SNC-ER520/ER521

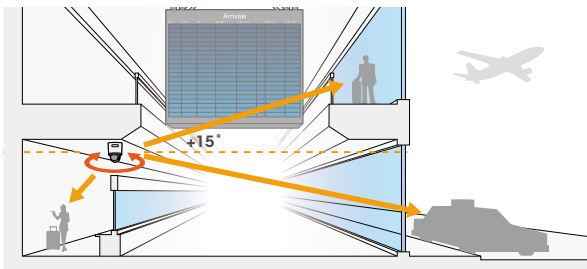Network Rapid Dome Camera — E Series

SONY
make.believe

High-Quality Rapid Dome Cameras

- ■ Three codecs (H.264, MPEG-4, JPEG) and dual-streaming capability
- ■ High-speed 360 degrees endless rotation
- ■ Powerful 36x optical zoom capability
- ■ DynaView
- ■ Slim and stylish

Endless 360° Pan

KEY FEATURES

- High-Speed 360 degrees endless rotation.

- Above-the-horizon tilt – 15°tilt-up, total tilt range of 210°.

+15°

- 36x optical and total zoom ratio of 432x with 12x digital zoom.

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

- DynaView— Wide-D technology to handle various lighting conditions in a scene.

DynaView

Normal Shutter Speed

High Shutter Speed

With Wide-D Technology

(Simulated images)

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

- DEPA Intelligent Video Analytics system can be set up with a DEPA-enabled recorder.

DEPA

- Powered by HPoE for simple installation.

- SD memory card slot for an on-board recording capability. [1][2]

- Recording Software (RealShot Manager Lite) is bundled to start recording and monitoring instantly.

- Smartphone viewer for accessing the camera from a smartphone. [3]

- ONVIF (Open Network Video Interface Forum) Version 1.02 conformance.

ONVIF

[1] The on-board recording function, the intelligent motion detection function, and the tamper alarm function cannot be used simultaneously.

[2] In rare cases, the recorded data might disappear or be damaged. No guarantee is given against damage (including passive damage) resulting from this.
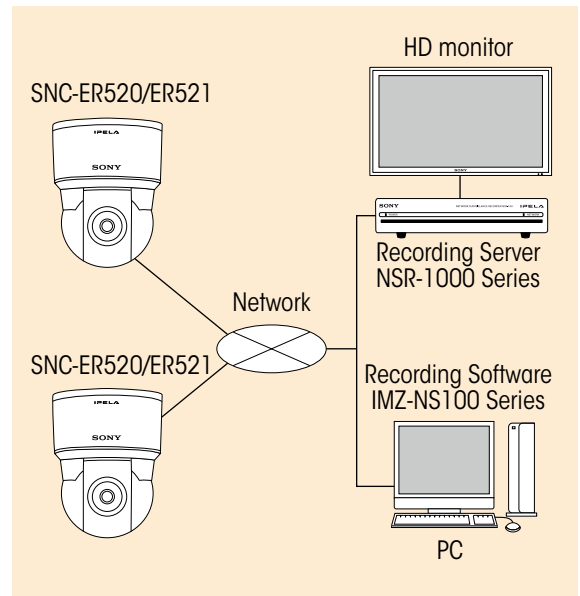
[3] For details, please contact your local Sony office.

