SNC-EP580

Network PTZ Camera — E Series

High-Quality 1080p HD PTZ Camera

- Excellent 1080p HD picture quality, supporting 30 fps at H.264 (1920 x 1080 maximum resolution)
- The Exmor[™] CMOS sensor incorporated to deliver high image quality and low noise
- Powerful 20x optical zoom capability









KEY FEATURES

- Excellent 1080p HD picture quality at 30fps. (H.264).
- The Exmor CMOS sensor delivers high quality and low noise images.
 - Exmor
- · Three codecs (H.264, MPEG-4, JPEG) and dual-streaming capability.
- 20x optical and total zoom ratio of 240x with 12x digital zoom.
- DynaView™— Wide-D technology to handle various lighting conditions in a scene.



 * When using Wide-D technology, the maximum frame rate will be 15fps.

- · 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.

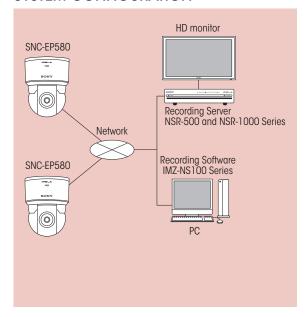


- · Powered by HPoE for simple installation.
- · SD memory card slot for an on-board recording capability.*1*2
- Recording Software (RealShot™ Manager Lite) is bundled to start recording and monitoring instantly.
- · Smart phone viewer for accessing the camera from a smart phone.
- ONVIF™ (Open Network Video Interface Forum) Version 1.02 software. DVIE
- *1 The on-board recording function cannot be used simultaneously with the intelligent motion detection function and the tamper alarm function.
- *2 No guarantee or warranty is given against loss or damage to recorded

