# SNC-ER550

Network Rapid Dome Camera — E Series

**SONY**
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## High-Quality 720p HD Rapid Dome Camera
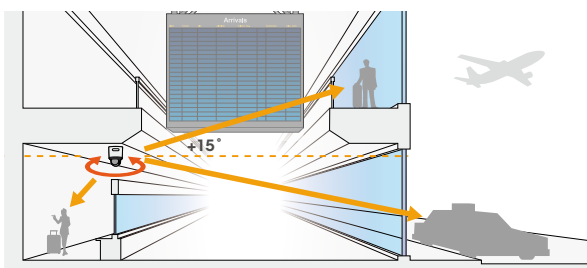
- Excellent 720p HD picture quality, supporting 30 fps at H.264 (1280 x 720 maximum resolution)

- The "Exmor" CMOS sensor incorporated to realize high image quality and low noise

- High-speed 360 degrees endless rotation

- Powerful 28x optical zoom capability

Endless 360° Pan

1 MEGAPIXEL    HD

## KEY FEATURES

- Excellent 720p HD picture quality at 30fps.

- The "Exmor" CMOS sensor realizes high quality and low noise images.

  *Exmor*™

- Three codecs ( H.264, MPEG-4, JPEG) and dual-streaming capability.

- High-speed 360 degrees endless rotation.

- Above-the-horizon tilt – 15°tilt-up, total tilt range of 210°.

  +15°

- 28x optical and total zoom ratio of 336x with 12x digital zoom.

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

  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.

- Recording Software (RealShot Manager Lite) is bundled to start recording and monitoring instantly.

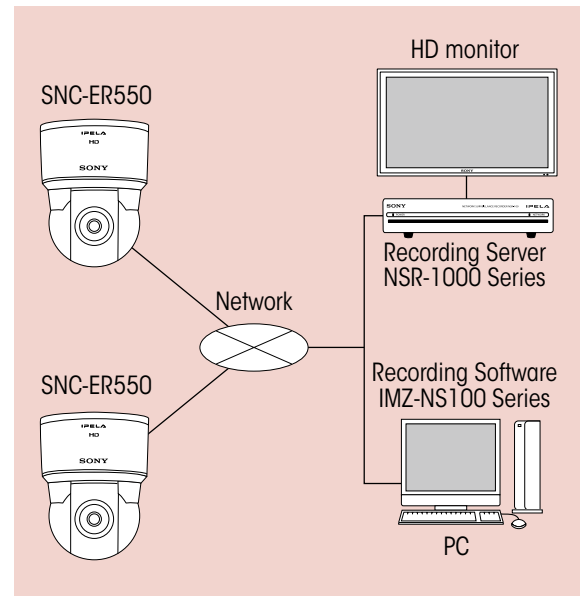- ONVIF (Open Network Video Interface Forum) Version 1.02 conformance.

  ONVIF

Preliminary

# SPECIFICATIONS

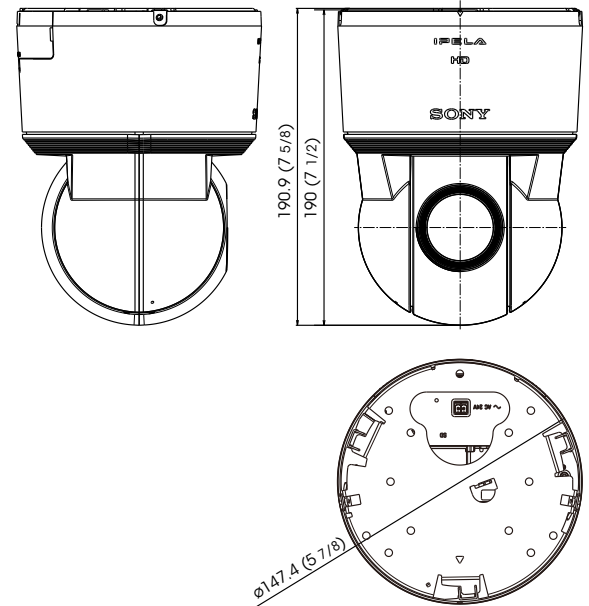| SNC-ER550 | |
|---|---|
| **Camera** | |
| Image device | 1/4-type  Exmor CMOS |
| Number of effective pixels | Approx. 1.43 Megapixel |
| Minimum Illumination | Color: 2.0lx (Tentative) |
| Electronic shutter speed | 1/1 to 1/10,000 s |
| Gain control | Auto/Manual (-3 to 28 dB) |
| Exposure control | 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 28x, Digital zoom 12x, Total zoom 336x |
| Horizontal viewing angle | 55.9 to 2.1 degrees |
| Focal length | f=3.5 to 98 mm |
| F-number | F1.35 to F3.7 |
| 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 |
| Noise Reduction | Yes |
| **Image** | |
| Codec image size (H x V) | 1280×720, 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/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 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 GHz 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-ER550 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

# SYSTEM CONFIGURATION



# DIMENSIONS

Unit: mm (inches)

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