SNC-DH280

Outdoor IR Ruggedized
1080p/30 fps Camera - V
Series

Overview

The SNC-DH280 is an outdoor vandal-resistant high definition (1080p, supporting H.264 at 30fps) 3 Megapixel minidome camera with True Day/Night function, IR Illumination, DEPA Advanced and ONVIF compliance. It supports dual streaming, e-PTZ and triple codec encoding. [PSony's Exmor CMOS sensor provides excellent pictures and event detection for effective evidence gathering.

Sony's V-Series cameras have outstanding picture quality and a range of features at an affordable price.

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

Features

DEPA Advanced
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.

XDNR
XDNR utilizes advanced signal processing to remove

noise and image ghosting, and eliminates the motion blur normally associated with the capture of moving images in low light. Delivering superior image quality in low light, SONY XDNR offers the optimum in noise reduction performance for IP CCTV solutions.

EXMOR® and 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.

Power over Ethernet (PoE) capability
Supporting Power over Ethernet (PoE), the camera 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.

Solid State PTZ
Allows users to electronically pan, tilt, and zoom within the camera's field of view.

Full HD (1920x1080p) 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 artifacts".

Supports multiple industry standard codecs: H264, MPEG-4 and JPEG with dual streaming capability

This multi-codec camera supports three compression formats: JPEG, the best choice of high-quality still images

True Day/Night
Optimises sensitivity in day and night conditions. As night falls, an infra-red filter is automatically removed and the camera switches to monochrome. In this mode, the camera can acquire images extremely low light conditions.

IR Illuminators
Built-in IR (Infrared) illuminators provide assistance to the camera when capturing objects in the dark.

Easy Focus/Easy Zoom
Easy Focus/Easy Zoom simplifies installation by making it easy to set up the focus and zoom settings of the camera.

Built-in heater
Ensures that the camera will operate correctly in cold weather.

Analogue Monitor Output
This allows an analogue video monitor to be connected directly to the camera.

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) B/W: 0 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Mid, 50 IRE)
Minimum Illumination (30 IRE)	Color: 0.25 lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Mid, 30 IRE) B/W: 0. lx (F1.2, View-DR OFF, VE OFF, AGC High, XDNR Mid, 30 IRE)
Dynamic Range	Equivalent 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 Digital zoom 4x 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	Yes (Wave Length: 850 nm [Typical], IR LED: 21 pieces)
IR Working Distance	30 m (50 IRE)

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	IP66

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) MPEG-4: 16 fps (1920 x 1440) JPEG: 12 fps (1920 x 1440)
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 Windows Vista (32 bit) Ultimate, Business Edition Windows 7 (32/64 bit) 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 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, 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 Ω, 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, 24 V AC/DC, 1 A
USB Slots	No

General

Power Requirements	IEEE 802.3af compliant (PoE) Class 0, DC 12 V, AC 24 V
Power Consumption	29 W max.
Operating Temperature	-30℃ to +50℃ (at AC 24 V or DC 12 V) -22°F to +122°F (at AC 24 V or DC 12 V)
Cold Start Temperature	-20 ℃ to +50℃ (at AC 24 V or DC 12 V) -4°F to +122°F (at AC 24 V or DC 12 V)
Storage Temperature	-20℃ to +60℃ -4°F to +140°F
Operating Humidity	20% to 80%
Storage Humidity	20% to 95%
Dimensions (W x H x D)*2	φ166 x 119 mm φ6 5/8 x 4 3/4 inches
Mass	Approx. 1380 g Approx. 3 lb 0.68 oz
Safety Regulations	JATE Technical standard (LAN) UL2044, IEC60950-1(CB) VCCI (Class A), FCC(Class A), IC (Class A) Emission: EN55022(Class A)+EN50130-4 Immunity: EN55022(Class A)+EN55024 Emission: AS/NZS CISPR22(Class A)

Supplied Accessories	CD-ROM (User's Guide, supplied programs) (1) Installation Manual (1set) Bracket (1) Template (1) Wire rope (1) Camera unit mounting screws (x4) Screw + M4 x8 (1) Audio cable (1) I/O cable (1) LAN cable (1) BNC cable (1) Power input cable (1) Wrench (1) Warranty booklet (1)

Notes

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

Related products

FWL-65W855C	FWL-75W855C	FWL-55W805C	FWL-40W705C

| 65" BRAVIA Professional Full HD Colour LED Display | 75" BRAVIA Professional Full HD Colour LED Display | 55" BRAVIA Professional Full HD Colour LED Display | 40" BRAVIA Professional Full HD Colour LED Display |

FWL-48W705C

48" BRAVIA Professional Full HD Colour LED Display

UNI-MDPDH180

Pendant Mount Adaptor for outdoor Minidome Cameras

Gallery