

SNC-EB600B

Basic Box-type 720p/30 fps
Camera Powered by IPELA
ENGINE EX™ - E Series



Overview

This highly affordable yet versatile HD fixed network camera is ideal for everyday security applications.

This easy to install fixed network camera with an attractively price brings crisp HD imaging quality to a wide range of indoor security and surveillance applications, from offices, banks and retail spaces to education.

Sony's Exmor CMOS sensor captures crisp, clear, low-noise HD images for sure, dependable monitoring – even in tricky low-light situations.

As a part of Sony's latest generation of video security cameras, the SNC-EB600B features Sony's award winning IPELA ENGINE EX processing platform. This boosts image quality in a wide range of environments, including challenging low-light scenes.

View-DR LT expands dynamic range for improved imaging in high-contrast and strongly backlit scenes, like sun-drenched offices or car park entrances. Image stabilisation keeps video images crisp and clear, even when the camera is subject to vibration on a mounting pole or bracket.

Features

See every scene clearly with HD image quality

View fine detail in a wide range of everyday video security and surveillance environments, from retail spaces to banks and schools. The high resolution Exmor CMOS sensor assures crisp, clear HD 720p images – even in low light conditions like dimly-lit car parks.

Best-ever imaging performance with IPELA ENGINE EX

At the heart of Sony's latest generation of cameras, the powerful IPELA ENGINE EX processing platform combines several technologies for optimises HD picture quality. View-DR LT combines images taken at different shutter speeds, delivering a wide dynamic range up to 90 dB for excellent performance in high contrast, strongly backlit environments.

Steadier, more stable video footage

The in-built image stabiliser minimises the effects of camera shake – for example when the camera's pole mounted or subject to mechanical vibration. With clearer, more stable video images it's easier to see what's happening in any scene.

Don't miss that crucial moment with Intelligent Motion Detection and Face Detection

In-built motion detection can trigger a range of actions, from storage and transfer of images to sounding of external alarms. False alarms caused by noise, weather and environment noise are minimised by a smart processing algorithm. Human face detection is also supported, allowing rapid indexing of recordings to find events where a face is visible in the scene.

Detect in confidence with Edge-based Analytics

Powerful DEPA Advanced video analytics enhances Intelligent Motion Detection with rule-based alarm triggers, providing alerts with object filters like 'passing' and 'intrusion' to further reduce false alarms.

Reduce cabling costs with Power Over Ethernet (PoE)

Power over Ethernet (PoE) allows the camera be powered using the same Ethernet cable that's used for data transfer, reducing installation complexity and costs.

View and control with your smartphone

Remotely view live camera images with your Android or iOS smartphone or tablet. You don't even need to download a special app.

ONVIF (Open Network Video Interface Forum) compliance

Support for ONVIF simplifies interoperability with other network video devices. 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.

Triple streaming for extra operational versatility

Configure up to three simultaneous IP video streams to suit your operating needs. For example, one stream for high quality live viewing; another for storage-efficient recording; and a third for viewing over a low bandwidth connection or on mobile devices.

Day/Night operation for clearer images around the clock

See clear images at any time of day – or night. Day/Night operating modes can be selected manually or automatically, ensuring excellent image clarity whether you're viewing in bright sunlight or near-darkness.

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| Image Sensor | 1/3-type progressive scan Exmor CMOS sensor |
| Number of Effective Pixels | Approx. 1.37 Megapixels |
| Signal System | NTSC/PAL (switchable) |
| Sync System | Internal synchronization |
| Minimum Illumination (50 IRE) | Color: 0.05 lx (F1.0, View-DR Off, VE Off, AGC On, 1/30 s, 30 fps) B/W: 0.04 lx (F1.0, View-DR Off VE Off, AGC On, 1/30 s, 30 fps) |
| Minimum Illumination (30 IRE) | Color: 0.03 lx (F1.0, View-DR Off, VE Off, AGC On, 1/30 s, 30 fps) B/W: 0.02 lx (F1.0, View-DR Off, VE Off, AGC On, 1/30 s, 30 fps) |
| Dynamic Range | Equivalent to 90 dB with View-DR technology |
| S/N Ratio (Gain 0 dB) | More than 50 dB |
| Gain | Auto |
| Shutter Speed | 1/1 s to 1/10,000 s |
| Exposure Control | Exposure compensation, Shutter speed, Iris ATW, ATW-PRO, Fluorescent lamp, |

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|--------------------------|---|
| White Balance | Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual |
| Lens | CS-mount varifocal lens |
| Zoom Ratio | Optical zoom 2.7x Digital zoom 4x Total zoom 10.8x |
| Horizontal Viewing Angle | 92.5° to 35.7° |
| Vertical Viewing Angle | 72.7° to 28.6° |
| Focal Length | f = 3.0 mm to 8.0 mm |
| F-Number | F1.0 (Wide) to F1.65 (Tele) |
| Minimum Object Distance | 200 mm |

Camera Features

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| Day/Night | Electronic D/N |
| Image rotate | 90°, 270° |
| Mirroring | Yes |
| Wide-D | View-DR LT |
| Tone Correction | Visibility Enhancer |

