

SNC-DH240

Full HD mini-dome network security camera providing excellent sensitivity and visibility even in challenging lighting environments.



Better pictures mean more incident detection and better evidence, and with Sony's Exmor™ Full-HD (1920x1080) image sensor the SNC-DH240 captures more detail than ever.

This feature-rich Full HD mini-dome 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-DH240 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.

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

Full HD 1080p resolution

Exmor CMOS Sensor

Triple Codec Network Operation

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

Triple Codec Network Operation

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.

View-DR (Visibility Enhanced Wide Dynamic Range) for extra dynamic range in images captured by the camera

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.

XDNR eXcellent Dynamic Noise Reduction to improve pictures in low illumination

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 analytics triggers alarms and alerts based on user-created rules

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-DH180 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	750g (1b 10oz)
Dimension (W x H x D)	140 x 118 mm (5 5/8 x 4 3/4 inches)
Power requirements	PoE, AC24V, DC12V
Working Temperature	-10 to +50 °C (14 to 122 °F) (Tentative)
Storage Temperature	-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 x 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	Vari-focal lens
Zoom ratio	Optical 2.9X (x2 Digital Zoom)
Horizontal viewing angle	88.5 to 32.3 degrees
Focal length	f=3.1 to 8.9 mm
F-number	F1.2 (Wide), F2.1 (Tele)
Minimum objects distance	300 mm
Powered Focus	Yes (Easy Focus)
Powered Zoom	Yes (Easy Zoom)

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, 640 x 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 detection	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	IEEE802.1x

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	No
Analog Video Output	BNC x 1, RCA 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

Supplied Accessories

Installation Manual

Accessories**Warranty and Support Agreements****PrimeSupport Plus VS2**

2 Year Extension for Video Security