounting
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## RECOMMENDED LENSES

13FA, FD Series	Fixed focal 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).

## LENS ACCESSORIES

PCMA40	Lens adapter. Adapts standard C-mount lenses to CS-mount cameras.
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NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.

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



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