SONY

SNC-CM120

Fixed-Type Megapixel Network Camera

The SNC-CM120 is a high quality and affordable network camera that incorporates a 1/3-type progressive scan CCD with ExwavePRO technology. The camera has a resolution of 1.3 megapixels.

Sony megapixel cameras provide you with clear, detailed, and amazingly bright images for surveillance and security. This new generation of cameras introduces a new ExwavePro CCD giving you enhanced clarity and practical intelligence for any security or surveillance operation. From airports, stadiums and shopping malls, to corporate, banking car parks and public spaces, the Megapixel range will extend your capability to protect people, property, products and services.

Indoor, or outdoor, the Sony range of Megapixel Network Cameras has been designed to meet the needs of your security operations.

Features

1/3-type Progressive Scan CCD with ExwavePRO Technology

The SNC-CM120 inherits the technical advantages of Sony ExwaveHAD (TM) technology, while incorporating advanced progressive scanning and complementary color filters to provide extremely high sensitivity levels and clear, crisp images in both day and night environments.

1.3 Megapixel — High Resolution

The SNC-CM120 is ideal for use at the entrance to buildings and parking lots, where detailed images, such as those of people's faces and car license plates, are required.

Light Funnel Function for High Sensitivity

Unlike systems that use slow shutter speeds to provide bright images, the Light Funnel mechanism is such that image data for every two pixels are combined vertically and horizontally delivering extremely bright images even when monitoring moving objects at dusk. This function can be activated automatically in response to surrounding light conditions or to a pre-specified time schedule.

Solid PTZ Function

Allows users to electronically pan, tilt, and zoom within the camera's field of view.

Used in conjunction with the Motion Detection function, the camera can track moving objects.

Analogue Video Output

Ideal for use when adjusting the camera viewing angle during installation.

Benefits

Variable Gamma Settings for High-contrast Images

Six preset gamma curves.

Cropping Function

Full-resolution megapixel images can be cropped freely to accentuate a monitoring area and reduce data size.

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Compact and Slim

Design inherited from CCTV cameras.

DC Servo IR Auto Iris Lens Capability

Ideal for both indoor and outdoor use.

Technical Specifications

--General--

Dimensions (W × H × D)	82.5 × 63 × 187.5 mm including Lens (3 1/4 × 2 1/2 × 7 1/2 inches)
Power requirements	PoE (IEEE-802.3 af)/AC 24 V/DC 12 V
Power consumption	Max. 8.0 W
Operating temperature	-10 to 50 °C (14 to 122 °F)
Storage temperature	-20 to 60 °C (-4 to 140 °F)
Mass	Approx. 700 g (1 lb 9 oz)

--System requirements--

Operating system	Microsoft (R), Windows Vista (R), Microsoft Windows XP
Processor	Intel Pentium IV 3 GHz or higher, Intel Core 2 Duo 2 GHz or higher
Memory	1 GB or more
Web browser	Microsoft Internet Explorer Ver. 6.0 or higher

--Camera--

Image device	1/3-type Progressive Scan CCD with ExwavePRO Technology
Number of total pixels	Approx. 1,320,000
Number of effective pixels (H x V)	Approx. 1,250,000 (1,296 × 966)
Electronic shutter	1 to 1/10,000 s
Auto gain control (AGC)	On/Off (0 dB to +36 dB)
Exposure control	Auto, Backlight compensation, Gamma settings
White balance modes	ATW, ATW Pro
Lens type	Vari-focal zoom lens
Zoom ratio	2.1x optical zoom (2x digital zoom)
Horizontal viewing angle	100.7 to 47°
Focal length	f=2.8 to 6.0 mm
F-number	F1.3 (wide), F1.9 (tele)
Minimum object distance	300 mm

--Image--

Image size (H × V)	JPEG: 1280 × 960, 960 × 720, 768 × 576, 640 × 480, 384 × 288, 320 × 240 MPEG-4: 640 × 480, 384 × 288, 320 × 240
Maximum frame rate	JPEG: 15 fps (1280 × 960 / Light Funnel OFF), 30 fps (640 × 480 / Light Funnel ON) MPEG-4: 15 fps (640 × 480 / Light Funnel OFF), 30 fps (640 × 480 / Light Funnel ON)

--Audio--

Audio compression	G.711/G.726 (40, 32, 24, 16 Kb/s)

--Network--

Protocols	TCP/IP, ARP, ICMP, HTTP, FTP, SMTP, DHCP, DNS, NTP, RTP/RTCP, SNMP
Number of clients	10
Authentication	IEEE802.1X

--Interface--

Ethernet	10Base-T/100BASE-TX (RJ-45)
Analog video output	BNC x1, 1.0 Vp-p, 75 Ohms
I/O port	Sensor in x 1, Alarm out x 2
External microphone input/ Line input	Mini-jack x1 (Mic in: monaural, 2.2 K 2.5 V plug-in power, Line in: monaural)

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--Analogue video output--

Signal system	NTSC/PAL
Horizontal resolution	600 TV lines
S/N ratio	More than 50 dB (AGC OFF, Weight ON)
Min. illumination	Colour : 0.6 lx (50IRE, F1.3, AGC ON 30 dB)
	0.1 lx (Light Funnel ON, 50IRE, F1.3, AGC ON 36 dB)
	B/W : 0.01 lx (50IRE, F1.3, AGC ON 30 dB)
	0.01 lx (Light Funnel ON, 50IRE, F1.3, AGC ON 36 dB)