

SNC-DH140T

Vandal-resistant Minidome
720p/30 fps Camera - V
Series



Overview

The SNC-DH140T is a tamper proof high definition (720p) minidome network security camera with Electronic 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.

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

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.

Specifications

Camera

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| Image Sensor | 1/3 type progressive scan "Exmor" CMOS sensor |
| Number of Effective Pixels | Approx. 1.4 Megapixels |
| Signal System | NTSC color system/PAL color system (switchable) |
| Sync System | Internal synchronization |
| Minimum Illumination (50 IRE) | Color : 0.20 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE) B/W : 0.10 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE) |
| Minimum Illumination (30 IRE) | Color: 0.10 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Middle, 1/30 s) B/W: 0.05 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Middle, 1/30 s) |

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| Dynamic Range | Equivalent to 130 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 | 85.4° to 31.2° |
| 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

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| 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

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| Resolution | 1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 600, 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) |
| Compression Format | H.264, MPEG-4, JPEG |
| Maximum Frame Rate | H.264: 20 fps (1280 x 1024)/30 fps (1280 x 720) MPEG-4: 25 fps (1280 x 1024)/30 fps (1280 x 720) JPEG: 30 fps (1280 x 1024)/30 fps (1280 x 720) |
| Multi streaming | |

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| Capability | Dual streaming*3 |
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| Number of Clients | 10 |
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Intelligent Video/Audio Analytics

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| Analytics Architecture | DEPA Advanced |
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| Intelligent Motion Detection | Yes (with built-in Post Filter) |
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Audio

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

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| Operating System | Microsoft Windows XP Windows Vista (32 bit) Windows 7 (32 bit, 64 bit) |
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| Processor | Intel Core2 Duo 2 GHz or higher |
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| Memory | 1 GB or more |
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| 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) |
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Network

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| 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 | IEEE802.1X |

Interface

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| Analog Video Output | BNC x1 600 TV lines |
| 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 |

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| Network Port | 10BASE-T/100BASE-TX (RJ-45) |
| Alarm Input (Sensor Input) | x1 |
| Alarm Output | x2 |
| USB Slots | No |

General

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|--------------------------|---|
| Power Requirements | IEEE 802.3af compliant (PoE) Class 0, AC 24 V, DC 12 V |
| Power Consumption | 8.0 W max. |
| Operating Temperature | 0 to +50°C +32°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 |

UL2044, FCC Class A Digital Device, IC Class A Digital Device, IEC60950-1,

Safety Regulations EN55022(A)+EN55024+EN50130-4, VCCI Class A, AN/NZS CISPR22

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| Supplied Accessories | <p>CD-ROM (User's Guides, SNC Toolbox) (1) Installation Manual (1) Template (1) 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) M4 shoulder screw (1) M4 screws (2)</p> |
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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



UNI-UMB1

Indoor wall mounting bracket for minidome and PTZ cameras



YT-ICB140

In-ceiling bracket designed for use with Sony minidome video surveillance cameras

Gallery



