

Product Information

SNC-CH260

E Series bullet Full HD (1080p) resolution Outdoor network security camera with IR illumination

The SNC-CH260 is an outdoor high definition (1080p, supporting H.264 at 30fps) 3 Megapixel bullet camera with Optical Day/Night function, IR Illumination, DEPA and ONVIF compliance. It supports dual streaming and triple codec encoding.

Sony's Exmor CMOS sensor provides excellent pictures and event detection for effective evidence gathering.

Sony's E-Series cameras have outstanding picture quality and a range of features at an affordable price.

1-year PrimeSupport is included as standard within the EU, Norway and Switzerland. This gives users access to an expert helpdesk and, in the unlikely event of a failure, will arrange for an advance replacement unit to be delivered within a target time of one working day. An additional 2-years support is also available as an option.

Features

DEPA

The SNC-CH260 offers intelligent video analytics, based on the Sony DEPA platform. DEPA is a combined function of the intelligence built in to the camera and rules/filters that determine which images should be recorded or when an alarm should be triggered.

EXMOR® and CMOS Sensor®

High resolution CMOS sensor® with low noise characteristics for improved image acquisition. Derived from Sony's broadcast product range, EXMOR® is one of the highest quality image sensors available.

Power over Ethernet (PoE) capability

Supporting Power over Ethernet (PoE), the camera can be powered using the same Ethernet cable it uses for data transfer. This feature greatly reduces the physical infrastructure costs and speed of deployment.

ONVIF (Open Network Video Interface Forum) compliance

The ONVIF (Open Network Video Interface Forum) defines a common protocol for the exchange of information between network video devices including automatic device discovery and video streaming. Allows interoperability between network video devices.

Full HD (1920x1080p) resolution

Detailed Full HD progressive images. Progressive acquisition (as opposed to interlace) means that images are more stable to view, contain more information and compress more efficiently - without "interlace artifacts".

Supports multiple industry standard codecs: H264, MPEG-4 and JPEG with dual streaming capability

This multi-codec camera supports three compression formats: JPEG, the best choice of high-quality still images; MPEG-4, the format that provides clear moving images efficiently over limited-bandwidth networks; and H.264, the alternative for severely limited-bandwidth networks, providing twice the efficiency of MPEG-4. The camera can generate multiple streams simultaneously.

Stream Squared Function

An incredibly useful function that allows simultaneous streaming of two 4:3 aspect ratio videos in user-selectable SD resolutions. You can select the entire image or a portion of the image from the original view and resize to SD resolution. With this feature the SNC-DH220 can replace two SD cameras installed in the same line of view.

Optical Day/Night

Optimises sensitivity in day and night conditions. As night falls, an infra-red filter is automatically removed and the camera switches to monochrome. In this mode, the camera can acquire images extremely low light conditions.

IR Illuminators

Built-in IR (Infrared) illuminators provide assistance to the camera when capturing objects in the dark.

Easy Focus/Easy Zoom

Easy Focus/Easy Zoom simplifies installation by making it easy to set up the focus and zoom settings of the camera.

Built-in heater

Ensures that the camera will operate correctly in cold weather.

Analogue Monitor Output

This allows an analogue video monitor to be connected directly to the camera.

Technical Specifications

Camera

Image device	1/2.8 type progressive scan "Exmor" CMOS sensor
Minimum illumination	Color: 0.70lx lx, B/W: 0 lx (IR ON) (F1.2/ AGC 42dB / 50IRE [IP])
Number of effective pixels (H x V)	Approx. 3.27Megapixel (2096×1561)
Electronic shutter speed	1s to 1/10000 s
Gain control	Auto
Exposure control	Auto, EV Compensation, Auto Slow Shutter
White balance mode	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens type	Buil-in Vari-focal lens
Zoom ratio	Optical 2.9X (x2 Digital Zoom)
Horizontal viewing angle	88.5 degrees to 32.3 degrees

Focal length	f=3.1 mm to 8.9 mm
F-number	F1.2 (Wide), F2.1 (Tele)
Minimum objects distance	300 mm
Powered focus	Yes (Easy Focus)
Powered zoom	Yes (Easy Zoom)
IR illuminators	Yes (Wave Length: 850nm [Typical], IR LED: 21pcs)

Camera Features

Day/Night *1 Yes

Noise reduction Yes

Image

Codec image size (H x V) 1920 x 1440, 1600 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800, 1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640x 368, 384 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG)

Video compression format H.264, MPEG-4, JPEG

Codec streaming capability Dual streaming

Maximum frame rate H264: 20fps (1920 x 1440) / 30fps (1920 x 1080)
MPEG-4: 15fps (1920 x 1440) / 20 fps (1920 x 1080)
JPEG: 10fps (1920 x 1440) / 15fps (1920 x 1080)

Scene Analytics

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 (MIB-2)

ONVIF conformance Yes

Number of clients 5

Authentication IEEE802.1X

Analog Monitor Output

Signal system NTSC / PAL

Interface

Ethernet 10BASE-T / 100BASE-TX (RJ-45)

Analog monitor output Phono jack x 1 (1.0 Vp-p, 75 ohms, unbalanced, sync negative)

Sensor input x 1, make contact, break contact

Alarm output x 1, 24V AC/DC, 1A (mechanical relay outputs electrically isolated from the camera)

General

Mass 1520g (3 lb 6 oz)

Dimensions 93 x 186 mm (3 3/4 x 7 3/8 inches)
140 x 334.8mm (5 3/8 x 13 1/4 inches) (including arm)

Power requirements PoE

Power consumption 12.9 W max.

Starting temperature -20 °C to +50 °C (-4 °F to +122 °F)

Working temperature -30 °C to +50 °C (-22 °F to +122 °F)*2

Storage temperature -20 °C to +60 °C (-4 °F to +140 °F)

Ingress protection IP66

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, 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.3.5 (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

Supplied CD-ROM (User's Guide, SNC Toolbox), Installation manual, Wire rope,
Accessories +M4x8 screw, Warranty Booklet, Template

Notes

*1 Removable IR Cut Filter. *2 With a built-in heater. *The SNC-CH260 includes
Notessoftware developed by the OpenSSL Project for use in the OpenSSL Toolkit
(<http://www.openssl.org/>).

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