SNC-EM520
IP Mini Dome Camera

SONY
make.believe™

High-Quality Security Camera

■ SVGA (800 x 600) maximum resolution

■ Three codecs (H.264, MPEG-4, JPEG) and a dual streaming capability

■ The "Exmor" CMOS sensor incorporated to realize high image quality and low noise

Key Features

• Easy Focus/Easy Zoom functions for easy installation

• Optical Day/Night function to switch to Day or Night mode depending on the light level

• Stream Squared function to send two 4:3 aspect ratio videos in user-selectable resolutions up to SD simultaneously (Low-cost solution to replace two SD cameras located in a line)

Example

Dual Streaming

1st Streaming
SVGA video of a whole

2nd Streaming
Cropped area (up to VGA resolution)

• DEPA Intelligent Video Analytics system can be set up with a DEPA-enabled recorder

DEPA

• Analog monitor output (phono jack)

• Powered by PoE (Power over Ethernet) for simple installation

• ONVIF (Open Network Video Interface Forum) conformance that ensures greater interoperability and more flexibility in building multiple-vendor systems

Onvif

Connect Your Vision

IPELA™

SPECIFICATIONS

SNC-EM520	
Camera	
Image sensor	1/3-type "Exmor" CMOS sensor
Number of effective pixels (H x V)	Approx. 1.4 Megapixel (1329 x 1049)
Minimum illumination	Color: 0.50 lx, B/W: 0.30 lx (F1.2, shutter 1/30 sec., AGC 42dB, 50IRE by IP)
Gain control	Auto
Electronic shutter speed	1/1 to 1/10,000 s
Exposure control	Auto, EV Compensation, Auto Slow Shutter
White balance mode	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens type	Built-in Vari-focal lens
Powered zoom	Yes (Easy Zoom)
Zoom ratio	Optical 2.9x
Powered focus	Yes (Easy Focus)
Horizontal viewing angle	85.4 to 31.2 degrees
Focal length	f = 3.1 to 8.9 mm
F-number	F1.2 (Wide), F2.1 (Tele)
Minimum object distance	300 mm
Camera Features	
Day/Night	Yes
Noise reduction	Yes
Image	
Codec image size (H x V)	800 x 600 (SVGA), 720 x 576 (PAL D1), 720 x 480 (NTSC D1), 704 x 576 (4CIF) 640 x 480 (VGA), 352 x 288 (CIF), 320 x 240 (QVGA)
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming
Maximum frame rate	30 fps (H.264, MPEG-4, JPEG)
Scene Analytics	
Intelligent motion detection	Yes
Network	
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
Onvif conformance	Yes
Number of clients	5
Authenticatoin	IEEE802.1X
Interface	
Analog monitor output	Phono jack x 1 (1.0 Vp-p, 75 ohms, unbalanced, sync negative)
Network port	10BASE-T / 100BASE-TX (RJ-45)
General	
Power requirements	PoE (IEEE802.3af compliant)
Power consumption	6.0 W max.
Operating temperature	-10 to +50 °C (14 to 122°F)
Starting temperature	0 to +50 °C (32 to 122°F)
Storage temperature	-20 to +60 °C (-4 to +140°F)
Operating humidity	20 to 80%
Storage humidity	20 to 95%
Dimensions (W x H x D)	ø140 mm × 118 mm (5 5/8 inches × 4 3/4 inches)
Mass	Approx. 715 g (1 lb 9 oz) not including the cables and bracket
Safety regulations	UL2044, FCC Class A Digital Device, IC Class A Digital Device, IEC60950-1, EN55022(A)+EN55024+EN50 130-4, VCCI Class A, AN/NZS CISPR22
System Requirements	
Operating system	Microsoft Windows XP, Windows Vista (32 bit), Windows 7 (32 bit)
Processor	Intel Core2 Duo 2 GHz or higher
Memory	1 GB or more
Web browser	Microsoft Internet Explorer Ver. 6.0, Ver. 7.0, Ver. 8.0 Firefox Ver.3.5 (Plug-in free viewer only) Safari Ver.4.0 (Plug-in free viewer only) Google Chrome Ver.4.0 (Plug-in free viewer only)
Supplied accessories	
	CD-ROM (User's Guides, and supplied programs) (1), Bracket (1), Template (1), Wire rope (1), Camera unit mounting screws (2), Shoulder screw M4 (1), LAN cable (1), Installation Manual (1)

SYSTEM CONFIGURATION
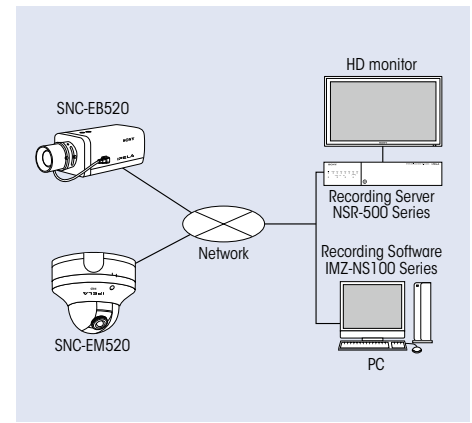
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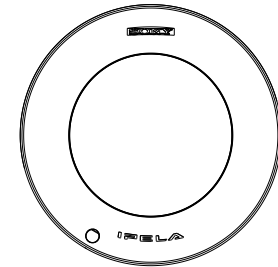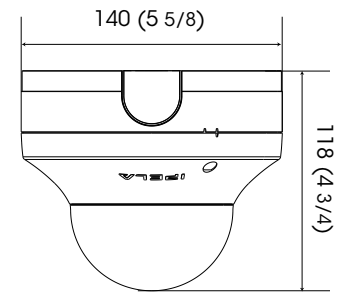
Unit: mm (inches)

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