

SNC-EB630

Network Fixed FHD Camera – E Series

SONY
make.believe

Box-type 1080/30p Camera Powered by IPELA ENGINE EX™

- Maximum resolution of 1920 x 1080 pixels with the Exmor™ CMOS sensor
- Dynamic range equivalent to 90 dB achieved with View-DR technology
- Picture mode to optimize picture quality in various applications
- DEPA™ Advanced Intelligent Video Analytics enhanced by unique features such as face detection
- H.264 (High/Main/Baseline Profile)/JPEG video codecs
- Minimum illumination of 0.1 lx in Color mode and 0.07 lx in B/W mode at 50 IRE
- True D/N (Day/Night) function



KEY FEATURES

- IPELA ENGINE EX signal processing system developed based on Sony's unique signal processing and video analytics technologies to provide unique features such as View-DR, XDNR, and DEPA Advanced



- View-DR – Sony's innovative wide dynamic range technology – to capture objects clearly and adaptively even under very harsh, severe backlight or highlight conditions

View-DR



OFF



ON

Actual Images

- Visibility Enhancer (VE) to optimize the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene within the given dynamic range
- DEPA Advanced Intelligent Video Analytics to trigger an alarm based on user-defined rules



- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination



OFF



ON



Actual Images

- Picture mode selectable from a range of camera scenes in the setting menu to optimize picture quality in various applications
- True D/N (Day/Night) function to switch to Day or Night mode depending on the light level
- Smartphone viewer for accessing the camera from a smartphone
- Easy Focus function for easy installation
- Powered by PoE (IEEE 802.3af-compliant) for easy installation
- ONVIF (Open Network Video Interface Forum) Profile S conformance
- ONVIF
- VBR (variable bitrate) or CBR (constant bitrate) compression mode selectable to correspond with various network conditions
- Easy initial network settings by supplied SNC Easy IP Setup Guide application
- Image Stabilizer to minimize the effect of camera shake or vibration to achieve less blurry images

Connect Your Vision

IPELA™

SPECIFICATIONS

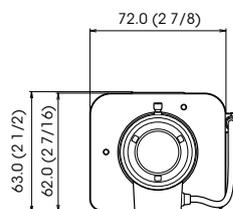
| SNC-EB630 | |
|------------------------------------|---|
| Camera | |
| Image Sensor | 1/2.9-type progressive scan Exmor CMOS sensor |
| Number of Effective Pixels | Approx. 2.14 Megapixels |
| Signal System | NTSC/PAL (switchable) |
| Sync System | Internal synchronization |
| Minimum Illumination (50 IRE) | Color: 0.1 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) B/W: 0.07 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) |
| Minimum Illumination (30 IRE) | Color: 0.06 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) B/W: 0.05 lx (F1.2, 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 | More than 50 dB (Gain 0 dB) |
| Gain | Auto |
| Shutter Speed | 1/1 s to 1/10,000 s |
| Exposure Control | Exposure compensation, AGC, Shutter speed, Iris |
| White Balance | ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual |
| Lens | CS-mount varifocal lens |
| Zoom ratio | Optical zoom 2.9x Digital zoom 4x Total zoom 11.6x |
| Easy Focus for Setup | Yes |
| Horizontal Viewing Angle | 114.2° to 40.0° |
| Vertical Viewing Angle | 60.6° to 22.5° |
| Focal Length | f = 2.8 mm to 8.0 mm |
| F-Number | F1.2 (Wide) to F1.95 (Tele) |
| Minimum Object Distance | 300 mm |
| Camera Features | |
| Day/Night | True D/N |
| Wide-D | View-DR |
| Tone Correction | Visibility Enhancer (VE) |
| Noise Reduction | XDNR |
| Image Stabilizer | 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 character (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 | |
| Resolution | 1920 x 1080, 1280 x 720, 1024 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184 (H.264, JPEG) |
| Compression Format | H.264 (High/Main/Baseline Profile), JPEG |
| Maximum Frame Rate | H.264: 30 fps (1920 x 1080) JPEG: 30 fps (1920 x 1080) |
| Bitrate Compression Mode | CBR/VBR (selectable) |
| Range of Bitrate Setting | 64 Kbps to 32 Mbps |
| Solid PTZ | Yes |
| Adaptive Rate Control | H.264 |
| Bandwidth Control | JPEG |
| Multi Streaming Capability | Triple streaming |
| Number of Clients | 20 |
| Intelligent Video Analytics | |
| Analytics Architecture | DEPA Advanced |
| Intelligent Motion Detection | Yes |
| Face Detection | Yes |
| Tamper Alarm | Yes |
| Scene Analytics | Passing, Intrusion, Left Object Detection, Removed Object Detection |
| System Requirements | |
| 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) Microsoft DirectX 9.0c or higher |
| 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 Firefox Ver. 19.02 (plug-in free viewer only) Safari Ver. 5.1 (plug-in free viewer only) Google Chrome Ver. 25.0 (plug-in free viewer only) |

| SNC-EB630 | |
|---------------------------------|--|
| Network | |
| Protocols | IPv4, TCP, UDP, ARP, ICMP, IGMP*, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, SMTP, IPv6, HTTPS, SNMP (v1, v2c, v3), SSL |
| Multicast Streaming Support | Yes |
| ONVIF Conformance | Profile S |
| Authentication | IEEE 802.1X |
| Interface | |
| Analog Monitor Output for Setup | Mini jack x1 |
| Network Port | 10BASE-T/100BASE-TX (RJ-45) |
| General | |
| Power Requirements | PoE system (IEEE 802.3af compliant) Class 2 |
| Power Consumption | 5.0 W max. |
| Operating Temperature | -10 °C to +50 °C (14°F to 122°F) |
| Cold Start Temperature | 0 °C to 50 °C (32°F to 122°F) |
| Storage Temperature | -20 °C to +60 °C (-4°F to +140°F) |
| 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) (without lens) 72 mm x 63 mm x 199 mm (2 7/8 inches x 2 1/2 inches x 7 7/8 inches) (with lens) |
| Mass | Approx. 505 g (1 lb 1.8 oz) (with lens) |
| External Material | Top cover: SECC-CF Bottom cover: SECC-CF Front panel: ADC12 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 3.5PB 2.2/0.4 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 |
| Supplied Accessories | CD-ROM (supplied programs) (1) Installation Manual (1) Wire rope (1) Screw M4 (1) Safety regulations (1) |

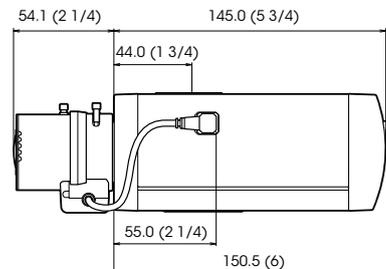
*SSM (Source Specific Multimedia) is supported.

DIMENSIONS

Front



Side



Unit: mm (inches)

Distributed by

MK11057V1 OHB13AUG

©2013 Sony Corporation. All rights reserved.
Reproduction in whole or in part without permission is prohibited.
Features and specifications are subject to change without notice.
The values for mass and dimension are approximate.
"SONY", "make.believe", "IPELA", "IPELA ENGINE EX", "Exmor", and
"DEPA" are trademarks of Sony Corporation.
All other trademarks are the property of their respective owners.