

## SNC-CH110

Compact 720p/30 fps Camera - X Series



### Overview

The SNC-CH110 is a compact indoor high definition (720p) 1.3 Megapixel (1280 x 1024 maximum resolution) fixed camera with Electronic 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.

### 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

## **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.

## **Electronic 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.

### Specifications

Camera	
Image Sensor	1/3.8-type CMOS sensor
Number of Effective Pixels	Approx. 1.3 Megapixels
Signal System	NTSC/PAL (switchable)
Sync System	Internal synchronization
Minimum Illumination (50 IRE)	Color: 5.0 lx (F2.8, AGC (Max.), 1/30 s)
Minimum Illumination (30 IRE)	Color: 2.7 lx (F2.8, AGC (Max.), 1/30 s)
Gain	Auto
Shutter Speed	1/2 s to 1/10,000 s
Exposure Control	Auto, EV Compensation, Auto Slow Shutter
White Balance	Auto(ATW, ATW-PRO) , Preset, One-push WB, Manual
Lens	Fixed lens

Zoom Ratio	Digital zoom 3x Total zoom 3x
Horizontal Viewing Angle	80.7°
Vertical Viewing Angle	60.5°
Focal Length	f = 2.34 mm
F-Number	F2.8
Minimum Object Distance	500 mm

## Camera Features

Day/Night	Electronic D/N
Noise Reduction	NR
Superimpose Number	2 independent positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independent position for a logo mark
Superimpose Language	English
	English, Japanese, Chinese (simplified), Chinese (traditional),

Menu Language	French, Spanish, German, Italian, Korean, Portuguese
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Smartphone viewer	Yes
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## Video

Resolution	1280x960, 1280x720, 1024x768, 1024x576, 768x576, 720x576, 704x576, 800x480, 720x480, 640x480, 640x368, 384x288, 352x288, 320x240, 320x192, 176x144
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Compression Format	H.264, MPEG-4, JPEG
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Maximum Frame Rate	H.264: 30 fps (1280x960, 1280x720) MPEG-4: 30 fps (1280x960, 1280x720) JPEG: 30 fps (1280x960, 1280x720)
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Range of Bit Rate Setting	64 Kbps to 8 Mbps
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Solid PTZ	Yes
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Adaptive Rate Control	H.264
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Bandwidth Control	JPEG
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Multi streaming Capability	Dual streaming *1
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Number of Clients 5

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## Intelligent Video/Audio Analytics

Analytics Architecture DEPA

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Intelligent Motion  
Detection Yes

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Tamper Alarm Yes

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## Audio

Compression Format No

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## System Requirements

Operating System Microsoft Windows XP  
Windows Vista (32 bit)  
Windows 7 (32 bit, 64 bit)

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Processor Intel Core2 Duo 2 GHz or higher

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Memory 1 GB or more

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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)
SNC toolbox	Yes
SNC toolbox mobile	Yes

## Network

Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
Number of IP Address/Mac ADDRESS	1
QoS	DSCP
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S
Authentication	IEEE802.1X

## Interface

Analog Monitor	AV MiniJack
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## Output for Setup

Network Port	10BASE-T/100BASE-TX (RJ-45)
Alarm Input (Sensor Input)	x1

## General

Power Requirements	IEEE 802.3af compliant (PoE) Class 1
Power Consumption	2.4 W
Operating Temperature	0 to +50°C +32°F to +122°F
Storage Temperature	-20 °C to + 60 °C -4 °F to + 140 °F
Operating Humidity	20 % to 80 %
Storage Humidity	20 % to 95 %
Dimensions *2	φ44 x 93 mm φ1 3/4 x 3 3/4 inches
Mass	100 g
External Material	Front Cover: ABS+PC Rear Cover: ABS+PC Case: Aluminum



External Color

Front & Rear Cover: Munsell 5.2PB  
1.9/0.2 for Black Model  
Front & Rear Cover: Munsell 2.3G  
8.4/0.2 for Silver Model  
Case: Black for Black model  
Case: Silver for Silver model

Safety Regulations

JATE Technical Standard (LAN)  
UL2044, IEC60950-1 (CB)  
VCCI Class B, FCC Class B, IC Class  
B  
Emission: EN55022 (Class B) +  
EN50130-4  
Immunity: EN55022 (Class B) +  
EN55024  
Emission: AS/NZS CISPR22 (Class  
B)

Supplied Accessories

Installation Manual (1)  
B&P warranty booklet (1)  
Front sheet (with logo) (1)  
Front sheet (without logo) (1)  
Sensor input cable (1)

## Notes

\*1 Dual streaming (Any combination  
with JPEG/MPEG-4/H.264,  
including multiple streams of the

same format)

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The values for dimensions are approximate.

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## Gallery









