SNC-EB600B

Network Fixed HD Camera – E Series

SONY
make.believe

Box-type 720p/30fps Camera Powered by IPELA ENGINE™ EX Technology

- Maximum resolution of 1280 x 1024 pixels with the Exmor® CMOS sensor
- Extremely Wide Dynamic Range to 90dB 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 0.05 lx in Color and 0.04 lx in B/W (50 IRE @ 1/30 sec)
- Electronic D/N (Day/Night) function
- Image Stabilizer to help minimize the effect of camera shake or vibration to achieve less blurry images

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 technologies

IPELA ENGINE EX

- 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

DEPA Advanced

- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images with virtually no 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
- Electronic D/N (Day/Night) function to switch to Day or Night mode depending on the light level
- Built-in HTML viewer compatible with most Smartphones
- Powered by PoE (IEEE 802.3af-compliant) for easy installation
- ONVIF™ (Open Network Video Interface Forum) Profile S conformance software that ensures greater interoperability and more flexibility in building multiple-vendor systems

ONVIF

- VBR (variable bitrate) or CBR (constant bitrate) compression mode selectable to correspond with various network conditions
- Easy initial network settings with supplied SNC Easy IP Setup Guide application
- Image Stabilizer to help minimize the effect of camera shake or vibration to achieve less blurry images

IPELA™

SPECIFICATIONS

	SNC-EB600B
Camera	
Image Sensor	1/3-type progressive scan Exmor CMOS
Number of Effective Pixels	Approx. 1.37 Megapixels
Signal System	NTSC
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 LT 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 2.7x
	Digital zoom 4x
	Total zoom 10.8x
Easy Focus for Setup	No
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	
Day/Night	Electronic D/N
Wide-D	View-DR LT
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	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 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 Corei7 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)

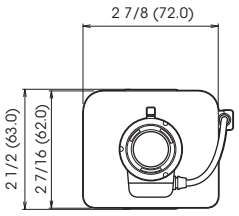
	SNC-EB600B
Network	
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP*, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, SMTP, IPv6, HTTPS, SNMP (v1, v2c, v3), SSL
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S
Authentication	IEEE 802.1X
Interface	
Analog Monitor Output for Setup	Mini 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	14°F to 122°F (-10°C to +50°C)
Cold Start Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to +140°F (-20°C to +60°C)
Operating Humidity	20% to 80%
Storage Humidity	20% to 95%
Dimensions (W x H x D)	2 7/8 inches x 2 1/2 inches x 5 3/4 inches (72 mm x 63 mm x 145 mm) (without lens)
	2 7/8 inches x 2 1/2 inches x 7 1/2 inches (72 mm x 63 mm x 199 mm) (with lens)
Weight	Approx. 1 lb 0.2 oz (460 g) (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.

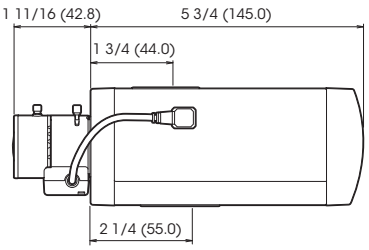
Optional Mounts and Accessories	
Model	
SNC-UNIHB/1	Outdoor Enclosure with Wall Mount
SNC-UNI	Indoor Wall Mount with Enclosure
UNI-IFF7C3 (clear); UNI-IFF7T3 (tinted)	Indoor Flush/Recessed Plenum Enclosure

DIMENSIONS

Front



Side



Unit: inches (mm)

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