

## SNC-DH240T

Vandal-resistant Minidome  
1080p/30 fps Camera - V  
Series



### Overview

The SNC-DH240T is a tamper proof Full HD (1080p) minidome network security camera with Electronic Day/Night settings, DEPA Advanced analysis, View DR, Visibility Enhancer, XDNR and is ONVIF compliant. It also supports dual streaming of H.264, MPEG-4 and JPEG at full frame-rate.

Sony's Exmor™ CMOS sensor provides excellent pictures and event detection for effective evidence gathering.

Sony's V Series cameras have outstanding picture quality and come with a powerful feature set.

**\*Product shown with housing/accessory. Housing/accessory not included**

### Features

#### **Full HD 1080p resolution**

Detailed 1080p 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

### **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 happen

### **View-DR (Visibility Enhanced Wide Dynamic Range)**

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.

### **Power Over Ethernet (PoE) capability**

Supporting Power over Ethernet (PoE), the SNC-DH240T 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 progressive scan "Exmor" CMOS sensor
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/XDNR ON-Middle/VE OFF/AGC High/50 IRE) B/W: 0.25 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE)
Minimum Illumination (30 IRE)	Color: 0.25 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Middle, 1/30 s) B/W: 0.15 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Middle, 1/30 s)
Dynamic Range	Equivalent to 90 dB by View-DR Technology
S/N Ratio (Gain 0 dB)	More than 50 dB
Gain	Auto (3 levels)
Shutter Speed	1 s to 1/10000 s
Exposure Control	Auto, EV Compensation*1, Auto Slow Shutter*2

White Balance	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens	Built-in varifocal lens
Powered Zoom	No
Easy Zoom	Yes
Zoom Ratio	Optical zoom 2.9x Digital zoom 4x Total zoom 11.6x
Powered Focus	Yes (Easy Focus)
Horizontal Viewing Angle	88.5° to 32.3°
Focal Length	f =3.1 mm to 8.9 mm
F-Number	F1.2 (Wide), F2.1 (Tele)
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 IK10

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 (H.264, MPEG-4, JPEG)

Compression Format H.264, MPEG-4, JPEG

Maximum Frame Rate H264: 20 fps (1920 x 1440)/30 fps (1920 x 1080)  
MPEG-4: 15 fps (1920 x 1440)/20 fps (1920 x 1080)  
JPEG: 12 fps (1920 x 1440)/16 fps (1920 x 1080)

Multi streaming Capability Dual streaming\*2

Number of Clients 10

## Intelligent Video/Audio Analytics

Analytics

DEPA Advanced

## Architecture

Intelligent Motion Detection	Yes (with built-in Post Filter)
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## Audio

Compression Format	G.711/G.726
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## System Requirements

Operating System	Microsoft Windows XP Windows Vista (32 bit) Windows 7 (32 bit, 64 bit)
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 Firefox Ver. 3.5 (plug-in free viewer only) Safari Ver. 4.0 (plug-in free viewer only) 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, RTP/RTCP, RTSP,
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## SNMP (MIB-2)

Number of IP Address/Mac ADDRESS	1
ONVIF Conformance	Profile S
Wireless Network	No
Authentication	IEEE802.1X

## Interface

Analog Video Output	BNC x1
Analog Monitor Output for Setup	Phono jack x1
Microphone Input	Mini jack (monaural), MIC IN/LINE IN: DC 2.5 V plug-in power
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
Alarm Output	x2
USB Slots	No

General	
Power Requirements	IEEE 802.3af compliant (PoE) Class 0, AC 24 V, DC 12 V
Power Consumption	10.2 W max.
Operating Temperature	-10°C to +50°C +14°F to +122°F
Cold Start Temperature	0°C to +50°C +32°F to +122°F
Storage Temperature	-20°C to +60°C -4°F to +140°F
Operating Humidity	20% to 80%
Storage Humidity	20% to 95%
Dimensions (W x H x D)*4	φ140 mm x 119 mm φ5 5/8 inches x 4 3/4 inches
Mass	Approx. 980 g Approx. 2.16 lb
Safety Regulations	UL2044, FCC Class A Digital Device, IC Class A Digital Device, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, AN/NZS CISPR22
	CD-ROM (User's Guides, SNC Toolbox) (1) Installation Manual (1) Template (1)

Supplied Accessories	Wire rope (1) Bracket (1) LAN cable (1) BNC cable (1) Power input cable (1) I/O cable (1) Audio cable (1) Warranty booklet (1)
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## Notes

*1	VE off mode only.
*2	View-DR off mode only.
*3	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)
*4	The values for dimensions are approximate.

## 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



