

High-Quality 720p HD Security Camera with IR Illuminators

- Excellent 720p HD picture quality, supporting H.264 at 30 fps
- 1.3 Megapixel (1280 x 1024) maximum resolution
- Three codecs (H.264, MPEG-4, JPEG) and dual streaming capability
- The Exmor[™] CMOS sensor incorporated to deliver high image quality and low noise



KEY FEATURES

• Built-in IR (Infrared) illuminators to assist capturing objects in the dark even under 0 lx, up to 49 feet (15 m) away.





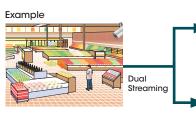
OFF

Actual images of one of Sony's HD cameras with IR illuminators.

• IP66-rated waterproof and dust-tight feature for outdoor surveillance, or indoor where water ingress may pose an issue.

ON

- Easy Focus/Easy Zoom functions for easy installation.
- Optical Day/Night function to switch to Day or Night mode depending on the light level.
- Recording software (RealShot[™] Manager Lite) is bundled to start recording and monitoring instantly.
- Stream Squared function allows simultaneous streaming of two 4:3 aspect ratio videos in user selectable SD resolutions. User can select the entire image or a portion of the image from the original field of view and resize to SD resolution or lower for each stream. With this feature, the SNC-CH160 can replace two SD cameras installed in the same line of view.





1st Streaming VGA video of a whole

2nd Streaming VGA video of a cropped area Intelligent Motion Detection that supports DEPA™ analytics.



- Analog monitor output (phono jack).
- Powered by PoE (Power over Ethernet) for simple installation.
- Equipped with a built-in heater for continued camera operation in cold weather.
- ONVIFTM (Open Network Video Interface Forum) software that ensures greater interoperability and more flexibility in building multiplevendor systems.

