

SONY

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SNC-CH210

A HD compact multi-codec camera that can fit almost anywhere, yet is bursting with innovative features



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; with 'Stream Squared' technology. This is a function that allows simultaneous streaming of two user-selectable SD resolutions. This means it can stream a wide angle view and a close-up shot at the same time. It is perfect for keeping a close eye on trouble spots and keeping the wider picture in sight.

With a 3 megapixel (2048x1536) Exmor CMOS sensor, three industry-standard codecs and Power over Ethernet (PoE) capability this is a great choice for an unobtrusive, easy to install and powerful network security camera.

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

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

Benefits

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; 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.

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.

Technical Specifications

| General | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension (W x H x D) | 44 x 93 mm (1 3/4 x 3 3/4 inches) |
| Power requirements | PoE |
| Storage Temperature | -20 to +60 °C (-4 to +140 °F) |
| System requirements | "Operating 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" |

| Camera | |
|------------------------------------|-------------------------------------------------|
| Image Device | 1/2.8 type progressive scan "Exmor" CMOS sensor |
| Number of effective pixels (H x V) | 3 Megapixel, (2096 × 1561) (Tentative) |
| 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 |
| Focal length | f=3.3 mm |
| F-number | F2.8 |

| Camera Features | |
|-----------------|----------------------|
| Day/Night *3 | 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 | |
|------------------------------|-----|
| Intelligent motion detection | Yes |
| Tamper Alarm | Yes |

| 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 compliance | Yes |
| Authentication | IEEE802.1x |

| Analog Video Output | |
|---------------------|----------|
| Signal system | NTSC/PAL |

| Interface | |
|---------------------|-------------------------------|
| Ethernet | 10BASE-T / 100BASE-TX (RJ-45) |
| Serial interface | No |
| Card Slots | No |
| Analog Video Output | Mini Jack |
| Sensor Input | x1 |

Accessories

Warranty and Support Agreements



PrimeSupport Plus VS2

2 Year Extension for Video Security