SONY
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SNC-EB520

SD (SVGA) fixed indoor network camera

The SNC-EB520 network camera offers high-quality images, great flexibility and compatibility, as well as fast and easy installation.

The SNC-EB520 features up to SVGA (800 x 600) maximum resolution, supports three codecs and a dual streaming capability. An "Exmor" CMOS sensor delivers high image quality with low noise. Easy installation is realised through a combination of the camera's Easy Focus function and its PoE (Power over Ethernet) capability.

1-year PrimeSupport is included as standard within the EU, Norway and Switzerland. This gives users access to an expert helpdesk and, in the unlikely event of a failure, will arrange for an advance replacement unit to be delivered within a target time of one working day. An additional 2-years' support is also available as an option.

Features

Multiple industry-standard codecs ensure best compression format for any application

This multi-codec camera supports three compression formats – H.264 for optimum video image quality at low bandwidth; MPEG4 where efficient video compression is required; and JPEG for applications where bandwidth is not an issue and where discrete frames are required (such as video analytics). The camera can generate multiple streams simultaneously. This means that the camera can use the appropriate compression format for every kind of application.

Power over Ethernet (PoE) capability delivers easy installation and reduced infrastructure

The SNC-EB520 is powered using Power-over-Ethernet (IEEE 802.3af), via the same Ethernet cable used for data transfer. This feature greatly reduces installation costs, speeds deployment and facilitates centralized power management.

"Exmor"® CMOS® Sensor for improved image acquisition

Derived from Sony's broadcast TV product range, the "Exmor" CMOS sensor is one of the highest quality available, providing high resolution images with low noise characteristics for improved image acquisition.

Easy Focus function for reduced installation time

The Easy Focus function provides quick and reliable lens focussing during installation and operation. It can be activated by dedicated buttons on the camera body, or via the web interface, allowing remote adjustment, greatly reducing installation and maintenance time and costs.

DEPA delivers intelligent, customisable image capture and alarm triggering

The Sony DEPA platform offers intelligent video analytics, combining built-in intelligence in the camera itself with object-filters to provide customizable local alarm triggers, as well as providing a meta-data output stream for advanced downstream video analytics.

ONVIF compliance for smooth and immediate exchange of information

The ONVIF (Open Network Video Interface Forum) defines a common protocol for the exchange of information between network video devices including automatic device discovery and video streaming.

Technical Specifications

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: 0.47 lx, B/W: 0.27 lx (F1.0, 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	CS Mount Vari-focal lens
Zoom ratio	Optical 2.6x
Powered focus	Yes (Easy Focus)
Horizontal viewing angle	89.2 to 34.6 degrees
Focal length	f = 3.0 to 8.0 mm
F-number	F1.0 (Wide), F1.65 (Tele)
Minimum object distance	200 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)

Sensor input	x 1, make contact, break contact
Alarm output	x 1, 24V AC/DC, 1A (mechanical relay outputs electrically isolated from the camera)

General

Power requirements	PoE (IEEE802.3af compliant)
Power consumption	5.0 W max.
Operating temperature	-10 to +50C (14 to 122F)
Starting temperature	0 to +50 C (32 to 122F)
Storage temperature	-20 to +60 C (-4 to +140F)
Operating humidity	20 to 80%
Storage humidity	20 to 95%
Dimensions (W x H x D)	72 mm × 63 mm × 145 mm (2 7/8 inches × 2 1/2 inches × 5 3/4 inches) not including the projecting parts 72 mm × 63 mm × 187.8 mm (2 7/8 inches × 2 1/2 inches × 7 7/8 inches) with lens not including the projecting parts
Mass	Approx. 530 g (1 lb 7 oz) with lens
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 (Users Guides, and supplied programs) (1)
	Wire rope (1)
	Screw M4 (1)
	Installation Manual (1)