Compact and Affordable:
An Innovative HD Security Camera from Sony

Sony is pleased to introduce a unique addition to its network HD cameras lineup, the SNC-CH210.

This compact and affordable HD camera, supporting H.264, MPEG-4, and JPEG compression formats, delivers excellent and detailed images in HD resolution at 30 frames per second (fps). Incorporating the three-megapixel Exmor™ CMOS image sensor from Sony, which is specially designed for discreet surveillance applications, this camera demonstrates high image quality and low noise for surveillance. What's more, the SNC-CH210 has useful functions such as "Stream Squared" and PoE.

With excellent HD picture quality in a compact design, SNC-CH210 Fixed Network Camera is ideal for many surveillance applications, including retail outlets, schools, and other commercial buildings.
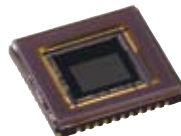
HD

Network HD Camera
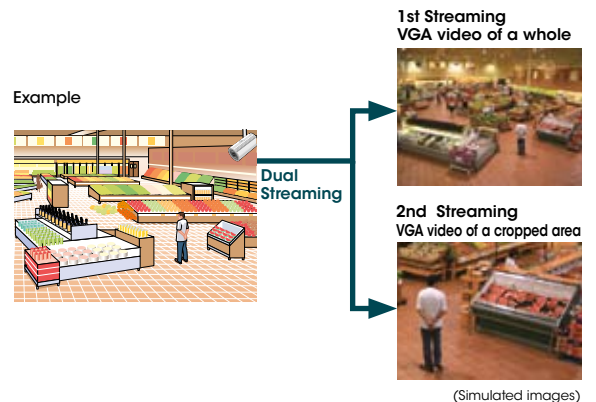# SNC-CH210

Preliminary

Key Features

- **Excellent picture quality in HD 720p resolution, supporting H.264 at 30fps** **HD**

- **3 Megapixel (2048 x 1536) maximum resolution**

- **The Exmor CMOS sensor delivers high image quality and high sensitivity for surveillance**
  Exmor™

- **Three codecs (H.264, MPEG-4, JPEG) with dual streaming capability**

- **Innovative design**
  Compact, slim, and available in two body colors: suitable for many applications where security cameras need to be discreetly placed without being detected.

- **"Stream Squared" function**
  "Stream Squared" is a 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 field of view and resize to SD resolution or lower for each stream. With this feature, the SNC-CH210 can replace two SD cameras installed in the same line of view.
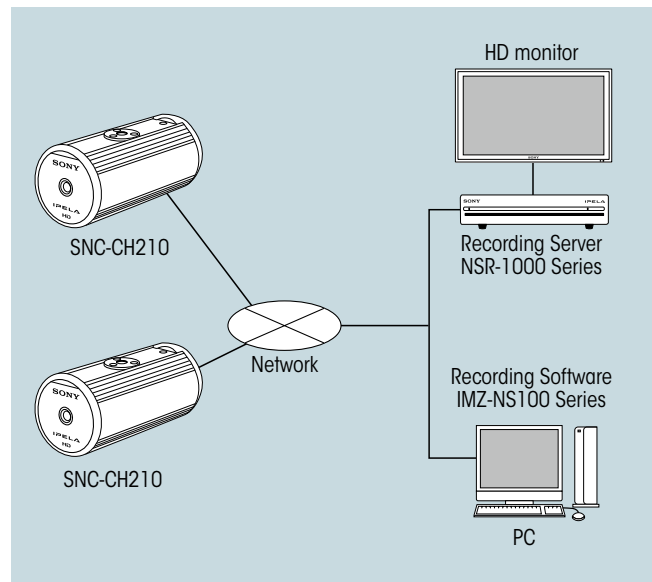
1st Streaming
VGA video of a whole

Example

Dual Streaming

2nd Streaming
VGA video of a cropped area

(Simulated images)

- **Power over Ethernet (PoE) capability**
- **ONVIF™ Software** **Onvif**

SPECIFICATIONS

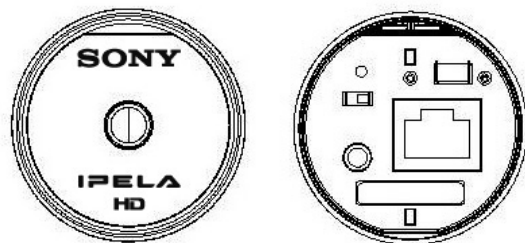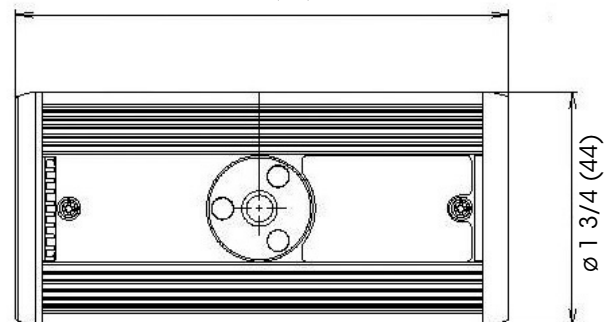| SNC-CH210	
Camera	
Image device	1/2.8 type progressive scan Exmor CMOS sensor
Minimum illumination	TBD
Number of effective pixels (H x V)	3 Megapixel (2096 x 1561)
Electronic shutter speed	1s to 1/10000s
Gain control	Auto
Exposure control	Auto Slow Shutter
White balance mode	Auto, Preset, One-push WB, Manual
Lens type	Fixed
Horizontal viewing angle	Approx. 90 degree (TBD)
Focal length	f=3.3 mm
F-number	F2.8
Minimum object distance	TBD
Camera Features	
Day/Night	Yes (electrical D/N)
Image	
Codec image size (H x V)	2048x1536 (JPEG Only), 1920x1080, 1600x1200, 1680x1050, 1440x900, 1280x1024, 1280x960, 1366x768, 1280x800, 1280x720, 1024x768, 1024x576, 768x576, 720x576, 704x576, 800x480, 720x480, 640x480, 640x360, 384x288, 320x240, 320x180 (H.264, MPEG-4, JPEG)
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming
Maximum frame rate	H.264: 12fps (1920×1080) (TBD) / 30 fps (1280 x 720) MPEG-4: 15fps (1920×1080) (TBD) / 30 fps (1280 x 720) JPEG: 7fps (2048×1536) (TBD) / 30 fps (1280 x 720)
Scene Analytics	
Motion detection	Yes (TBD)
Tamper alarm	Yes (TBD)
Network	
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
ONVIF software	Yes
Number of clients	5 (TBD)
Authentication	IEEE802.1X
Analog Video Output	
Signal system	NTSC / PAL
Horizontal resolution	TBD
S/N ratio	TBD
Interface	
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Analog video output	Mini Jack
Sensor input	x 1
General	
Weight	TBD
Dimensions (ø x H)	1 3/4 x 3 3/4 inches (44 x 93 mm)
Power requirements	PoE
Power consumption	TBD
Operating temperature	32 to 122°F (0 to 50 °C)
Storage temperature	-4 to +140 °F (-20 to +60 °C)
System Requirements	Operating system Windows XP, Windows Vista™, Windows 7 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

The SNC-CH210 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

SYSTEM CONFIGURATIONS

HD monitor

SNC-CH210

Network

SNC-CH210

Recording Server NSR-1000 Series

Recording Software IMZ-NS100 Series

PC

DIMENSIONS

Unit: inches (mm)

3 3/4 (93)

ø 1 3/4 (44)