

# 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 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.
- 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.

**Exmor™**

**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.



- 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.



\*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 data.

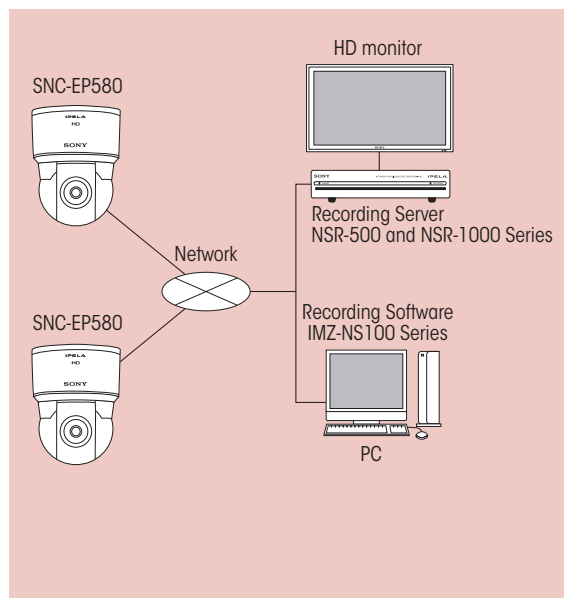
## SPECIFICATIONS

| SNC-EP580  |   |
|--|---|
| <b>Camera</b>  |   |
| 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])<br>B/W: 0.3lx (F1.6, shutter 1/30sec, AGC ON, Night Mode, 50IRE[IP])<br>Color: 1.2lx (F1.6, shutter 1/30sec, AGC ON, 30IRE[IP])<br>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   |
| <b>Camera Features</b>   |   |
| Day/Night  | Yes   |
| Wide-D   | Yes*1 (86 dB)   |
| Noise Reduction  | Yes   |
| <b>Image</b>   |   |
| Codec image size (H x V)   | 1920x1080, 1680x1056, 1280x1024, 1440x912, 1280x960, 1376x768, 1280x800, 1280x720, 1024x768, 1024x576, 800x600, 800x480, 768x576, 720x576, 704x576, 720x480, 640x480, 640x368, 384x288, 320x240, 320x192  |
| 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)  |
| <b>Audio</b>   |   |
| Audio compression  | G.711/G.726   |
| <b>Scene Analytics</b>   |   |
| Intelligent motion detection   | Yes   |
| <b>Network</b>   |   |
| 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  |
| <b>Interface</b>   |   |
| 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 output level: 1 Vrms  |
| <b>General</b>   |   |
| 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   |
| <b>System Requirements</b>   |   |
| Operating system   | Microsoft Windows XP™ (32bit) - Professional Edition<br>Microsoft Windows Vista™ (32bit) - Ultimate, Business Edition<br>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<br>Firefox® Ver. 3.5 (Plug-in free viewer only)<br>Safari® Ver. 4.0 (Plug-in free viewer only)<br>Google Chrome® Ver. 4.0 (Plug-in free viewer only)  |
| <b>Supplied Accessories</b>  |   |
| 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



## DIMENSIONS

Unit: inches (mm)

