

## SNC-DH240

Minidome 1080p/30 fps  
Camera - V Series



### Overview

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 minidome 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.

### Features

#### **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

#### **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-DH240 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.

## Specifications

### Camera

|                               |  |
|-------------------------------|--|
| Image Sensor                  | 1/2.8-type Exmor CMOS  |
| Number of Effective Pixels    | Approx. 3.27 Megapixels  |
| Signal System                 | NTSC color system/PAL color system (switchable)  |
| Sync System                   | Internal synchronization   |
| Minimum Illumination (50 IRE) | Color: 0.40 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Mid, 50 IRE)<br>B/W: 0.25 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Mid, 50 IRE) |
|                               | Color: 0.25 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR  |

|                               |   |
|-------------------------------|---|
| Minimum Illumination (30 IRE) | Mid, 30 IRE)<br>B/W: 0.15 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Mid, 30 IRE)                                |
| Dynamic Range                 | Equivalent to 90 dB by View-DR Technology   |
| S/N Ratio (Gain 0 dB)         | More than 50 dB (AGC 0 dB)  |
| Gain                          | Auto (3 levels)   |
| Shutter Speed                 | 1/1 s to 1/10000 s  |
| Exposure Control              | Exposure compensation, AGC, Shutter speed   |
| White Balance                 | ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual |
| Lens                          | Built-in varifocal lens   |
| Powered Zoom                  | No  |
| Easy Zoom                     | Yes   |
| Zoom Ratio                    | Optical zoom 2.9x<br>Digital zoom 4x<br>Total zoom 11.6x  |
| Powered Focus                 | Yes   |
| Horizontal Viewing Angle      | 88.5° to 32.3°  |
| Vertical Viewing              |   |

|                         |                      |
|-------------------------|----------------------|
| Angle                   | 65.2° to 24.2°       |
| Focal Length            | f = 3.1 mm to 8.9 mm |
| F-Number                | F1.2 to F2.1         |
| Minimum Object Distance | 300 mm               |
| IR Illuminator          | No                   |

## Camera Features

|                    |          |
|--------------------|----------|
| Day/Night          | True D/N |
| Wide-D             | View-DR  |
| Tone Correction    | VE (VE)  |
| Noise Reduction    | XDNR     |
| Image Stabilizer   | No       |
| Vandal Resistant   | No       |
| Ingress Protection | No       |

## Video

|            |   |
|------------|---|
| Resolution | 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 600, 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   |
| Compression Format         | H.264, MPEG-4, JPEG   |
| Maximum Frame Rate         | H264: 20 fps (1920 x 1440)/30 fps (1920 x 1080)<br>MPEG-4: 15 fps (1920 x 1440)/25 fps (1920 x 1080)<br>JPEG: 10 fps (1920 x 1440)/15 fps (1920 x 1080) |
| Multi streaming Capability | Dual streaming*1  |
| Number of Clients          | 10  |

## Intelligent Video/Audio Analytics

|                              |               |
|------------------------------|---------------|
| Analytics Architecture       | DEPA Advanced |
| Intelligent Motion Detection | Yes           |

## Audio

|                    |             |
|--------------------|-------------|
| Compression Format | G.711/G.726 |
|--------------------|-------------|

## System Requirements

|                  |   |
|------------------|---|
| Operating System | Windows XP (32 bit) Professional Edition<br>Windows Vista (32 bit) Ultimate, Business Edition |
|------------------|---|

|             |   |
|-------------|---|
|             | Windows 7 (32/64 bit)<br>Ultimate, Professional Edition   |
| Processor   | Intel Core2 Duo 2.33 GHz or higher  |
| Memory      | 2 GB or more  |
| Web Browser | Microsoft Internet Explorer Ver. 6.0, Ver. 7.0, Ver. 8.0<br>Firefox Ver. 3.5 (plug-in free viewer only)<br>Safari Ver. 4.0 (plug-in free viewer only)<br>Google Chrome Ver.4.0 (plug-in free viewer only) |

## Network

|                                  |   |
|----------------------------------|---|
| Protocols                        | IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), 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                   | IEEE 802.1X   |

## Interface

|                                 |  |
|---------------------------------|--|
| Analog Video Output             | BNC (x1), 1.0 Vp-p, 75 $\Omega$ , unbalance, sync negative 600 TV lines (analog video) |
| Analog Monitor Output for Setup | Phono jack (x1)  |
| Microphone Input                | Mini jack (monaural)   |
| Line Input                      | Mini jack (monaural)   |
| Line Output                     | Mini jack (monaural), Maximum output level: 1 Vrms                                     |
| Network Port                    | 10BASE-T/100BASE-TX (RJ-45)  |
| Alarm Input (Sensor Input)      | x1, make contact, break contact  |
| Alarm Output                    | x2, AC/DC 24 V, 1 A  |
| USB Slots                       | No   |

## General

|                        |  |
|------------------------|--|
| Power Requirements     | IEEE 802.3af compliant (PoE) Class 0, DC 12 V, AC 24 V |
| Power Consumption      | 10.2 W max.  |
| Operating Temperature  | -10°C to +50°C<br>+14°F to +122°F                      |
| Cold Start Temperature | 0°C to +50°C<br>+32°F to +122°F                        |
| Storage                | -20°C to +60°C   |

|                          |  |
|--------------------------|--|
| Temperature              | -4°F to +140°F   |
| Operating Humidity       | 20% to 80%   |
| Storage Humidity         | 20% to 95%   |
| Dimensions (W x H x D)*2 | φ140 x 118 mm<br>φ5 5/8 x 4 3/4 inches   |
| Mass                     | Approx. 750 g<br>Approx. 1 lb 10 oz  |
| Safety Regulations       | JATE Technical standard (LAN)<br>UL2044, IEC60950-1(CB)<br>VCCI (Class A), FCC(Class A),<br>IC (Class A)<br>Emission: EN55022(Class<br>A)+EN50130-4<br>Immunity: EN55022(Class<br>A)+EN55024<br>Emission: AS/NZS<br>CISPR22(Class A)   |
| Supplied Accessories     | CD-ROM (User's Guide,<br>supplied programs) (1)<br>Installation Manual (1set)<br>Bracket (1)<br>Template (1)<br>Wire rope (1)<br>Camera unit mounting screws<br>(x2)<br>Shoulder screw M4 (1)<br>Audio cable (1)<br>I/O cable (1)<br>LAN cable (1)<br>BNC cable (1)<br>Power input cable (1)<br>Warranty booklet (1) |

## Notes

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



### **FWL-65W855C**

65" BRAVIA Professional Full HD Colour LED Display



### **FWL-75W855C**

75" BRAVIA Professional Full HD Colour LED Display



### **FWL-55W805C**

55" BRAVIA Professional Full HD Colour LED Display



### **FWL-40W705C**

40" BRAVIA Professional Full HD Colour LED Display



### **FWL-48W705C**

48" BRAVIA Professional Full HD Colour LED Display



### **UNI-MDPDH120**

Pendant mount for indoor E Series and V Series minidome cameras



### **UNI-UMB1**

Indoor wall mounting bracket for minidome and PTZ cameras

## Gallery

