

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 dual streaming capability
- Exmor® CMOS sensor incorporated to deliver high image quality and low noise



Key Features

- Easy Focus/Easy Zoom functions allow camera to automatically focus and zoom at the touch of a button
- Optical Day/Night function to switch to Day or Night mode depending on the light level
- Streamed Squared function allows simultaneous streaming of two 4:3 aspect ratio videos in user selectable SD resolutions. User can select the entire image or a portion of the image from the original field of view and resize to SD resolution or lower for each stream. With this feature the SNC-EM520 can replace two SD cameras installed in the same line of view.

Example



Dual Streaming



1st Streaming
SVGA video of a whole



2nd Streaming
Cropped area (up to VGA resolution)

- DEPA™ Intelligent Video Analytics system enables cameras to send not only video images, but related metadata, including object data (size and position) to the DEPA-enabled recorder. Since part of the image processing is done on the camera side, the load to the recorder can be reduced enabling camera expansion.



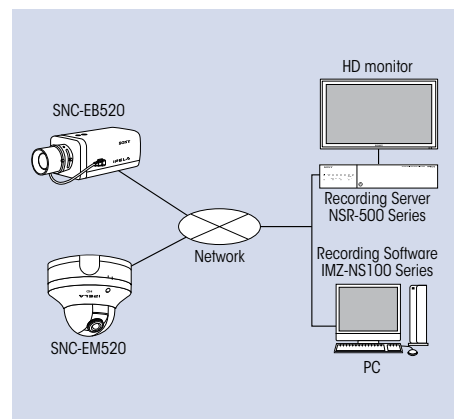
- Analog monitor output (phono jack) allows installer to see or adjust field of view with hand-held monitor.
- Powered by PoE (Power over Ethernet) for simple installation
- ONVIF™ (Open Network Video Interface Forum) software that ensures greater interoperability.



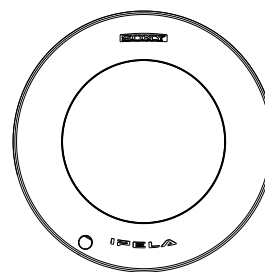
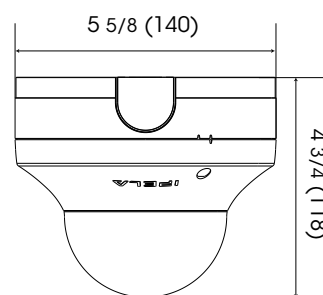
SPECIFICATIONS

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	
True 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, any combination
Maximum frame rate	30 fps (H.264, MPEG-4, JPEG) @ SVA resolution (800 x 600)
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 software	Yes
Number of clients	5
Authentication	IEEE802.1X
Interface	
Analog monitor output	Phono jack x 1 (1.0 Vp-p, 75 ohms, unbalanced, sync negative) for camera setup
Network port	10BASE-T / 100BASE-TX (RJ-45)
General	
Power requirements	PoE (IEEE802.3af compliant)
Power consumption	6.0 W max.
Operating temperature	14 to 122°F (-10 to +50 °C)
Starting temperature	32 to 122°F (0 to +50 °C)
Storage temperature	-4 to +140°F (-20 to +60 °C)
Operating humidity	20 to 80%
Storage humidity	20 to 95%
Dimensions (W x H x D)	ø5 5/8 inches x 4 3/4 inches (140 mm x 118 mm)
Weight	Approx. 1 lb 9 oz (715g) not including the cables and bracket
Safety regulations	UL2044, FCC Class A Digital Device, IC Class A Digital Device, IEC60950-1, EN55022(A)+EN55024+EN50130-4, 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



DIMENSIONS



Unit: inches (mm)

© 2011 Sony Electronics Inc. All rights reserved.
Reproduction in whole or in part without written permission is prohibited.
Features and specifications are subject to change without notice.

Weights and measurements are approximate.
Sony, IPELA, DEPA, Exmor, ONVIF and the IPELA, DEPA, ONVIF
and Sony make.believe logos are trademarks of Sony.

Microsoft, Internet Explorer, Windows and Windows Vista are trademarks of Microsoft Corporation.