SPECIFICATIONS

O	SNC-EP580
Camera	
Image device	1/2.8-type Exmor CMOS
Number of effective pixels	Approx. 3.27 Megapixel
Minimum Illumination	Color: 1.7lx (F1.6, shutter 1/30sec, AGC ON, 50IRE[IP])
	B/W: 0.3lx (F1.6, shutter 1/30sec, AGC ON, Night Mode, 50IRE[IP])
	Color: 1.2lx (F1.6, shutter 1/30sec, AGC ON, 30IRE[IP])
	B/W: 0.18lx (F1.6, shutter 1/30sec, AGC ON, Night Mode, 30IRE[IP])
Electronic shutter speed	1/1 to 1/10,000 s
<u></u>	<u> </u>
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 20x, Digital zoom 12x, Total zoom 240x
Horizontal viewing angle	55.4 to 2.9 degrees
Focal length	f=4.7 to 94.0 mm
F-number	F1.6 to F3.5
Minimum object distance	10mm (wide) to 800mm (tele)
Pan angle	340 degrees
	·
Pan Speed	300 degrees/s (max)
Tilt angle	105 degrees
Tilt speed	300 degrees/s (max)
Preset position	256 positions
Tour	5
Camera Features	
Day/Night	Yes
Wide-D	Yes*1 (86 dB)
Noise Reduction	Yes
	100
Image	1000 1000 1/00 105/ 1000 100/ 1/00 010 100/ 0/0 105/ 7/0 1000 000
Codec image size (H x V)	1920×1080, 1680×1056, 1280×1024, 1440×912, 1280×960, 1376×768, 1280×800,
	1280×720, 1024×768, 1024×576, 800×600, 800×480, 768×576, 720×576, 704×576,
	720×480, 640×480, 640×368, 384×288, 320×240, 320×192
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming
0 1 1	- ·
Maximum frame rate	30 fps (H.264) / 20 fps (MPEG-4) / 16 fps (JPEG)
Audio	
Audio compression	G.711/G.726
Scene Analytics	
Intelligent motion detection	Yes
	100
Network	ID 4 ID 4 TOD LIDD ADD IONE LOTTE LITTER STD 4 II . 44 A CALTE BLICE DATE AND
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NT
	RTP/RTCP, RTSP, SNMP(MIB-2)
ONVIF software	Yes (Ver. 1.02)
Number of clients	5
Authentication	IEEE802.1X
Interface	IEEE002.1X
	100105 T (1000105 T) (D1 45)
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Card slots	
	SD memory card x 1 (Compatible with the SD/SDHC standards)
	SD memory card x 1 (Compatible with the SD/SDHC standards) x2
Sensor input	x2
Sensor input Alarm output	x2 x1
Sensor input Alarm output External microphone input	x2 x1 Mini-jack (monaural)
Sensor input Alarm output External microphone input Audio line output	x2 x1
Sensor input Alarm output External microphone input Audio line output	x2 x1 Mini-jack (monaural)
Sensor input Alarm output External microphone input Audio line output General	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms
Sensor input Alarm output External microphone input Audio line output General Weight	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket)
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (øxHmm)	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 1b 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm)
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (øxHmm) Power requirements	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPOE (IEEE802.3at compilant), AC24V
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (øxHmm) Power requirements Power consumption	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPDE (IEEB02.3at compliant), AC24V Approx. 25W
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (øxHmm) Power requirements Power consumption	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPOE (IEEE802.3at compilant), AC24V
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3dt compliant), AC24V Approx. 25W 23 to 122°F (-5 to +50 °C)
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (øxHmm) Power requirements Power consumption Operating temperature Starting temperature	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (0 to 50 °C)
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Storting temperature Storage temperature	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (-5 to +50 °C) 32 to 122°F (0 to 50 °C) -4 to +140°F (-20 to +60 °C)
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Storting temperature Storage temperature	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HP0E (IEEE802.3dt compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (5 to 50 °C) 32 to 122°F (0 to 50 °C) U12044, FCC 158 Class & IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4,
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Storting temperature Storage temperature	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (-5 to +50 °C) 32 to 122°F (0 to 50 °C) -4 to +140°F (-20 to +60 °C)
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Starting temperature Storage temperature Safety regulation	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HP0E (IEEE802.3dt compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (5 to 50 °C) 32 to 122°F (0 to 50 °C) U12044, FCC 158 Class & IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4,
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Starting temperature Storage temperature Safety regulation System Requirements	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (-5 to +50 °C) 32 to 122°F (-0 to 50 °C) -4 to +140°F (-20 to +60 °C) U12044, FCC 158 Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Storage temperature Storage temperature Safety regulation System Requirements	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg), (including sealing bracket) Ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPOE (IEEE802 3at compliant), AC24V Approx. 25W 23 to 122°F (-5 to +50 °C) 32 to 122°F (-5 to +50 °C) -4 to +140°F (-20 to +60 °C) UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Starting temperature Storage temperature Safety regulation System Requirements	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) φ 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (-5 to +50 °C) 32 to 122°F (-6 to 50 °C) -4 to +140°F (-20 to +60 °C) Ul2044, FCC 158 Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XP™ (32bit) - Ultimate, Business Edition Microsoft Windows Vista™ (32bit) - Ultimate, Business Edition
