SNC-ZB550
Hybrid Fixed HD Camera

SONY
make.believe

High-quality 720p HD Hybrid Fixed Camera

- ■ IPELA HYBRID™ — Sony's IP and analog-over-coax technology*¹

- ■ Excellent 720p HD picture quality, supporting H.264 at 30 fps (IP)

- ■ 1.3 megapixel (1280 x 1024) maximum resolution (IP)

- ■ Three codecs (H.264, MPEG-4, JPEG) and a dual streaming capability

HD 1.3M MEGAPIXEL

Key Features

- Simultaneous transmission of IP HD video and analog SD video*²

- Maximum cable length of 300 m (1,000 feet) with an RG-59 coaxial cable*³

- The Exmor™ CMOS sensor realizes high quality and low noise images

  Exmor™

- Easy Focus function for easy installation

- Optical Day/Night function to switch to Day or Night mode depending on the light level

- Stream Squared function to send two 4:3 aspect ratio videos in user-selectable resolutions up to SD simultaneously (low-cost solution to replace two SD cameras located in a line)*⁴

- DEPA™ Intelligent Video analytics system can be set up with a DEPA-enabled recorder

  DEPA

- ONVIF (Open Network Video Interface Forum) Version 1.02 conformance that ensures greater interoperability and more flexibility in building multiple-vendor systems

  ONVIF

- Smartphone viewer for accessing the camera from a smartphone*⁵

*1 Sony's IP and analog-over-coax technology is developed based on Intersil's SLOC™ (Security Link Over Coax) technology.
*2 For output of IP and analog signals from its SLOC port, the camera must be connected to a SLOC-compatible device via a coaxial cable. The output analog image may not display correctly, depending on the video format and image size settings. For details please contact your nearest Sony office.
*3 Cable length varies according to cable grade and quality.
*4 This function is not available when an analog video signal is output from the SLOC port.
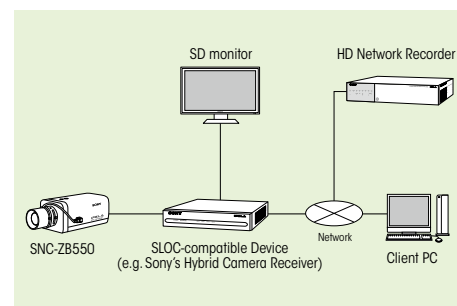*5 For details, please contact your local Sony office.

IPELΛ HYBRID⇋ **sloc**™
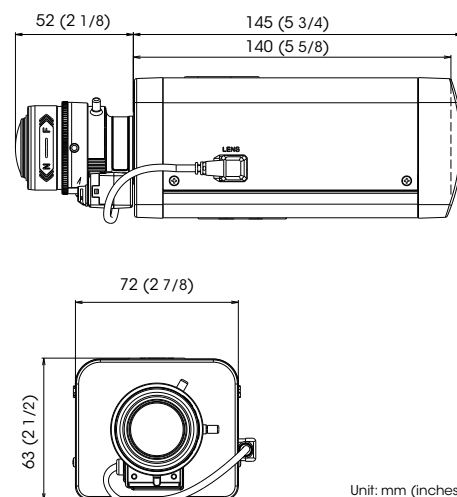
SPECIFICATIONS

SNC-ZB550	
Camera	
Image sensor	1/3-type "Exmor" CMOS sensor
Number of effective pixels	Approx. 1.4 Megapixel (1329 x 1049)
Signal system	NTSC color system/PAL color system (switchable)
Minimum illumination	Color: 0.50 lx, B/W: 0.30 lx (F1.2, shutter 1/30 s, AGC 42 dB, 50 IRE [IP])
Gain	Auto (set Max limit value)
Shutter speed	1/1 s to 1/10,000 s
Exposure control	Backlight compensation, Exposure compensation, AGC, Shutter speed
White balance	ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual
Lens	CS mount vari-focal lens
Zoom ratio	Optical 2.9x
Horizontal viewing angle	96.5 degrees to 33.9 degrees
Focal length	f = 2.8 mm to 8.0 mm
F-number	F1.2 (Wide), F1.9 (Tele)
Minimum object distance	300 mm
Camera Features	
Day/Night	Yes
Wide-D	No
Noise reduction	Yes
Image	
Codec image size (H x V)	1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming*1
Maximum frame rate	30 fps (H.264, MPEG-4, JPEG) at 1280 x 720
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 (version 1.02)
Number of clients	5
Authentication	IEEE802.1X
Interface	
Analog monitor output	No
Video out	BNC x1 (Video out: 1.0 Vp-p, 75 ohms, unbalanced, sync negative)
SLOC	
Line output	No
Network port	10BASE-T/100BASE-TX (RJ-45)
Sensor input	x1, make contact, break contact
Alarm output	x1, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera)
Microphone input	No
Card slots	No
System Requirements	
Operating system	Microsoft Windows XP (32 bit), Windows Vista (32 bit), Windows 7 (32 bit/64 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)
General	
Power requirements	AC 24 V, DC 12 V
Power consumption	6.0 W max.
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Starting 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%
Vandal resistant	No
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 197 mm (2 7/8 inches x 2 1/2 inches x 7 7/8 inches) with lens not including the projecting parts
Mass	Approx. 550 g (1 lb 3.4 oz) with lens
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)
Supplied accessories	CD-ROM (Users guides, and supplied programs) (1), Wire rope (1), Screw M4 (1), DC 12 V/AC 24 V connector (1), Installation manual (1 set)

*1 Dual streaming is not available when an analog video signal is output from the SLOC port.
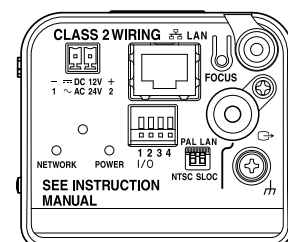
SYSTEM CONFIGURATION

SD monitor · HD Network Recorder · SNC-ZB550 · SLOC-compatible Device (e.g. Sony's Hybrid Camera Receiver) · Network · Client PC

DIMENSIONS

52 (2 1/8) · 145 (5 3/4) · 140 (5 5/8) · 72 (2 7/8) · 63 (2 1/2)

Unit: mm (inches)

REAR PANEL

CLASS 2 WIRING · LAN · DC 12V · AC 24V · FOCUS · PAL LAN · I/O · NETWORK · POWER · NTSC SLOC · SEE INSTRUCTION MANUAL

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