SNC-ER520
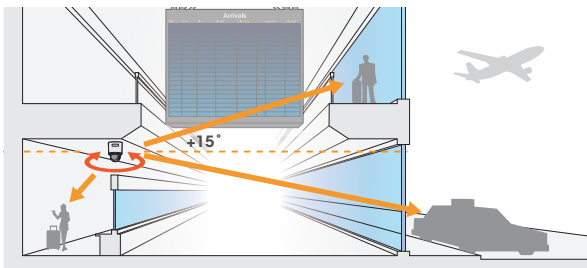Network Rapid Dome Camera — E Series

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™ - Wide-D technology

- ■ 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°.

- • 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.

- • Smart phone viewer for accessing the camera from a smart phone.

- • ONVIF™ (Open Network Video Interface Forum) Version 1.02 software.

Onvif

*1 The on-board recording function, the intelligent motion detection function, and the tamper alarm function cannot be used simultaneously.
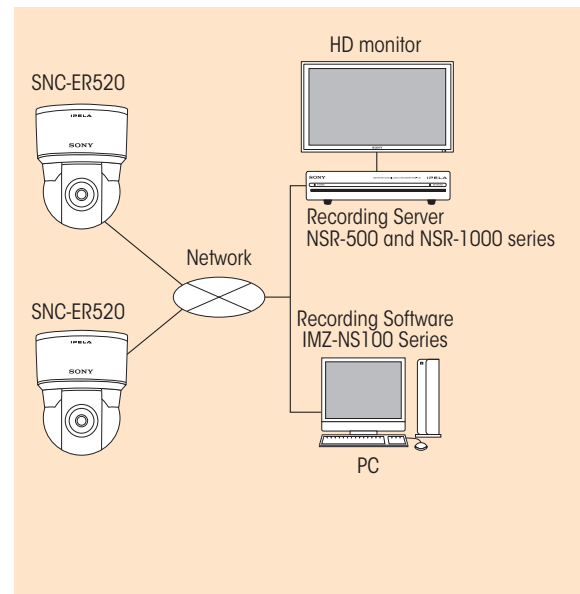
*2 No guarantee or warranty is given against loss or damage to recorded data.

SPECIFICATIONS

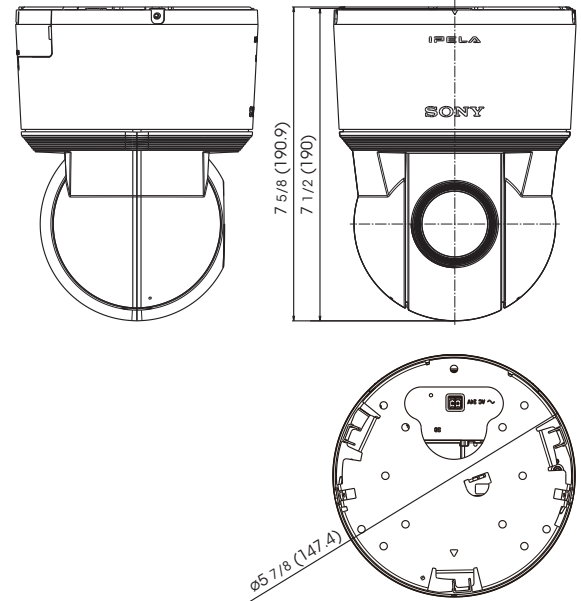|	SNC-ER520
Camera	
Image device	1/4-type EXview™ HAD CCD
Number of effective pixels	Approx. 0.38 Megapixel
Minimum Illumination	Color: 1.4lx (F1.6, shutter 1/60sec, AGC ON, 50IRE[IP]) B/W: 0.15lx (F1.6, shutter 1/60sec, AGC ON, Night Mode, 50IRE[IP]) Color: 0.9lx (F1.6, shutter 1/60sec, AGC ON, 30IRE[IP]) B/W: 0.1lx (F1.6, shutter 1/60sec, AGC ON, Night Mode, 30IRE[IP])
Signal system	NTSC 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
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming
Maximum frame rate	30 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 software	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	
Weight	3 lb 12 oz (1.7 kg) (including sealing bracket)
Dimensions (ø x H mm)	ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm)
Power requirements	HPoE (IEEE802.3at compliant), AC24V
Power consumption	Approx. 25W
Operating temperature	23 to 122°F (-5 to +50 °C)
Starting temperature	32 to 122°F (0 to 50 °C)
Storage temperature	-4 to +140°F (-20 to +60 °C)
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: inches (mm)