

SNC-DH110

Compact 720p/30 fps Camera - X Series



Overview

The SNC-DH110 is an indoor high definition (720p, supporting H.264 at 30fps) 1.3 Megapixel (1280 x 960 maximum resolution) compact minidome camera with Electronic Day/Night function, DEPA and ONVIF compliance. It supports dual streaming and triple codec encoding.

Sony's X-Series cameras have outstanding picture quality and a compact, affordable, stylish design.

Features

Compact and Stylish design

A compact, stylish and discreet design that compliments any surveillance environment.

DEPA

The SNC-DH110 offers intelligent video analytics, based on the Sony DEPA platform. DEPA is a combined function of the intelligence built in to the camera and rules/filters that determine which images should be recorded or when an alarm should be triggered.

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.

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".

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

Stream Squared Function

An incredibly useful function that allows simultaneous streaming of two 4:3 aspect ratio videos in user-selectable SD resolutions. You can select the entire image or a portion of the image from the original view and resize to SD resolution. With this feature the SNC-DH110 can replace two SD cameras installed in the same line of view.

Electronic Day/Night

Ensures that the camera is operating with the optimum sensitivity

for both day and night conditions.

Analogue Monitor Output

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

Specifications

| Camera | |
|-------------------------------|--|
| Image Sensor | 1/3.8-type CMOS sensor |
| Number of Effective Pixels | Approx. 1.3 Megapixels |
| Signal System | NTSC/PAL (switchable) |
| Sync System | Internal synchronization |
| Minimum Illumination (50 IRE) | Color: 5.0 lx (F2.8, AGC (Max.), 1/30 s) |
| Minimum Illumination (30 IRE) | Color: 2.7 lx (F2.8, AGC (Max.), 1/30 s) |
| Gain | Auto |
| Shutter Speed | 1/2 s to 1/10,000 s |
| Exposure Control | Auto, EV Compensation, Auto Slow Shutter |
| White Balance | Auto(ATW, ATW-PRO) , Preset, One-push WB, Manual |

| | |
|--------------------------|----------------------------------|
| Lens | Fixed lens |
| Zoom Ratio | Digital zoom 3x Total zoom 3x |
| Horizontal Viewing Angle | 80.7° |
| Vertical Viewing Angle | 63.3° |
| Viewing Tilt Angle | 88.7° |
| Focal Length | f = 2.34 mm |
| F-Number | F2.8 |
| Minimum Object Distance | 500 mm |

Camera Features

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|--------------------|---|
| Day/Night | Electronic D/N |
| e-Flip | YES |
| Noise Reduction | NR |
| Superimpose Number | 2 independent positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independent position for a logo mark |

| | |
|---------------------------|--|
| Superimpose Language | English |
| Menu Language | English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Korean, Portuguese |
| Smartphone viewer | Yes |
| Video | |
| Resolution | 1280x960, 1280x720, 1024x768, 1024x576, 768x576, 720x576, 704x576, 800x480, 720x480, 640x480, 640x368, 384x288, 352x288, 320x240, 320x192, 176x144 |
| Compression Format | H.264, MPEG-4, JPEG |
| Maximum Frame Rate | H.264: 30 fps (1280x960) MPEG-4: 30 fps (1280x960) JPEG: 30 fps (1280x960) |
| Range of Bit Rate Setting | 64K to 8 Mbps |
| Solid PTZ | Yes |
| Adaptive Rate Control | H.264 |

| | |
|----------------------------|-------------------|
| Bandwidth Control | JPEG |
| Multi streaming Capability | Dual streaming *1 |
| Number of Clients | 5 |

Intelligent Video/Audio Analytics

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|------------------------------|------|
| Analytics Architecture | DEPA |
| Intelligent Motion Detection | Yes |
| Tamper Alarm | Yes |

System Requirements

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

SNC toolbox Yes

SNC toolbox mobile Yes

Network

Protocols IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)

Number of IP Address/Mac ADDRESS 1

QoS DSCP

Multicast Streaming Support Yes

ONVIF Conformance Profile S

Authentication IEEE802.1X

Interface

Analog Monitor AV MiniJack

Output for Setup

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|----------------------------|-----------------------------|
| Network Port | 10BASE-T/100BASE-TX (RJ-45) |
| Alarm Input (Sensor Input) | x1 |

General

| | |
|-----------------------|--|
| Power Requirements | IEEE 802.3af compliant (PoE) Class 1 |
| Power Consumption | 2.4 W |
| Operating Temperature | 0 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 *2 | φ106 x 50.5 mm φ4 1/4 x 2 inches |
| Mass | 160 g (without cable) |
| External Material | Lens Cover: PC+ABS Top cover: AL Die-cast Top cover ring: PC+ABS Lower case: PC+ABS |

External Color

Top cover: Munsell 1.5B 1.97/0.34
for Black model
Top cover: Munsell 8.5GY 8.2/0.2
for White Model
Lens Cover: Munsell 5.2PB 1.9/0.2
Top cover ring: Munsell 5.2PB
1.9/0.2
Lower case: Munsell 5.2PB 1.9/0.2

Safety Regulations

JATE Technical Standard (LAN)
UL2044, IEC60950-1 (CB)
VCCI Class B, FCC Class B, IC Class
B
Emission: EN55022 (Class B) +
EN50130-4
Immunity: EN55022 (Class B) +
EN55024
Emission: AS/NZS CISPR22 (Class
B)

Supplied Accessories

Installation Manual (1)
B&P warranty booklet (1)
Sensor input cable (1)
Template (1)

Notes

Dual streaming (Any combination
with JPEG/MPEG-4/H.264,

*1 including multiple streams of the same format)

*2 The values for dimensions are approximate.

Gallery