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| Noise Reduction | XDNR |
| Image Stabilizer | Electronic |
| Picture Mode | Yes |
| Privacy Masking (number) | 20 |
| Privacy Masking (shape) | Quadrangle formed by any four corner points |
| Privacy Masking (color/effect) | Opaque 14 colors (Black, White, Red, Green, Blue, Cyan, Yellow, Magenta, Gray (6 scales)), Mosaic |
| Superimpose Number | 3 independent positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independent position for logo marks |
| Superimpose Language | English |
| Menu Language | English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Korean, Portuguese, Russian, Arabic, Hindi, Vietnamese, Thai |
| Smartphone viewer | Yes |

Video

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| Resolution | 1280 x 1024, 1280 x 960, 1024 x 768, 1280 x 720, 800 x 600, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 352 x 288, 320 x 240 (H.264, JPEG) |
| Compression Format | H.264 (High/Main/Baseline Profile), JPEG |
| Maximum Frame Rate | H.264: 30 fps (1280 x 1024) JPEG: 30 fps (1280 x 1024) |
| Bitrate Control Mode | CBR/VBR (selectable) |
| Range of Bit Rate Setting | 64 Kbps to 32 Mbps |
| Solid PTZ | Yes |
| Adaptive Rate Control | H.264 |
| Bandwidth Control | JPEG |
| Multi streaming Capability | Yes (3) |
| Number of Clients | 20 |

Intelligent Video/Audio Analytics

Analytics Architecture DEPA Advanced

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| Intelligent Motion Detection | Yes |
| Face Detection | Yes |
| Tamper Alarm | Yes |
| Scene Analytics | Passing, Intrusion, Left Object Detection, Removed Object Detection |

System Requirements

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| Operating System | Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Ultimate, Business Edition Windows 7 (32/64 bit) Ultimate, Professional Edition Windows 8 Pro (32/64 bit) Windows 8.1 Pro (32/64 bit) |
| Processor | Intel Core i7 2.8 GHz or higher |
| Memory | 2 GB or more |
| Web Browser | Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10.0, Ver. 11.0 Firefox Ver. 19.02 (plug-in free viewer only) Safari Ver. 5.1 (plug-in free viewer) |

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| | only) Google Chrome Ver. 25.0 (plug-in free viewer only) |
| SNC toolbox | Yes |
| SNC toolbox mobile | Yes |

Network

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| Protocols | IPv4, TCP, UDP, ARP, ICMP, IGMP*, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, SMTP over HTTP, IPv6, HTTPS, FTP (client), SNMP (v1, v2c, v3), SSL *SSM (Source Specific Multicast) is supported. |
| Number of IP Address/Mac ADDRESS | 1 |
| QoS | DSCP |
| Multicast Streaming Support | Yes |
| ONVIF Conformance | Profile S, Profile T |
| Authentication | IEEE802.1X |

Interface

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| Analog Monitor Output for Setup | Mini jack x1 |
| Network Port | 10BASE-T/100BASE-TX (RJ-45) |

General

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| Power Requirements | IEEE 802.3af compliant (PoE system) |
| Power Consumption | 5.0 W max. |
| Operating Temperature | -10°C to +60°C 14°F to 140°F |
| Cold Start Temperature | 0°C to +60°C 32°F to 140°F |
| Storage Temperature | -20 °C to + 60 °C -4 °F to + 140 °F |
| Operating Humidity | 20 % to 80 % |
| Storage Humidity | 20 % to 95 % |
| Dimensions *1 | 72 mm x 63 mm x 145 mm (without lens) 2 7/8 inches x 2 1/2 inches x 5 3/4 inches (without lens) 72 mm x 63 mm x 188 mm (with lens) |

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| | lens) 5 7/8 x 2 1/2 x 7 1/2 inches (with lens) |
| Mass | Approx. 460 g (with lens) Approx. 1 lb 0.2 oz (with lens) |
| External Material | Top cover: SECC-CF Bottom cover: SECC-CF Front panel: PC+ABS Rear panel: PC + ABS |
| External Color | Top cover: Munsell 3.6GY 8.4/0.3 Bottom cover: Munsell 3.6GY 8.4/0.3 Front panel: Munsell 3.9PB 0.3/1.0 Rear panel: Munsell 4.4BG 8.4/0.2 |
| Fire Retardant | UL2044 |
| Safety Regulations | JATE Technical standard (LAN) UL2044, IEC60950-1 (CB) VCCI (Class A), FCC (Class A), IC (Class A) Emission: EN55022 (Class A) + EN50130-4 Immunity: EN55022 (Class A) + EN55024 Emission: AS/NZS CISPR22 (Class A) KCC |

EMC-TR

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| Supplied Accessories | CD-ROM (supplied programs) (1) |
| | Installation Manual (1) |
| | Wire rope (1) |
| | Screw (M4 × 8) (1) |
| | Safety regulations (1) |

Notes

*1 The values for dimensions are approximate.

Related products



SNCA-CEILING

Mounting coupling for pendant applications



SNCA-POLE30

Mounting pipe for pendant mount applications



UNI-WMB3

Wall mount bracket for PTZ dome mount security camera housings



UNI-XBS1/T

Silver bracket for SNC-CH110S and SNC-CH210S



UNI-OPL7C3

Outdoor Pressurized dome camera housing



UNI-OPBC6

Pessurised temperature controlled vandal-resistant security camera housing



UNI-OTBC2

Temperature-controlled vandal resistant outdoor security camera housing

Gallery

