CCC1390H 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)

CCC1390H-6/6X

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).

CCC1390H-6/6X

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.
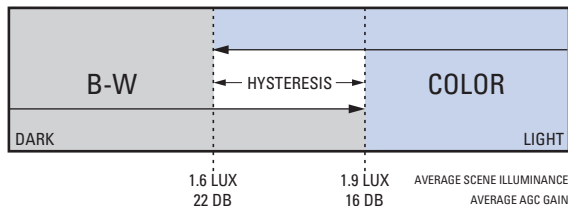
TECHNICAL SPECIFICATIONS

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
- Day — Infrared (IR) cut filter
- Night — BK-7 glass, same optical displacement as day

Imaging Device — 1/3-inch image format Sony SS-2WD CCD
Dynamic Range — 60 dB maximum (WDR mode)

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 ±90°
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 — 24 VAC ±15%/12 VDC ±15%, 60 Hz
- CCC1390H-6X — 24 VAC ±15%/12 VDC ±15%, 50 Hz

Power Consumption — 3.5 W
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; Serial data termination switch
Control Connector — 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)
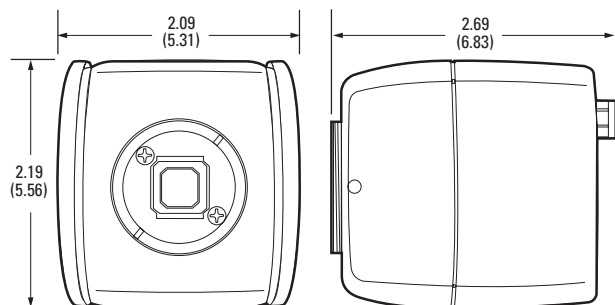Shipping Weight — 1 lb (0.45 kg)

CERTIFICATIONS

- CE, Class B
- FCC, Class B
- UL/cUL Listed

RECOMMENDED LENSES

13VDIR2.8-11, 13VDIR3-8.5, 13VDIR7.5-50 — Varifocal lenses, 1/3-inch format, auto iris, direct drive, infrared

RECOMMENDED MOUNTS

C10-UM — C10 series universal wall/ceiling/rail mount kit

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