

SNC-DH140T

V-Series HD (720p) minidome tamper proof network security camera



The SNC-DH140T is a tamper proof high definition (720p) minidome network security camera with electrical Day/Night settings, Intelligent Motion Detection, DEPA Advanced, View DR 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.

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

HD (720p) resolution

Detailed 720p 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.

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) 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

Power Over Ethernet (PoE) capability

Supporting Power over Ethernet (PoE), the SNC-DH140T 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

Camera	
Image device	1/3 type progressive scan "Exmor" CMOS sensor
Minimum illumination	Color : 0.20 lx, B/W : 0.10 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE[IP])
Number of effective pixels (H x V)	1.4 Megapixel (1329 x 1049)
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	85.4 to 31.2 degrees
Focal length	f=3.1 mm 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 (125 dB: Theoretical)
Image enhancement	Visibility Enhancer
Noise reduction	XDNR

Image	
Codec image size (H x V)	1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 720 x 480, 704 x 576, 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	H.264: 20fps (1280 x 1024) / 30 fps (1280 x 720) MPEG-4: 25fps (1280 x 1024) / 30 fps (1280 x 720) JPEG: 30fps (1280 x 1024) / 30 fps (1280 x 720)
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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 only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
ONVIF conformance	Yes
Wireless network	No
Number of clients	10
Authentication	IEEE802.1X

Analog Video Output	
Signal system	NTSC / PAL
Horizontal resolution	600 TV lines
S/N ratio	More than 50 dB

Interface	
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Serial interface	No
Card slots	No
Analog video output	BNC x 1
Analog monitor output	Phono jack x 1
Sensor input	x 1
Alarm output	x 1
External microphone input	Mini-jack (monaural), MIC IN/LINE IN: 2.5 V DC plug-in power
Audio line output	Mini-jack (monaural), Max output level: 1 Vrms

General	
Mass	980g (2 lb 3 oz)
Dimensions	ø140 x 119 mm (5 5/8 x 4 3/4 inches)
Power requirements	PoE, AC 24 V, DC 12 V
Power consumption	8.0 W max.
Starting temperature	0 to 50 °C (32 to 122°F)
Working temperature	-10 to +50 °C (23 to 122°F)
Storage temperature	-20 to +60 °C (-4 to 140 °F)
Vandal Resistant	IK10
Safety regulation	UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A

System Requirements	
Operating system	Microsoft Windows XP, Windows Vista(32bit), Windows 7(32bit)
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

CD-ROM (User's guides, SNC Toolbox), Installation manual, Template	
Wire rope, Bracket, LAN cable, BNC cable, Power input cable, I/O cable, Audio Cable	
Warranty booklet, M4 shoulder screw, M4 screws (2), Wrench	
*1 VE off mode only. *2 View-DR off mode only. *3 Removable IR Cut Filter. *The SNC-DH140T include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).	

Accessories

Warranty and Support Agreements



PrimeSupport Plus VS2

2 Year Extension for Video Security