SNC-EP580
Network PTZ Camera — E Series

SONY
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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 realize high image quality and low noise

■ Powerful 20x optical zoom capability

340° Pan   2M MEGAPIXEL   Full HD 1080

KEY FEATURES

• Excellent 1080p HD picture quality at 30fps. (H.264)

• The "Exmor" CMOS sensor realizes 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.

DynaView

Normal Shutter Speed

High Shutter Speed

With Wide-D Technology

(Simulated images)

* 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.

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 cannot be used simultaneously with the intelligent motion detection function and the tamper alarm function.

[2] In rare cases, the recorded data might disappear or be damaged. No guarantee is given against damage (including passive damage) resulting from this.

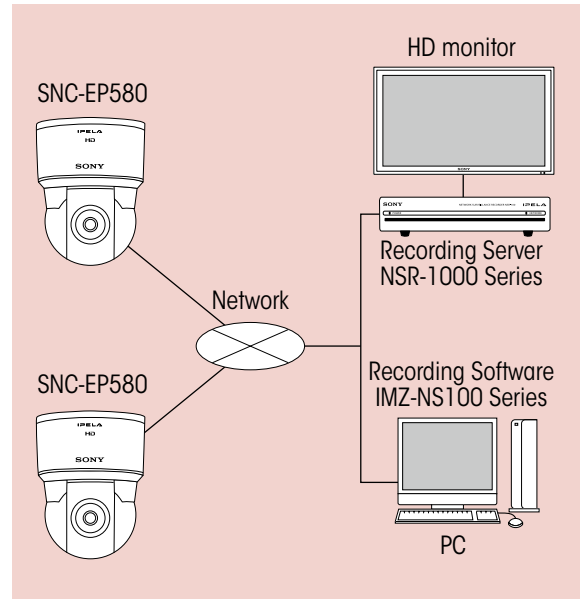[3] For details, please contact your local Sony office.

SPECIFICATIONS

SNC-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
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
Image	
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
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
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 2.33 GHz or higher
Memory	2 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

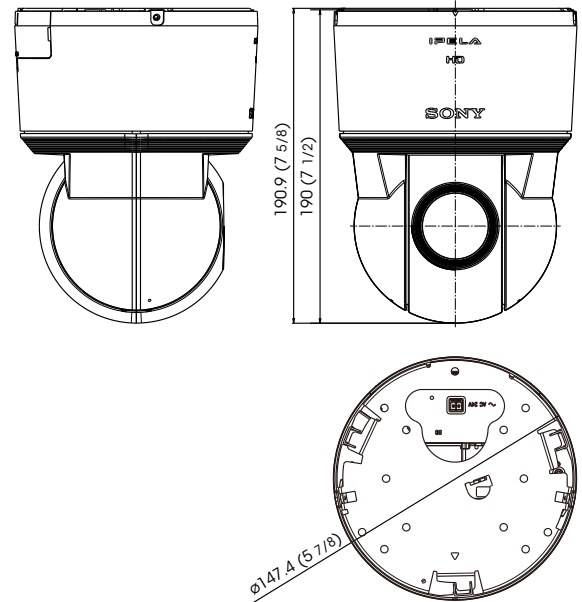*1 When using Wide-D technology, the maximum frame rate will be 15fps.
*The SNC-EP580 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

SYSTEM CONFIGURATION

SNC-EP580

SNC-EP580

Network

HD monitor

Recording Server NSR-1000 Series

Recording Software IMZ-NS100 Series

PC

DIMENSIONS

Unit: mm (inches)

190.9 (7 5/8)
190 (7 1/2)

ø147.4 (5 7/8)

MK10850V1OHB11APR