CC3701H-2 Series Digital CCD Color Camera
1/3-INCH, HIGH RESOLUTION WITH EDR, 480 TVL (NTSC/PAL)

Product Features
- Sony SuperHAD™ Technology
- EDR (Extended Dynamic Range)
- 1/3-Inch Format CCD Imager
- C/CS Lens Mount
- DC/Video Drive Auto Iris Lens Compatibility
- 24 VAC/12 VDC Power
- Line Lock With Phase Adjustment
- Automatic Gain Control (AGC)
- Backlight Compensation
- Electronic Iris
- Horizontal Resolution of 480 TV Lines
- Digital Signal Processing
- Low Profile Top/Bottom Mount
- Optional Integral Feedthrough Mount

The CC3701H-2 Series is a high-resolution, high sensitivity, general purpose digital camera with 480 TV lines. The camera features two color balance settings, automatic gain control, digital signal processing, automatic backlight compensation, and line lock. To adjust one of the camera’s many fine-tuning features, just reset the corresponding DIP switch, readily available on the left side of the camera.

Utilizing innovative technology (patent pending), the CC3701H-2 Series camera provides an extended dynamic range over conventional high resolution cameras, without sacrificing sensitivity, color imagery, or resolution. Extended dynamic range (12X) allows the camera to provide a picture in many extreme light applications.

The CC3701H-2 Series digital color camera is smaller than most other full-featured CCD cameras. In order to keep the camera as small as possible, Pelco engineers designed the camera components to fit within the external dimensions of the unit. Since the BNC, power, and lens connectors stay within the boundaries of the case, the compact camera and a lens fit perfectly inside one of Pelco’s smaller enclosures (EH100, EH3508, EH2508, EH2020, EH2100, and EH2200). Pelco also has a wide selection of fixed and varifocal lenses available to meet your installation requirements.

The CC3701H-2 Series digital camera also includes Sony’s latest generation of 1/3-inch CCD imagers, accepts DC and video drive auto iris lenses, and has adjustable back focus to accommodate C or CS lenses. Back focus adjustment is easy with the lockable thumb wheel, accessible from the top or bottom of the camera.

The CC3701H-2 Series digital camera is quick and easy to install, and its distinctive design is ideal for use in confined spaces. The camera has a quick-connect power connection, BNC video connector, and a removable mount adapter for top or bottom mounting.

Accessories include the PCM100 camera mount designed specifically for the CC3701H-2 Series. This adjustable mount has no exposed cabling or hardware. All cable is integrated in the unit making installation quick and easy. The PCM100 can be installed directly to a wall or ceiling, or it can be adapted to a standard 2 x 4 inch (5.08 x 10.16 cm) electrical box.
### TECHNICAL SPECIFICATIONS

#### MODELS
- CC3701H-2: 1/3-inch high-resolution digital color CCD camera, 480 TVL, NTSC format
- CC3701H-2X: Same as CC3701H-2 except PAL format

#### GENERAL
- Imaging Device: 1/3-inch interline transfer CCD
- Picture Elements:
  - CC3701H-2: 768 (H) x 494 (V)
  - CC3701H-2X: 752 (H) x 582 (V)
- Scanning System:
  - CC3701H-2: 525 lines, 2:1 interlace
  - CC3701H-2X: 625 lines, 2:1 interlace
- Synchronization System:
  - CC3701H-2: Internal or line lock
  - CC3701H-2X: Internal or line lock
- Horizontal Resolution: 480 TV lines
- Iris Control: Electronic/passive
- Minimum Illumination: 0.5 lux, f1.2, 40 IRE, AGC on, 75% reflectance
- Signal-to-Noise Ratio: 52 dB
- Gain Control: Automatic
- Vertical Phase: Adjustable (0° ± 120°)
- Automatic Gain Control: Selectable by DIP switch
- Backlight Compensation: Selectable by DIP switch
- Signal Processing: DSP
- Auto Iris Lens Type: DC/video control
- Video Output: 1 Vp-p, 75 ohms
- Iris Control Range: 1/60-1/100,000 second
- Auto White Balance Range: 2,500° to 9,500°K

#### ELECTRICAL
- Power Requirements: 18-30 VAC or 10-36 VDC
- Power Consumption: Less than 4 watts
- Power Connector: 2-pin terminal strip, push-in type, with screw-lock
- Video Connector: BNC
- Lens Jack: 4-pin connector (miniature square)

#### MECHANICAL
- Lens Mount: C/CS mount (adjustable)
- Camera Mount: 1/4-inch UNC-20 screw, top and 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)

#### PHYSICAL
- Weight (without lens): 0.77 lb (0.35 kg)
- Shipping Weight: 2 lb (0.9 kg) approximate

#### CERTIFICATIONS/PATENTS
- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- Complies with Argentina compliance requirements under Res. 92/B8
- CCC, Class B
- U.S. Patent D-480,773
- CQC (China Quality Certification)

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

![Diagram](image.png)

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