SNC-ER520/ER521

Network Rapid Dome Camera — E Series



High-Quality Rapid Dome Cameras

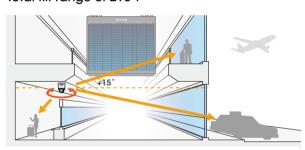
- Three codecs (H.264, MPEG-4, JPEG) and dual-streaming capability
- High-speed 360 degrees endless rotation
- Powerful 36x optical zoom capability
- Wide-D technology
- Slim and stylish



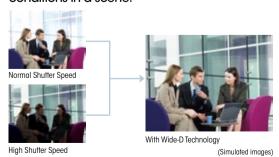


KEY FEATURES

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



- 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.



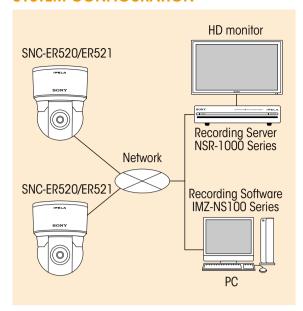
- Powered by hPoE for simple installation.
- SD memory card slot for an on-board recording capability.
- Recording Software (RealShot Manager Lite) is bundled to start recording and monitoring instantly.
- ONVIF (Open Network Video Interface Forum)
 Version 1.02 conformance.



SPECIFICATIONS

Camera Image device Number of effective pixels Minimum Illumination Signal system Electronic shutter speed Auto gain control Exposure control White balance mode	SNC-ER520 1/4-type EX Approx. 0.38 Megapixel Color: 1.4tx (F1.6. shutter 1/60sec, AGC 001/601REIP) BW: 0.15tx (F1.6. shutter 1/60sec, AGC 0N, Night Mode, 501REIP) NTSC standard	iew HAD CCD Approx. 0.44 Megapixel Color: 1.4lx (F1.6. shutter 1/50sec, AGC ON(50IRE[IP)) BW: 0.15lx (F1.6. shutter 1/50sec,
Image device Number of effective pixels Minimum Illumination Signal system Electronic shutter speed Auto gain control Exposure control	Approx. 0.38 Megapixel Color: 1.4lx (F1.6, shutter 1/60sec, AGC ON(50IRE[IP]) BW.0.15h (F1.6, shutter 1/60sec, AGC ON, Night Mode ,50IRE[IP])	Approx. 0.44 Megapixel Color: 1.4lx (F1.6, shutter 1/50sec, AGC ON(50IRE[IP])
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Minimum Illumination Signal system Electronic shutter speed Auto gain control Exposure control	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: 1.4lx (F1.6, shutter 1/50sec, AGC ON(50IRE[IP])
Electronic shutter speed Auto gain control Exposure control	B/W: 0.15lx (F1.6, shutter 1/60sec, AGC ON, Night Mode ,50IRE[IP])	
Electronic shutter speed Auto gain control Exposure control	AGC ON, Night Mode ,50IRE[IP])	B/W: U. 151x (F1.6, shuffer 1/5Usec.
Electronic shutter speed Auto gain control Exposure control		
Electronic shutter speed Auto gain control Exposure control		AGC ON, Night Mode ,50(RE[IP]) PAL standard
Auto gain control Exposure control		/10,000 s
Exposure control	Auto/Manual (-3 to 28 dB)	
	Full auto, Shutter priority, Iris priority, Manual	
	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	-	o 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	
Noise Reduction		'es
Image		
Codec image size (H x V)	704×576, 720×480, 640×480, 384×288,	720×576, 704×576, 640×480, 384×288
	320×240	320×240
Video compression format		PEG-4, JPEG
Codec streaming capability	Dual streaming	
Maximum frame rate	30 fps (H.264/MPEG-4/JPEG)	
Audio	G.711/G.726	
Audio compression	G./11/G./20	
Scene Analytics		/es
Intelligent motion detection	Y	es
Network Protocols		TPS, FTP (client/server), SMTP, DHCP, DNS, NTI P, SNMP(MIB-2)
ONVIF conformance		er. 1.02)
Number of clients	5	
Authentication	IEEE802.1X	
Interface		
Ethernet	10BASE-T / 100	DBASE-TX (RJ-45)
Card slots	SD memory card x 1 (Compatible with the SD/SDHC standards)	
Sensor input	x2	
Alarm output	xl	
External microphone input	Mini-jack (monaural)	
Audio line output		Max ouput level: 1 Vrms
General	,	
Mass	1.7 kg (3 lb 12 oz) (inc	cluding sealing bracket)
Dimensions (ø x H mm)	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)	
Power requirements		t compliant), AC24V
Power consumption		ox. 25W
Operating temperature		(23 to 122°F)
Starting temperature		(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 (320 (4) kit), Ultimate, Professional Edition	
Processor	Microsoft Windows 7 (32/64bit) - Ultimate, Professional Edition Intel Core2 Duo 2 GHz or higher	
Memory		
Memory 1 GB or more Web browser Microsoft Internet Explorer Ver. 6.0, Ver. 7.0, Ver.		
TTED DIOWSEI	місгозоп іnternet Explorer ver. 6.0, ver. 7.0, ver. 8.0 Firefox Ver.3.5 (Plug-in free viewer only)	
		g-in free viewer only)
	Juluii vei.4.0 (Fluț	
Supplied Accessories	Google Chrome Ver.4.0	(Plug-in free viewer only)

SYSTEM CONFIGURATION



DIMENSIONS Unit: mm (inches)

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 $^{{\}rm *The~SNC-ER520~and~SNC-ER521~include~software~developed~by~the~OpenSSL~Project~for~use~in~the~OpenSSL~Toolkit~(http://www.openssl.org/).} \\$