

## SNC-CH210

Compact 1080p/15 fps Camera - X Series



### Overview

Designed for a compact budget, this space-saving camera has several top-end features, making it an obvious choice for a wide range of surveillance applications.

The SNC-CH210 not only captures pristine HD images, but it provides users with a new way to use them

- **Excellent HD picture quality**

Very high resolution images with a full 30fps available at 1080p resolution. Higher resolution images mean more detail in the picture and progressive video leads to better images after compression

- **Exmor 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

- **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-CH210 can replace two SD cameras installed in the same line of view.

- **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

- **Innovative design**

A compact, unobtrusive design available in two body colours, designed to blend in with its surroundings.

- **Power over Ethernet (PoE) capability**

Supporting Power over Ethernet (PoE), the SNC-CH210 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.

## Features

- Excellent HD picture quality with 1080p resolution at 30fps
- Exmor CMOS Sensor
- Stream Squared function: two views from one camera
- Supports multiple industry standard codecs: H264, MPEG-4 and JPEG with dual streaming capability
- Innovative design: compact, slim and with two body colours
- Power over Ethernet (PoE) capability
- ONVIF (Open Network Video Interface Forum) compliance

## Technical Specifications

Camera	
● Image Sensor	1/2.8 type progressive scan "Exmor" CMOS sensor
● Number of Effective Pixels	Approx. 3 Megapixels
● Signal System	NTSC color system/PAL color system (switchable)
● Sync System	Internal synchronization
● Minimum Illumination (50 IRE)	2.0 lx (AGC 38 dB / 50 IRE)
● Minimum Illumination (30 IRE)	1.5 lx (AGC 38 dB / 30 IRE)
● Gain	Auto
● Shutter Speed	1 s to 1/10000 s
● Exposure Control	Auto, EV Compensation, Auto Slow Shutter
● White Balance	Auto(ATW, ATW-PRO) , Preset, One-push WB, Manual
● Lens	fixed
● Powered Zoom	No
● Easy Zoom	No
● Powered Focus	No
● Horizontal Viewing Angle	88°
● Focal Length	f = 3.3 mm
● F-Number	F2.8
● Minimum Object Distance	500 mm
● IR Illuminator	No

Camera Features	
● Day/Night	Electronic D/N
● Wide-D	No
● Tone Correction	No
● Noise Reduction	NR
● Image Stabilizer	No
● Vandal Resistant	No
● Ingress Protection	No

Video	
● Resolution	2048x1536(JpegOnly), 1920x1080, 1600x1200, 1680x1056, 1440x912, 1280x1024, 1280x960, 1376x768, 1280x800, 1280x720, 1024x768, 1024x576, 768x576, 720x576, 704x576, 800x480, 720x480, 640x480, 640x368, 384x288, 352x288, 320x240, 320x192, 176x144
● Compression Format	H.264, MPEG-4, JPEG

● Maximum Frame Rate	JPEG: 12 fps (2048x1536)/15 fps (1920x1080)/30 fps (1280x720) MPEG-4: 15 fps (1920x1080)/30 fps (1280x720) H.264: 15 fps (1920x1080)/30 fps (1280x720)
● Multi streaming Capability	Dual streaming*1
● Number of Clients	5

Intelligent Video/Audio Analytics	
● Analytics Architecture	DEPA
● Intelligent Motion Detection	Yes

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

Network	
● Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS,NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
● Number of IP Address/Mac ADDRESS	1
● ONVIF Conformance	Profile S
● Wireless Network	No
● Authentication	IEEE802.1X

Interface	
● Alarm Input (Sensor Input)	x1
● USB Slots	No

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 to +60°C -4 to +140°F
● Operating Humidity	20% to 80%
● Storage Humidity	20% to 95%
● Dimensions*2	φ 44 x 93 mm φ 1 3/4 x 3 3/4 inches
● Mass	100 g
● Safety Regulations	UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
	CD-ROM (User's Guide, and supplied programs) (1)

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

#### Footnotes

- \*1 Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)
- \*2 The values for dimensions are approximate.

## Accessories

### Housings



**UNI-ORBC6**  
Environmental IP66-rated housing supporting .af PoE cameras and Sony sunshield

### Mounting Hardware



**SNCA-WMFX10PC**  
Wall/Celling camera bracket



**UNI-XBS1/T**  
Silver bracket for SNC-CH110S and SNC-CH210S

### Power Supplies



**SNCA-HPOE1**  
Single port, high-power Gigabit PoE midspan



**SNCA-POE1**  
Compact Power over Ethernet power supply for fixed and minidome cameras



**SNCA-POE12**  
Compact 12-port Power over Ethernet (PoE) midspan power supply for fixed and minidome cameras



**SNCA-POE6**  
Compact 6-port Power over Ethernet (PoE) midspan power supply for fixed and minidome cameras



**SNCA-POWERBOX**  
Combined power supply and fixing bracket



**SNCA-PS12-1**  
An indoor, in line power supply with one output rated at 1 Amp, 12V DC



**SNCA-PS24-1**  
An indoor, in line power supply with one output rated at 1 Amp, 24V AC



**SNCA-PS24-4E**  
An external power supply with one 4 Amp 24V AC fused output. Polycarbonate IP66 rated enclosure suitable for outdoor use.

