Sony is pleased to introduce a powerful addition to its network HD camera lineup, the SNC-CH180. This unitized IP66-rated, wide dynamic range camera is designed with a built-in infrared (IR) illuminators. This dual-stream network camera supports H.264, MPEG-4, and JPEG compression formats, and delivers excellent picture quality in HD 720p resolution at 30 frames per second (fps).

Incorporating the new Exmor™ CMOS image sensor from Sony, which is specially designed for surveillance applications, this camera features state-of-the-art image-enhancement technology, View-DR, which demonstrates an extremely wide dynamic range. Incorporating a built-in IR LED array, it delivers quality images even in absolute darkness (0 lx)*.

Along with a host of superb features such as DEPA™ Advanced, PoE, a built-in heater, and the Easy Focus function, the SNC-CH180 Bullet Network Camera is ideal for the most demanding surveillance applications.

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**FEATURES**

- Excellent picture quality in HD 720p resolution, supporting H.264 at 30 fps
- 1.3 Megapixel (1280 x 1024) maximum resolution
- The new Exmor CMOS sensor demonstrates high image quality and high sensitivity for surveillance
- Clearly captures objects in the dark - up to 49 feet (15 m) away with the built-in IR illuminators, which allows the camera to operate in 0 lx lighting conditions*  
  (Images 1)
- Wide dynamic range achieved by the innovative View-DR (Visibility Enhanced wide Dynamic Range) technology  
  (Images 2) View-DR
  - Full-capture Wide-D technology – all of the electrons converted from the captured light are fully used
  - High-speed Exmor CMOS sensor
  - Visibility Enhancer technology
- The Visibility Enhancer optimizes contrast and makes the subject more visible, even in severe backlight or shadow conditions
- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination (Images 3)
- Easy Focus / Easy Zoom functions for easy installation
- DEPA Advanced Intelligent Video and Audio Analytics trigger an alarm, based on user-defined rules
- Intelligent Motion Detection
- Tamper Alarm
- Three codecs (H.264, MPEG-4, JPEG) with dual streaming capability
- Power over Ethernet (PoE) capability
- CompactFlash® slot for on-board recording/wireless capability using optional SNCA-CFW5 802.11g card
- Built-in heater
- IP66-rated – suitable for use outdoors
- ONVIF™ Software (Open Network Video Interface Forum)

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*0 lx requires the use of IR illuminators.  
IR rays are not visible to the human eye.  
When the IR illuminators is activated, the image is in black and white.
SPECIFICATIONS

Camera
- Image device: 1/3 type progressive scan Exmor CMOS sensor
- Minimum Illumination: 0.15 lux (Color)
- Electronic shutter speed: 1/60 to 1/10000
- Gain control: Automatic (3 levels)
- White balance mode: Auto, AWB, AWB Manual
- Zoom ratio: 2.9X (x2 Digital Zoom)
- Minimum objects distance: 300 mm
- Powered Focus: Yes
- Powered Zoom: Yes
- IR illuminators: Yes
- Visibility Enhancer: Yes
- XDNR: Yes
- Image size: 1280 x 1024, 1280 x 720, 1024 x 720, 720 x 576, 640 x 480, 384 x 288, 1280 x 1024, 1280 x 720
- Video compression format: H.264, MPEG-4, JPEG
- Audio compression: G.711/G.726
- Intelligent motion detection: Yes (with built-in Post Filter)
- Intelligent object detection: No

Audio Analytics
- Protocols: IPv4, IPv6, TCP, UDP, ARP, ICMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
- Wireless network: Yes
- Number of clients: 10
- Authentication: IEEE802.1X
- Audio input: 10BASE-T / 100BASE-TX (RJ-45)
- Audio output: 10BASE-T / 100BASE-TX (RJ-45)
- Analog video output: BNC x 1, RCA x 1
- Alarm input: 1
- Alarm output: 2
- External microphone input: Mini-jack (Monaural), MIC IN/LINE IN: 2.5VDC plug-in power
- Audio line output: Mini-jack (Monaural), Max output level: 1 Vrms

System Requirements
- Processor: Intel Core2 Duo 2 GHz or higher
- Memory: 1 GB or more
- Web browser: Microsoft Internet Explorer Ver6.0, 7.0, or 8.0

Dimensions
- Unit: inches (mm)
- Dimensions (W x H x D): 3 5/8 x 3 1/2 x 7 3/8 inches (90 x 93 x 186 mm)

Supplied Accessories
- CD-ROM (User’s Guide, SNC Toolbox)
- Installation manual
- Wire rope
- 4 M4 screws
- B&P Warranty Booklet
- Template

The SNC-CH180 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

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1. VE of mode only.
2. View-DR off mode only.
5. When used with PoE, SNC-CH180 cannot be used with a heater and a CF card slot.

Weights and measurements are approximate.

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