

# SONY

## SNC-EB520

Box-type SVGA Camera - E Series



### Overview

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.

## 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
● Authentication	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 x 63 mm x 145 mm (2 7/8 inches x 2 1/2 inches x 5 3/4 inches) not including the projecting parts 72 mm x 63 mm x 187.8 mm (2 7/8 inches x 2 1/2 inches x 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)

## Accessories

### Mounting Hardware



**SNCA-WMFX10PC**  
Wall/Ceiling camera  
bracket

### Power Supplies



**SNCA-HPOE1**  
Single port, high-power  
Gigabit PoE midspan



**SNCA-POE1**  
Compact Power over  
Ethernet power supply for  
fixed and minidome  
cameras



**SNCA-POE12**  
Compact 12-port Power  
over Ethernet (PoE)  
midspan power supply for  
fixed and minidome  
cameras



**SNCA-POE6**  
Compact 6-port Power over  
Ethernet (PoE)  
midspan power supply for  
fixed and minidome  
cameras