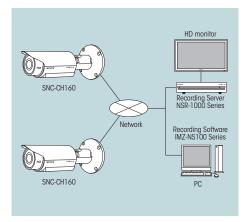




SPECIFICATIONS

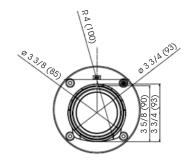
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480, 704 x 576, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192 (H 264, MPEG-4, JPEG) Video compression format H 264, JPEG Codes streaming copability Dual streaming Maximum frame rate H 264 (201ps (1280 x 1024) / 30 fps (1280 x 720) JPEG: 30 fps (1280 x 1024) / 30 fps (1280 x 720) JPEG: 30 fps (1280 x 1024) / 30 fps (1280 x 720) Intelligent motion detection Yes Network Protocols Protocols IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP NONF software Yes Number of clients 5 Authentication IEEE802.1X Analog Monitor Output Signal system Signal system NTSC / PAL Interferce IDBASE-T / 100BASE-TX (RJ-45) Analog Monitor output Phono jack x 1 Sensor input x 1, make contact, break contact Alarm output x 1, 24/ A/D/DC, 1A (Mechanical relay outputs electrically isolated from the comera) General 9 Weight 3 lb 6 oz (1520 g) Obver requirements PoE Power requirements	Image	
Codec streaming capability Dual streaming Maximum frame rate H.264.20tps (1280 x 1024) / 30 tps (1280 x 720) JPEG-30tps (1280 x 1024) / 30 tps (1280 x 720) Meximum frame rate MPEG-42:50tps (1280 x 1024) / 30 tps (1280 x 720) Intelligent mation detection Yes Network Protocols Protocols IP-4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP Nortwork Yes Number of clients 5 Authentication IEEE802.1X Analog Monitor Output Signal system NTSC / PAL Fibernet 10BASE-T7 (100BASE-TX (R2-45) Analog monitor output Phono jack x 1 Sensor input x1, 24V AC/DC, 1A (Mechanical relay outputs electrically isolated from the camera) Weight 3 1b 6 oz (1520 g) Dimensions g 3 3/4 x 7 3/8 inches (9/3 x 186 mm) ø 5 5/8 x 13 1/4 inches (140 x 334.8 mm) (including arm) Power consumption 12.94 W max Starting temperature -22* F to +122* F (20*°C to +50*°C) Working temperature -22* F to +122* F (20*°C to +50*°C) Starting temperature -22* F to +122* F (20*°C to +60*°C)	Codec image size (H x V)	1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 720 480, 704 x 576, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG)
Maximum frame rate H.244.20[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) JPEG-30[tps (1280 × 1024) / 30 (tps (1280 × 720) JPEG-30[tps (1280 × 1024) / 30 (tps (1280 × 720) JPEG-30[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 720) MPEG-4.25[tps (1280 × 1024) / 30 (tps (1280 × 1280 × 1280 × 1024) / 30 (tps (1280 × 1280 × 1280 × 1024) / 30 (tps (1280 × 1280 × 1280 × 1024) / 30 (tps (1280 × 1280 × 1280 × 1024) / 30 (tps (1280 × 1280 × 1280 × 1024) / 30 (tps (1280 × 1280 × 1280 × 1024) / 30 (tps (1280 × 1280 ×	Video compression format	H.264, MPEG-4, JPEG
MPEG-30fps (1280 x 1024) / 30 fps (1280 x 720) JPEG-30fps (1280 x 1024) / 30 fps (1280 x 720) Scene Analytics Intelligent motion detection Network Protocols IP-4, IP-6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP ONVEr Software Yes Number of clients 5 Authenticcion IEEE802.1X Anclog Monitor Output Signal system Signal system NTSC / PAL Interface IEEE802.1X Analog monitor output Phono jack x 1 Sensor input x 1, make contact, break contact Alarm output x 1, 244 AC/DC, 1A (Mechanical relay outputs electrically isolated from the camera) General General Weight 3 lb 6 oz (1520 g) Dimensions ø 3 34 x 7 36 inches (93 x 186 mm) ø 5 5/8 x 13 1/4 inches (140 x 334.8 mm) (including arm) Power requirements PoE Power roousumption 12.2 W max Storing temperature -4° F to + 140°F (20°C to + 50°C) Working temperature -4° F to + 140°F (20°C to + 50°C) Working temperature -4° F to + 140°F (20°C to + 50°C)	Codec streaming capability	Dual streaming
Scene Analytics The Net Nork Intelligent motion detection Yes Network IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP Protocols IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP ONVEr software Yes Number of clients 5 Analog Monitor Output IEEE802.1 X Analog Monitor Output Phono jack x1 Sensor Input x1, make contact, break contact Analog monitor output Phono jack x1 Sensor Input x1, make contact, break contact Alarm output x1, 24V AC/DC, 1A (Mechanical relay outputs electrically isolated from the camera) General 9 Weight 3 Ib 6 az (1520 g) Dimensions ø 3 3/4 x 7 3/8 inches (93 x 186 mm) ø 5 5/8 x 13 /4 inches (140 x 334.8 mm) (including arm) Power requirements PoE Power requirements PoE Power consumption 12.9 W max Starting temperature -22° F to +122° F (20°C to +50°C) Working temperature -22° E to +122° F (20°C to +60°C) Ingress	Maximum frame rate	MPEG-4: 25fps (1280 x 1024) / 30 fps (1280 x 720)
Intelligent motion detection Yes Network Protocols IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP NONF of dware Yes Number of clients 5 Authentication IEEE802.1X Analog Monitor Output Signal system Signal system NTSC / PAL Interface Interface Ethernet 108ASE-T / 100BASE-TX (RJ-45) Analog monitor output Phono jack x 1 Sensor input x 1, z4V AC/DC, 1A (Mechanical relay outputs electrically isolated from the camera) Ceneral Weight Dimensions ø 3 3/4 x 7 3/8 inches (93 x 186 mm) ø 5 5/8 x 13 1/4 inches (140 x 334.8 mm) (including arm) PoE Poe Power consumption 12.9 W max Starting temperature -4°F to +122°F (-20°C to +50°C) Working temperature -2°F to +122°F (-20°C to +50°C) Storating tempera	Scene Analytics	3FEG. 301ps (1200 x 1024) / 30 1ps (1200 x 720)
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Power consumption 12.9 W max Starting temperature -4°F to +122°F (20°C to +50°C) Working temperature -22°F to +122°F (-30°C to +50°C) Starting temperature -22°F to +120°F (-20°C to +60°C) Ingress protection IP66 Safety regulation UL2044, FCC 158 Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick System Requirements Microsoft Windows XP™, Windows Vista™ (32bit), Windows® 7 (32bit) 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.3.0 (Plug-in free viewer only) Google® Chrome Ver.4.0 (Plug-in free viewer only) Supplied Accessories CD-ROM (User's Guide, SNC Toolbox) Installation manual	Power requirements	
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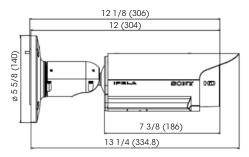
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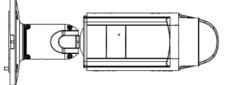


DIMENSIONS

Unit: inches (mm)







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*1 Removable IR Cut Filter.

*The SNC-CH160 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

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