

# SN2230IP Outdoor Network Day/Night Weatherproof Camera



WIDE  
DYNAMIC  
RANGE

IR  
ILLUMINATOR

IP66  
RATED  
HOUSING

## Key Features & Benefits

- Simultaneous MPEG4 and MJPEG output over the network makes high quality video viewable by standard web-browsers or through PC software, at the same time that their NTSC video outputs are sent to an analog CCTV system for display or recording.
- Full day / night operation, low illumination requirements and removable IR cut filters ensure that images will be more easily identified, even under low light conditions.
- MPEG4 or MJPEG formats permit the user to adjust frame rate up to 30fps and image size/quality up to full D1 to meet a wide variety of network conditions or application requirements.
- Bi-directional audio capabilities make communicating with remote locations via intercom possible over standard computer networks. Distance learning or A/V applications where synchronized, high quality audio is needed can be handled with minimal integration.
- Built-in motion detection sends alarm outputs to alert security personnel.
- IP filtering assures site security by restricting access to authorized users.
- Up to 50 users of MJPEG or 3 users of MPEG4 can have simultaneous access.
- Captures images at time of alarm entry. Transfers to an FTP server for later viewing.
- Full featured outdoor network camera with wide dynamic range and high sensitivity captures almost every detail, even in the most difficult lighting conditions from brilliant sunshine and glare to nearly complete darkness. Weatherproof IP66 standard housing.
- Built-in IR Illumination provides extra light and works with camera's day/night functions during darkness.
- 2.5x digital zoom and 2.7x vari-focal lens with high quality optics.
- Excellent S/N, high color resolution and sensitivity at low light levels; 0.35 lx (color) 0.045 lx (B&W) minimum illumination required
- Audio in/audio out (optional)

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## SPECIFICATIONS

SN2230IP	
<b>CAMERA</b>	
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/ Flourescent 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
<b>INTERFACE</b>	
Analog video output	UTP
Ethernet	10 Base-T / 100 Base-TX (RJ-45)
External control terminal	UTP
Audio input	UTP
Audio output	UTP
<b>NETWORK</b>	
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
<b>SYSTEM REQUIREMENTS</b>	
Operation system	Microsoft Windows 2000 / XP
Browser	Microsoft Internet Explorer 6.0 or later (Sun JAVA2SE Ver. 1.5.0 or later)
<b>GENERAL</b>	
Power source	DC12V
Power consumption	TBA
Dimensions	3.86( W) x 3.27 (H) x 8.90 (H) inches
Weight	Approx 3.9 lbs (1800 g)
Operating temperature	14 - 122°F (-10 -50°C)
Supplied accessories	Sunshield, CD (Viewer, manual)
Options	Heater Glass Unit

Specifications are subject to change without notice.  
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