

## 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.

|                                    |                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------|
| 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<br>(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)<br>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<br>(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) | <p>72 mm × 63 mm × 145 mm<br/>(2 7/8 inches × 2 1/2 inches × 5 3/4 inches)</p> <p>not including the projecting parts</p> <p>72 mm × 63 mm × 187.8 mm<br/>(2 7/8 inches × 2 1/2 inches × 7 7/8 inches) with lens</p> <p>not including the projecting parts</p> |
| 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<br>Firefox Ver.3.5 (Plug-in free viewer only)<br>Safari Ver.4.0 (Plug-in free viewer only)<br>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)                          |

Related products



## **SNC-UNI**

Indoor fixed camera  
housing

## **SNC- UNIHB**

Outdoor fixed camera  
housing

## **UNI- XBS1/T**

Silver bracket for  
SNC-CH110S and  
SNC-CH210S

## Gallery