SPECIFICATIONS

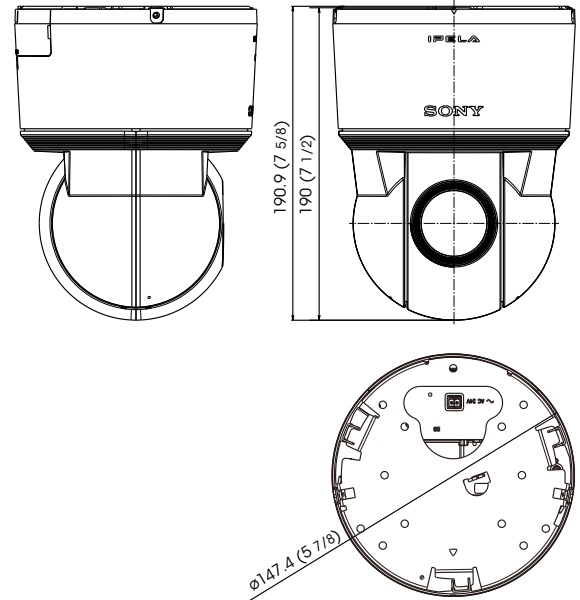|	SNC-ER520	SNC-ER521
Camera		
Image device	1/4-type EXview HAD CCD	
Number of effective pixels	Approx. 0.38 Megapixel	Approx. 0.44 Megapixel
Minimum Illumination	Color: 1.4lx (F1.6, shutter 1/60sec, AGC ON, 50IRE[IP]) B/W: 0.15lx (F1.6, shutter 1/60sec, AGC ON, Night Mode, 50IRE[IP]) Color: 0.9lx (F1.6, shutter 1/60sec, AGC ON, 30IRE[IP]) B/W: 0.1lx (F1.6, shutter 1/60sec, AGC ON, Night Mode, 30IRE[IP])	Color: 1.4lx (F1.6, shutter 1/50sec, AGC ON, 50IRE[IP]) B/W: 0.15lx (F1.6, shutter 1/50sec, AGC ON, Night Mode, 50IRE[IP]) Color: 0.9lx (F1.6, shutter 1/50sec, AGC ON, 30IRE[IP]) B/W: 0.1lx (F1.6, shutter 1/50sec, AGC ON, Night Mode, 30IRE[IP])
Signal system	NTSC standard	PAL standard
Electronic shutter speed	1/1 to 1/10,000 s	
Auto gain control	Auto/Manual (-3 to 28 dB)	
Exposure control	Full auto, Shutter priority, Iris priority, Manual	
White balance mode	Auto, ATW, Indoor, Outdoor, One-push, Manual, Sodium vapour lamp	
Lens type	Auto-focus Zoom Lens	
Zoom ratio	Optical zoom 36x, Digital zoom 12x, Total zoom 432x	
Horizontal viewing angle	57.8 to 1.7 degrees	
Focal length	f=3.4 to 122.4 mm	
F-number	F1.6 to F4.5	
Minimum object distance	10mm (wide) to 1500mm (tele)	
Pan angle	360 degrees endless rotation	
Pan Speed	300 degrees/s (max)	
Tilt angle	210 degrees(with e-flip)	
Tilt speed	300 degrees/s (max)	
Preset position	256 positions	
Tour	5	
Camera Features		
Day/Night	Yes	
Wide-D	Yes (92 dB)	
Noise Reduction	Yes	
Image		
Codec image size (H x V)	704×576, 720×480, 640×480, 384×288, 320×240	720×576, 704×576, 640×480, 384×288, 320×240
Video compression format	H.264, MPEG-4, JPEG	
Codec streaming capability	Dual streaming	
Maximum frame rate	30 fps (H.264/MPEG-4/JPEG)	25 fps (H.264/MPEG-4/JPEG)
Audio		
Audio compression	G.711/G.726	
Scene Analytics		
Intelligent motion detection	Yes	
Network		
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP(MIB-2)	
ONVIF conformance	Yes (Ver. 1.02)	
Number of clients	5	
Authentication	IEEE802.1X	
Interface		
Ethernet	10BASE-T / 100BASE-TX (RJ-45)	
Card slots	SD memory card x 1 (Compatible with the SD/SDHC standards)	
Sensor input	x2	
Alarm output	x1	
External microphone input	Mini-jack (monaural)	
Audio line output	Mini-jack (monaural), Max ouput level: 1 Vrms	
General		
Mass	1.7 kg (3 lb 12 oz) (including sealing bracket)	
Dimensions (ø x H mm)	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)	
Power requirements	HPoE (IEEE802.3at compliant), AC24V	
Power consumption	Approx. 25W	
Operating temperature	-5 to +50 °C (23 to 122°F)	
Starting temperature	0 to 50 °C (32 to 122°F)	
Storage temperature	-20 to +60 °C (-4 to +140°F)	
Safety regulation	UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A	
System Requirements		
Operating system	Microsoft Windows XP(32bit) - Professional Edition Microsoft Windows Vista(32bit) - Ultimate, Business Edition Microsoft Windows 7 (32/64bit) - Ultimate, Professional Edition	
Processor	Intel Core2 Duo 1.8 GHz or higher Intel Pentium4 2.4GHz 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)	
Supplied Accessories		
	CD-ROM (User's guide, supplied programs), Installation manual, Ceiling bracket, Screws(2), Template, 24V AC Connector, I/O Connector	

*The SNC-ER520 and SNC-ER521 include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

SYSTEM CONFIGURATION

DIMENSIONS

Unit: mm (inches)

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