

PTC-401CIP

ELMO

IP Camera



Day/Night IP PTZ Dome with 2-Way Communications

- 12x optical zoom / 16x digital zoom
- Built-in motion detection
 - 16 preset profiles
 - Digital image flip
- Simultaneous MPEG4/MJPEG output



The PTC-401C IP combines digital video output in MJPEG and MPEG4 formats for monitoring over LAN/WAN connections with analog video output for maximum flexibility. Designed for medium duty surveillance, facility management and AV applications.

DUAL MPEG4/MJPEG VIDEO OUTPUT

Incorporates a built-in-web server with a dual compression format, network interface, and analog video output. Delivers simultaneous MPEG4 and MJPEG over the network to make high quality video viewable by standard web-browsers or through PC software, at the same time that its NTSC video outputs are sent to an analog CCTV system for display or recording. Users can monitor sites on their network and view identifiable real time images on a PC from almost anywhere at anytime. Dual formats permit users to adjust frame rate up to 30fps and image size/quality up to full D1 to meet changing network conditions. 30fps rate in both formats provides clear, detailed moving images. Up to 50 users of MJPEG or 3 users of MPEG4 can access a site simultaneously.

FULL DAY/NIGHT OPERATION

Combines high quality optics and advanced PTZ technology. Up to 192x magnification with high speed 12x optical zoom and 16x digital extender and full auto focus/manual capability. Delivers detailed images using advanced DSP circuitry with 1/3 inch IT 410,000 pixel CCD, high 470 TVL(H) resolution. 49db S/N, backlight compensation, area masking and image conversion. Low illumination requirement and removable IR cut filter makes it possible to identify intruders, at extremely low light levels. Users can set-up and control the camera via the supplied IR remote, ELMO's ESD-CC1 keyboard/joystick controller or ELMO DVRs.

SUPERB SURVEILLANCE AT ALL LOCATIONS

User-programmable profiles for up to 16 pre-sets include position specific adjustments for lighting conditions. 8 PTZ speed settings and a frame-freeze function during present operation ensure proper tracking by the operator. A privacy masking function is available for sensitive areas and Digital Image Flip provides continuous tracking with subjects always displayed in an upright position as they pass under the cameras or change direction.

CLEAR 2-WAY COMMUNICATIONS

The dome's bi-directional audio capabilities with user supplied mic and speaker enable clear 2-way voice communication with remote locations to sound-card equipped PCs over standard computer networks. Integrates easily into distance-learning or AV applications where synchronized quality audio is needed.

OTHER SECURITY FEATURES

JPEG snapshots can be captured and sent to an FTP server for later viewing by the built-in multi-zone motion detection or on a periodic schedule defined by the user. The camera can send email alerts to designated users as well as trigger its two output ports to control external devices. The IP filtering assures site security by restricting access to authorized users.

ELMO CO, LTD (Head office and factory)'s QMS/EMS has been registered to ISO 9001 & ISO 14001



PTC-401CIP SPECIFICATIONS

CAMERA

TV System	NTSC
Image Pick Up device	1/4" CCD
Effective picture element	768 x 494
Sync. System	Internal
Min. Illumination	Color: 1 lx (30 IRE) B&W: 0.3 lx (30 IRE)
White balance	AUTO/one-push/Manual/Indoor mode/ Outdoor mode/Fluorescent lamp mode
Day & Night	Yes
Back light compensation	On / Off
Lens type	Powered 12X zoom lens
Focal length	f = 3.8 - 45.6 mm
F number	F1.6 - 2.7
Digital zoom	16X
Other functions	Motion Detection, Masking

INTERFACE

Analog video output	BNC x1
Ethernet	10 Base-T / 100 Base-TX (RJ-45)
External control terminal	RS485 (5P), Alarm I/O (6P)
Audio input	3.5 mm Mini jack
Audio output	RCA Pin jack

PAN TILT

Pan range	Left 175 degree, Right 175 degree
Tilt range	Up 15 degree, Down 195 degree
Pan-Tilt speed	Auto/Manual 100 deg/sec
Preset point	16 points

NETWORK

Compression format	MJPEG/MPEG4 simultaneous output
Protocol	IP, ARP, ICMP, TCP, UDP, HTTP, FTP, SMTP
Image size	D1 (704 x 480), SIF (352 x 240), QQVGA (160 x 120)
Frame rate	MJPEG: Max 30 fps (352 x 240), MPEG4: Max 30 fps (704 x 480)
Simultaneous client access	JPEG: 50 clients / MPEG4: 3 clients

SYSTEM REQUIREMENTS

Operation system	Microsoft Windows 2000 / XP
Browser	Microsoft Internet Explorer 6.0 or later (Sun JAVA2SE Ver. 1.5.0 or later)

GENERAL

Power source	DC12V
Power consumption	1.0A max.
Dimensions	5.59 (D) x 6.02 (H) inches
Weight	Approx 2.6 lbs (1200 g)
Operating temperature	14 - 122°F (-10 -50°C)
Supplied accessories	AC adapter, IR remote, Relay cable x 2, Ceiling mounts, CD (Viewer software, manual)
Options	Indoor dome cover (smoke, clear) Outdoor housings

Specifications are subject to change without notice. Windows and Internet Explorer are Trademarks of Microsoft Corporation. Sun JAVA is Trademark of Sun Microsystems.

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