Product Information

SNC-CH110

X Series compact fixed HD (720p) resolution network security camera

The SNC-CH110 is a compact indoor high definition (720p) 1.3 Megapixel (1280 x 1024 maximum resolution) fixed camera with Electrical Day/Night function, DEPA and ONVIF compliance. It supports dual streaming and triple codec encoding.

Sony's X-Series cameras have outstanding picture quality and a compact, affordable, stylish design.

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

Compact and Stylish design

A compact, stylish and discreet design that compliments any surveillance environment.

DEPA

The SNC-CH110 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.

HD (720p) resolution

Detailed 720p 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 artefacts".

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-CH110 can replace two SD cameras installed in the same line of view.

Electrical Day/Night

Ensures that the camera is operating with the optimum sensitivity for both day and night conditions

Analogue Monitor Output

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

Technical Specifications

Camera

Image device	1/3.8 type CMOS sensor
Minimum illumination	5.0 lx / AGC 30dB / 50IRE [IP]
Number of effective pixels (H x V)	1.3Megapixel (1296×985)
Electronic shutter speed	1/2 s 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	fixed
Horizontal viewing angle	80.7 degrees
Focal length	f=2.34
F-number	F2.8
Minimum objects distance	500 mm

Camera Features

Day/Night   Yes (electrical D/N)

Noise reduction Yes

Image

| Codec image size (H x V) | 1280x960, 1280x720, 1024x768, 1024x576, 768x576, 720x576, 704x576, 800x480, 720x480, 640x480, 640x368, 384x288, 352x288, 320x240, 320x192, 176x144 |

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

Codec streaming capability   Dual streaming

Maximum frame rate   JPEG / MPEG-4 / H.264: 30fps (1280×960 / 1280x720)

Scene Analytics

Intelligent motion detection Yes

Network

Protocols   IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client), SMTP, DHCP, DNS,NTP, RTP/RTCP, RTSP, SNMP (MIB-2)

ONVIF conformance	Yes (Version 1.01)

Number of clients	5

Authentication	IEEE802.1X

Analog Video Output

Signal system	NTSC / PAL

Interface

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

Analog monitor output	AV Mini Jack

Sensor input	x 1

General

Mass	100 g (3.5 oz)

Dimensions	44 x 93 mm (1 3/4 x 3 3/4 inches)

Power requirements	PoE

Power consumption	2.4W

Working temperature	0 °C to 50 °C (32°F to 122°F)

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

Safety regulation	UL2044, FCC 15B Class B, IC Class B, IEC60950-1, EN55022(B)+EN55024+EN50130-4, VCCI Class B, C-Tick Class B

System Requirements

Operating system	WindowsXP, WindowsVista (32bit), Windows7 (32bit)

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 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 Accessories	CD-ROM (User's Guide, SNC Toolbox-RSM-Lite), Installation manual, B&P warranty booklet, FrontSheet (with logo), Front Sheet (without logo), Sensor input cable

Notes

Notes	* The SNC-CH110 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

www.pro.sony.eu/videosecurity