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Starting temperature Storage temperature Safety regulation System Requirements Operating system	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (-5 to +50 °C) 32 to 122°F (0 to 50 °C) -4 to +140°F (-20 to +60 °C) UI.2044, FCC 158 Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XP™ (32bit) - Ultimate, Business Edition Microsoft Windows 7 (32/64bit) - Ultimate, Business Edition Microsoft Windows 7 (32/64bit) - Ultimate, Business Edition Microsoft Windows 7 (32/64bit) - Ultimate, Professional Edition
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Storage temperature Storage temperature Storage temperature Sorgety regulation System Requirements Operating system	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (5 to 50 °C) -4 to +140°F (-20 to +60 °C) UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XPTM (32bit) - Ultimate, Business Edition Microsoft Windows X (32bit) - Ultimate, Business Edition Microsoft Windows X (32bit) - Ultimate, Professional Edition Intel Core2 Duo 2.33 GHz or higher
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Storage temperature Storage temperature Safety regulation System Requirements Operating system Processor	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (0 to 50 °C) -4 to +140°F (-20 to +60 °C) Ul.2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XP™ (32bit) - Ultimate, Business Edition Microsoft Windows 7 (32/64bit) - Ultimate, Professional Edition Intel Core2 Duo 2.33 GHz or higher 2 GB or more
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Starting temperature Storage temperature Safety regulation System Requirements Operating system Processor Memory	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (5 to 50 °C) -4 to +140°F (-20 to +60 °C) UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XPTM (32bit) - Ultimate, Business Edition Microsoft Windows X (32bit) - Ultimate, Business Edition Microsoft Windows X (32bit) - Ultimate, Professional Edition Intel Core2 Duo 2.33 GHz or higher
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Storage temperature Storage temperature Sofety regulation System Requirements Operating system Processor Memory Web browser	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (0 to 50 °C) -4 to +140°F (-20 to +60 °C) Ul.2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XP™ (32bit) - Ultimate, Business Edition Microsoft Windows 7 (32/64bit) - Ultimate, Professional Edition Intel Core2 Duo 2.33 GHz or higher 2 GB or more
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Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Starting temperature Storage temperature Safety regulation System Requirements Operating system Processor Memory	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (0 to 50 °C) 4 to +140°F (22 to +60 °C) UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XPTM (32bit) - Ultimate, Business Edition Microsoft Windows XIsta TM (32bit) - Ultimate, Professional Edition Intel Core2 Duo 2.33 GHz or higher 2 GB or more Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0 Firefax® Ver. 3.5 (Plug-in free viewer only) Sofari® Ver. 4.0 (Plug-in free viewer only)
Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (a x H mm) Power requirements Power consumption Deperating temperature Starting temperature More temperature Starting temperature More temperature Memory Web browser	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) g 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (5 to +50 °C) -4 to +140°F (-20 to +60 °C) UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XP TM (32bit) - Ultimate, Business Edition Microsoft Windows X Vista TM (32bit) - Ultimate, Professional Edition Microsoft Windows X (32bit) - Ultimate, Professional Edition Microsoft Windows X (32bit) - Ultimate, Professional Edition Microsoft Hindows X (32bit) - Ultimate, Professional Edition Microsoft Intel Core2 Duo 2.33 GHz or higher 2 GB or more Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0 Firefox® Ver. 3.5 (Plug-in free viewer only)
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Sensor input Alarm output External microphone input Audio line output General Weight Dimensions (ø x H mm) Power requirements Power consumption Operating temperature Starting temperature Storage temperature Safety regulation System Requirements Operating system Processor Memory	x2 x1 Mini-jack (monaural) Mini-jack (monaural), Max ouput level: 1 Vrms 3 lb 12 oz (1.7 kg) (including sealing bracket) ø 5 7/8 x 7 5/8 inches (147.4 x 190.9 mm) HPoE (IEEE802.3at compliant), AC24V Approx. 25W 23 to 122°F (5 to +50 °C) 32 to 122°F (0 to 50 °C) 4 to +140°F (22 to +60 °C) UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A Microsoft Windows XPTM (32bit) - Ultimate, Business Edition Microsoft Windows XIsta TM (32bit) - Ultimate, Professional Edition Intel Core2 Duo 2.33 GHz or higher 2 GB or more Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0 Firefax® Ver. 3.5 (Plug-in free viewer only) Sofari® Ver. 4.0 (Plug-in free viewer only)

SYSTEM CONFIGURATION



DIMENSIONS Unit: inches (mm) SONY 7 5/8 (190.9) (190) 1/2 (

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^{*1} When using Wide-D technology, the maximum frame rate will be 15fps.
*The SNC-EP580 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).