

IP3701H Series Network Camera

1/3-INCH, COLOR, HIGH RESOLUTION, 480 TVL (NTSC/PAL)

Product Features

- Up to 30 Images per Second (ips) at 704 x 480 or 704 x 576 Resolution
- Power over Ethernet (PoE) IEEE802.3af or 24 VAC Power Input
- Open Architecture
- 3 Simultaneous Video Streams
 - Dual MPEG-4 (30 ips)
 - Scaleable MJPEG
- Internet Protocols: TCP, UDP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP
- Multilevel Password Protection
- Motion Detection
- C/CS Lens Mount
- Backlight Compensation
- Low Profile Top/Bottom Mount
- BNC Service Connector



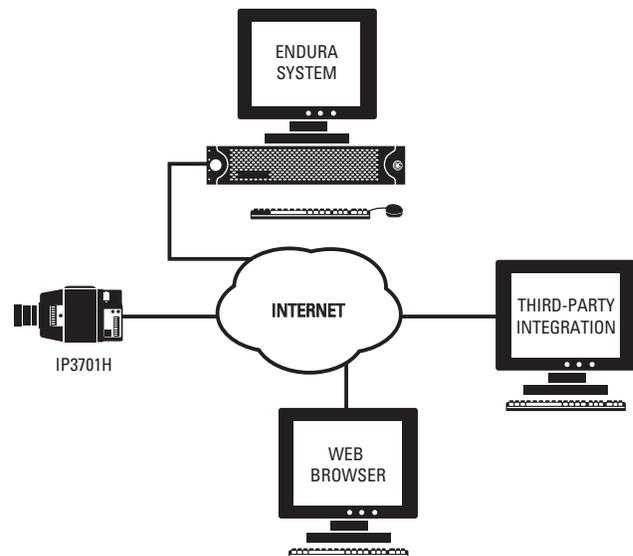
The **IP3701H Series** is a high resolution, high sensitivity, general purpose digital camera. With a built-in 100Base-TX network interface, the camera can stream live video to a standard Web browser (Microsoft® Internet Explorer® or Firefox®) or recording device, simultaneously. The camera features open architecture connectivity for third-party software recording solutions. It is also Endura Enabled™ to record, manage, configure, and view multiple live streams.

When connected to an Endura® network-based video security system, the camera has access to EnduraStor™ and EnduraView™ for optimized image quality and bandwidth efficiency. EnduraStor dramatically extends the recording duration at a lower frame rate, and EnduraView constantly monitors and automatically adjusts the system for the best picture possible.

The **IP3701H Series** supports Pelco IP camera application programming interface (API) for customized software solutions, giving users the flexibility to use third-party products.

The **IP3701H Series** has built-in Power over Ethernet (IEEE802.3af), which supplies power to the camera using the network cable, reducing the cost of installation. For installation flexibility the unit also includes a 24 VAC connector. The camera has a BNC video output for simultaneous viewing during installation and maintenance.

The **IP3701H Series** camera features an extended dynamic range, without sacrificing sensitivity, color imagery, or resolution. Extended dynamic range allows the camera to provide a picture in many extreme light applications.



IMPORTANT NOTE. PLEASE READ.

The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.



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U.S. Patent Pending

International Standards Organization Registered Firm; ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

IP3701H-2	1/3-inch high resolution digital color CCD camera, 480 TVL, NTSC format
IP3701H-2X	Same as IP3701H-2 except PAL format

GENERAL

Imaging Device	1/3-inch imager
Picture Elements	
IP3701H-2	768 (H) x 494 (V)
IP3701H-2X	752 (H) x 582 (V)
Sensing Area	6 mm diagonally
Horizontal Resolution	480 TV lines
Iris Control	Electronic/passive
Minimum Illumination	0.5 lux, f/1.2, 40 IRE, AGC on, 75% reflectance
ESC	1/60 - 1/100,000 second
Signal-to-Noise Ratio	52 dB (AGC off)
Backlight Compensation	Selectable by DIP switch setting
Scanning System	
IP3701H-2	525 lines, 2:1 interlace
IP3701H-2X	625 lines, 2:1 interlace
Auto Iris Lens Type	DC/video control, selectable by DIP switch position

ELECTRICAL

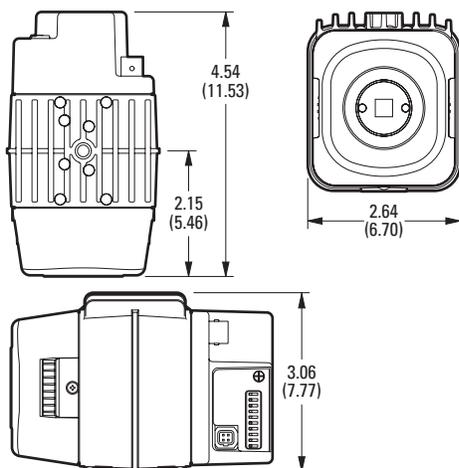
Ports	RJ-45 connector for 100Base-TX Auto MDI/MDI-X Autonegotiate/Manual setting
Cabling Type	Cat5 or better for 100Base-TX
Input Voltage	18 to 30 VAC or PoE IEEE802.3af Class 3
Power Consumption	7 W

MECHANICAL

Lens Mount	C/CS mount (adjustable)
Camera Mount	Use 1/4-20 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)



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

PHYSICAL

Weight (without lens)	0.94 lb (0.43 kg)
Shipping Weight	2 lb (0.9 kg) approximate

VIDEO

Signal System	NTSC or PAL	
Compression	MPEG-4, MJPEG in Web viewing mode	
Video Streams	3, simultaneous	
Video Resolutions	NTSC	PAL
4CIF	704 x 480	704 x 576
2CIF	704 x 240	704 x 288
CIF	352 x 240	352 x 288
QCIF	176 x 120	176 x 144
Bit Rate Configurable	MPEG-4, 20 kbps to 2 Mbps per stream, implements EnduraView	
Web Browser Users	Camera live view for up to 10 video sources 10 simultaneous users, unlimited number of users using multicast	
Minimum Web Browser Requirements	PC (Pentium® 4 microprocessor, 1.6 GHz) with Windows® 98/Windows 2000/Windows XP (or later) or Mac® OS X 10.3.9 (or later)	
RAM	512 MB	
Ethernet Card	100 Megabits	
Web Browser	Microsoft Internet Explorer 5.5 (or later) or Firefox 1.5 (or later)	
Screen Resolution	1024 x 768 pixels or higher, 16- or 32-bit pixel color resolution	

CERTIFICATIONS/RATINGS/PATENTS

- CE, Class B
- UL/cUL Listed
- IEEE802.3af compliant

RECOMMENDED POWER SUPPLIES

POE20U560G	Single port PoE injector
TF2000	Power supply for one 24 VAC camera, 20 VA
RCS Series	Rack mount multiple 24 VAC camera power supply, indoor
MCS Series	Multiple 24 VAC camera power supply, indoor
MCS*E Series	Multiple 24 VAC camera power supply, indoor
WCS Series	Single/multiple 24 VAC camera power supply, outdoor

RECOMMENDED MOUNT

C10-UM	C10 series universal wall/ceiling/rail mount kit
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RECOMMENDED ENCLOSURES

EH3512-2	12-inch indoor/outdoor small enclosure; includes 24 VAC heater, blower, and defroster
EH4718-2	18-inch indoor/outdoor medium enclosure; includes 24 VAC heater and blower
EH4722-2	22-inch indoor/outdoor medium enclosure; includes 24 VAC heater and blower

Note: Enclosures used with the IP3701H Series must not exceed the operating temperature range for the camera.



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