

# CCC1390 Series Day/Night, WDR, CCD Compact Camera

## 1/3-INCH, HIGH RESOLUTION, 530 TVL B-W/480 TVL COLOR (NTSC/PAL)

### Product Features

- Compact Body Style
- Wide Dynamic Range (60 dB Maximum)
- Day/Night with Automatic or Manual Control
- Electronic PTZ
- 1/3-Inch Format Sony® SS-2WD CCD Imager
- Digital Signal Processing
- 530 TV Lines (B-W); 480 TV Lines (Color)
- On-Screen Menu Configuration
- Four Preset Application Profiles; One User-Definable Profile
- Auto White Balance, Automatic Gain Control, Electronic Shutter Control, and Backlight Compensation
- Flickerless Mode
- Autosensing DC-Drive Auto Iris
- Autosensing 24 VAC/12 VDC with Line Lock or Internal Synchronization
- Compatible with Pelco P and Pelco D Protocol



(LENS NOT SUPPLIED WITH CAMERA)

The **CCC1390 Series** camera is a compact, wide dynamic range (WDR), day/night camera. Its WDR technology provides up to 60 dB of dynamic range and produces superior images over a wide range of lighting conditions, including extreme backlight conditions. The camera also uses a removable infrared (IR) cut filter to switch between color and black-white (B-W) modes as environmental lighting conditions change. It also provides a dual resolution of 530 TVL (B-W) and 480 TVL (color).

On-screen programmable menus can be accessed locally using the rear panel button or remotely using any Pelco controller with Pelco P or Pelco D protocol. Use these menus to select a specific profile or to customize and save camera settings for the specific application.

The **CCC1390 Series** camera has a standard CS-mount and can be used with fixed, manual, or DC-drive auto iris lenses. The auto iris is controlled through a standard four-pin square connector that is included with all Pelco auto iris lenses.

The **CCC1390 Series** camera is quick and easy to install and its compact size makes it ideal for Pelco's DomePak® and ImagePak® fixed camera dome/enclosure packages.



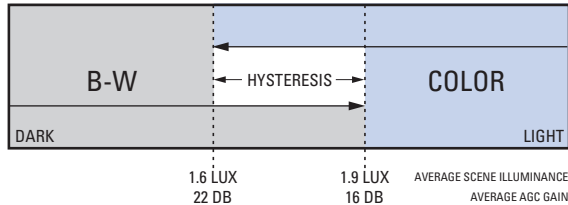
# TECHNICAL SPECIFICATIONS

## MODELS

CCC1390H-6	1/3-inch high resolution day/night, WDR, CCD camera; 24 VAC or 12 VDC; NTSC format
CCC1390H-6X	1/3-inch high resolution day/night, WDR, CCD camera; 24 VAC or 12 VDC; PAL format

## GENERAL

Day/Night Operation	Infrared (IR) cut filter
Day	BK-7 glass, same optical displacement as day
Night	1/3-inch image format Sony SS-2WD CCD
Imaging Device	60 dB maximum (WDR mode)
Dynamic Range	
Picture Elements	
NTSC	768 (H) x 494 (V) (approx. 380K)
PAL	752 (H) x 582 (V) (approx. 440K)
Sensing Area	6 mm diagonal
Scanning System	525 (NTSC)/625 (PAL), 2:1 interlace
Synchronization	AC line lock/internal
Horizontal Resolution	530 TV lines (B-W); 480 TV lines (color)
Electronic Shutter Range	
NTSC	1/60-1/50,000 second
PAL	1/50-1/50,000 second
Auto Iris Lens Type	DC-drive (autosensing)
Minimum Illumination	
B-W (SENS 40x)	0.002 lux, F1.2, 40 IRE, AGC on, 75% scene reflectance
Color (SENS 40x)	0.02 lux, F1.2, 40 IRE, AGC on, 75% scene reflectance
B-W	0.08 lux, F1.2, 40 IRE, AGC on, 75% scene reflectance
Color	0.8 lux, F1.2, 40 IRE, AGC on, 75% scene reflectance
Filter Switching Threshold	
Day to Night	1.6 lux, average scene illumination
Night to Day	1.9 lux, average scene illumination



Digital Slow Shutter (SENS)	Selectable: on/off; 2x, 4x, 6x, 8x, 10x, 20x, 40x
Electronic PTZ	Selectable: 1.5x, 2.0x, 2.5x
Signal-to-Noise Ratio	>50 dB
Vertical Phase	Adjustable $\pm 90^\circ$
Automatic Gain Control	Selectable: on/off
Backlight Compensation	Selectable: on/off
Flickerless Mode	Selectable: on/off; 1/100 sec (NTSC), 1/120 sec (PAL)
Auto White Balance	Selectable: on/off, 4 modes
Day/Night	Selectable: on/off, 4 modes
Signal Processing	Digital signal processing (DSP)
Video Output	1 Vp-p, 75 ohms
Gamma Correction	Selectable: on/off, 0.45, 0.6, 1.0
White Balance Range	2,500° to 8,600°K

## ELECTRICAL

Power Requirements	CCC1390H-6 CCC1390H-6X	24 VAC $\pm 15\%$ /12 VDC $\pm 15\%$ , 60 Hz 24 VAC $\pm 15\%$ /12 VDC $\pm 15\%$ , 50 Hz
Power Consumption		3.5 watts
Power Connector		3-pin terminal strip, push-in type
Video Connector		BNC
Auto Iris Connector		4-pin connector (miniature square)
Mode Indicators		4 LED
Controls		5-position button
Control Connector		Serial data termination switch 7-pin micro (1.25 mm) connector Data I/O (Pelco P or Pelco D protocol) External day/night filter control

## MECHANICAL

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

## ENVIRONMENTAL

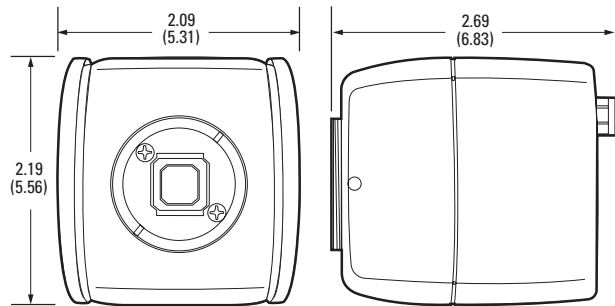
Operating Temperature	14° to 122°F (-10° to 50°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Operating Humidity	20% to 80% (noncondensing)
Storage Humidity	20% to 90% (noncondensing)

## PHYSICAL

Dimensions	2.69" D x 2.09" W x 2.19" H (6.83 x 5.31 x 5.56 cm)
Weight (without lens)	0.44 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



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

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



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