SONY
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SNC-CH240

Full-HD fixed network security camera combines pristine HD images with Sony's unique dynamic range enhancements

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Better pictures mean more incident detection and better evidence, and with Sony's ExmorTM Full-HD (1920x1080) image sensor the SNC-CH240 captures more detail than ever.

This feature-rich Full HD fixed network security camera comes with Sony's image enhancement expertise. It includes View-DR for a very wide dynamic range in difficult lighting conditions, and XDNR for incredibly powerful noise reduction.

The SNC-CH240 supports Power over Ethernet (PoE) for easy installation with only one cable, and it conforms to the Open Network Video Interface Forum (ONVIF) for compatibility with other network video devices – even from other manufacturers

This product comes with the full PrimeSupport package. That's fast, hassle-free repairs, a helpline offering expert technical advice, and a free loan unit while yours is repaired. Plus the peace of mind that Sony is looking after your equipment – and your business.

Features

Full HD 1080p Resolution
Exmor CMOS Sensor
View-DR for an enhanced dynamic range
XDNR for powerful noise reduction
DEPA video analytics
Power Over Ethernet (PoE) capability
CF slot for onboard recording/wireless capability (with Optional SNCA-CFW5 card)
ONVIF (Open Network Video Interface Forum) compliance

Benefits

Full HD (1920x1080) resolution
Detailed Full 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".

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

Triple Codec Network Operation
Three industry-standard codecs for compatibility with the widest possible range of players. The SNC-CH240 can stream in two different formats simultaneously. For example: one codec at a low bit rate for internet use and another at a higher rate for analysis and archiving.

Enhanced Dynamic Range with Sony's View-DR
With Sony's View-DR (Visibility Enhanced Wide Dynamic Range) innovation, you can achieve a high contrast ratio of 125dB. This ensures realistic tonal detail, and state-of-the-art image enhancement with a wide, dynamic range capability.

Powerful noise reduction with Sony's XDNR
XDNR (Excellent Dynamic Noise Reduction) technology virtually eliminates image blur in low-light conditions, enabling users to clearly capture images that have not been easy to portray in the past. It also overcomes the problems associated with many competitor camera models. What's more, when both XDNR and Visibility Enhancer are turned on, the cameras can achieve four times the sensitivity compared to when they are off. This technology is ideal for any outdoor surveillance monitoring, such as in a car park at night.

DEPA Advanced video analytics

DEPA Advanced Intelligent Video and Audio Analytics can analyse images to detect whether pre-selected objects have moved, raising an alarm if an event is detected. Users create a set of rules that determine exactly how and when this happens

Power Over Ethernet (PoE) capability

Supporting Power over Ethernet (PoE), the SNC-CH240 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

CF card slot

Compact Flash card slot for onboard recording or wireless networking (with optional SNCA-CFW5 card)

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

Mass	650g (1lb 7oz)
Dimension (W x H x D)	72 x 63 x 145 mm (2 7/8 x 2 1/2 x 7 7/8 inches)
Power requirements	PoE, AC24V, DC12V
Working Temperature	-10 to +50 °C (14 to 122 °F) (Tentative)
Storage Temperture	-20 to +60 °C (-4 to +140 °F)

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 (3 levels)
Exposure control	Auto, EV Compensation *1, Auto Slow Shutter *2
White balance mode	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens type	CS mount lens
Zoom ratio	Optical 2.1X (x2 Digital Zoom)
Horizontal viewing angle	101.2 to 47.0 degrees
Focal length	f=2.8 to 6.0 mm
F-number	F1.3 (Wide), F1.9 (Tele)
Minimum objects distance	300 mm
Powered Focus	Yes (Easy Focus)
Powered Zoom	No

Camera Features

Day/Night *3	Yes
Wide -D	View-DR (84dB: Theoretical)
Image enhancement	Visibility Enhancer
Noise reduction	XDNR

Image

Codec image size (H x V)	1920 x 1440, 1600 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800,1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480,640 x 480, 640x 368, 384 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG)
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual Streaming
Maximum frame rate	H264: 20fps (1920 x 1440) / 30fps (1920 x 1080), MPEG-4: 15fps (1920 x 1440) / 25 fps (1920 x 1080), JPEG: 10fps (1920 x 1440) / 15fps (1920 x 1080)

Audio

Audio Compression	G.711/G.726

Scene Analytics

Intelligent motion detection	Yes(with built in Post Filter)
Intelligent object dectection	No
Rule filter	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
Wireless network	Yes (with option *4)
Number of clients	10
Authentication	IEE802.1x

Analog Video Output

Signal system	NTSC/PAL
S/N ratio	More than 50dB

Interface

Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Serial interface	No
Card Slots	CF card x1
Analog Video Output	BNC x 1
Sensor Input	x1
Alarm output	x2
External microphone input	Mini-jack (Monaural), MIC IN/LINE IN: 2.5VDC plug-in power

Audio line output	Mini-jack (Monaural), Max output level: 1 Vrms

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
Notes	*1 VE off mode only. *2 View-DR off mode only. *3 Removable IR Cut Filter. *4 With optional SNCA-CFW5. *5 Cold start must be greater than -20 degree