

SN2230IPII

ELMO

IP Camera



## Weatherproof Day/Night Network Camera

- Wide dynamic range
- Built-in IR illumination
- IP66 Rated Housing
- Simultaneous MPEG4/MJPEG output
- Bi-directional audio capability
- PoE Support



Meeting the demand for simplified installation, this self-contained IP66-rated unit includes PoE (power over Ethernet) support via the camera's RJ45 port network connection and readily available third-party PoE bridges. Design eliminates need for an outdoor housing and an external power source, reducing infrastructure requirements to a single cable. Ideal for surveillance of construction sites, storage sites, loading docks and similar applications.

### IDENTIFY INTRUDERS IN LOWEST LIGHT

Wide dynamic range captures image details in lighting conditions ranging from brilliant sunshine to nearly complete darkness. The built-in IR illuminator has a range of 25-30ft. and works with the removable IR cut filter for optimum day/night performance under extremely low light conditions. DSP circuitry with a 1/3 inch IT 410,000 pixel CCD, backlight compensation, a 2.5x digital zoom and high quality 2.9 - 8.0mm vari-focal auto iris assure detailed close-ups.

### DUAL MPEG4/MJPEG VIDEO OUTPUT

Delivers simultaneous MPEG4 and MJPEG output 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 output is sent to an analog CCTV system for display or recording. Users can monitor remote sites on their network and view real-time images on a PC from almost anywhere, at anytime. Both the MPEG4 and MJPEG formats permit users to adjust frame rate up to 30fps and image size/quality up to full D1 to meet changing network conditions or application requirements. Up to 50 users of MJPEG or 3 users of MPEG4 can access a site simultaneously.

### CLEAR 2-WAY VOICE COMMUNICATIONS

Bi-directional audio capabilities with user supplied mic and speaker enable clear 2-way voice communications with remote locations to sound-card equipped PC's over standard computer networks.

### 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 an email alerts to designated users as well as trigger its two output ports to control external devices. IP filtering assures site security by restricting access to authorized users.

## SN2230IPII SPECIFICATIONS

### CAMERA

TV System	NTSC
Image Pick Up device	1/3" CCD
Effective picture element	768 x 494
Sync. System	Internal
Min. Illumination	Color: 0.35 lx (30 IRE) B&W: 0.045 lx (30 IRE)
White balance	AUTO/one-push/Manual/Indoor mode/ Outdoor mode/Fluorescent lamp mode
Day & Night	Yes
IR illumination	Yes
Back light compensation	Area type (5 patterns)
Wide dynamic range	Yes
Lens type	2.7X Vari-focal auto iris lens
Focal length	f = 2.9 - 8.0 mm
F number	F0.95 - 1.8
Digital zoom	2.5X (Only at WD-Off)
Other functions	Motion Detection, IP66 rated

### INTERFACE

Analog video output	UTP
Ethernet	10 Base-T / 100 Base-TX (RJ-45)
External control terminal	UTP
Audio input	UTP
Audio output	UTP

### 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 / PoE
Power consumption	0.6A max.
Dimensions	3.86 (W) x 3.27 (H) x 8.90 (D) inches
Weight	Approx 3.9 lbs (1800 g)
Operating temperature	14 - 122°F (-10 - 50°C)
Supplied accessories	Sun shield CD (Viewer software, manual)
Options	Glass heater

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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ELMO USA Corp. [www.elmoussa.com](http://www.elmoussa.com)  
 Headquarters: Plainview, NY • T. 516-501-1400 F. 516-501-0429  
 West Coast: Cypress, CA • T. 714-828-8457 F. 714-828-8429

