

SNC-ZB550

Box-type 720p/30 fps camera capable of transmitting both analog video and HD IP images over your existing analog coax infrastructure



Overview

The SNC-ZB550 Network Fixed camera features IPELA Hybrid - Sony's IP over-coax technology - allowing customers to migrate easily to HD IP video surveillance systems, utilising existing analog infrastructure, such as cables, power supplies, switchers, controllers and monitors, thus minimising investment in new infrastructure. IPELA Hybrid offers a cost effective and environmentally friendly installation.

The SNC-ZB550 offers Dual Streaming, which can feature any combination of three industry-standard compression formats - JPEG, MPEG-4 and H.264 - meaning that the camera uses the best compression format for every kind of data. The camera also offers a CS mount lens, 1280x1024 maximum HD resolution, as well as the 1/3 type "Exmor" CMOS sensor for high image quality and low noise.

Features

Dual streaming with any combination of industry-standard codecs
The SNC-ZB550 supports dual streaming with any combination of three industry-standard compression formats - JPEG, the best choice for 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. This means that the camera can use the best compression format for every kind of data.

Exmor® CMOS® Sensor yields improved image acquisition
 Derived from Sony's broadcast product range, the "Exmor" CMOS sensor is one of the highest quality available, meaning high resolution images with low noise characteristics for improved image acquisition.

Minimum Illumination enables surveillance even in poor lighting
 The SNC-ZB550 can operate at 0.50 lx for colour and 0.30 lx for black and white, delivering surveillance performance even under very dark conditions.

Day/Night function for optimised images in all light conditions
 The Day/Night function switches the camera between Day (colour) and Night (B/W) modes, so that in Night mode the camera becomes sensitive to near-IR light and can reproduce images not visible to the naked eye.

Specifications

Camera	
Image Sensor	1/3-type "Exmor" CMOS sensor
Number of Effective Pixels	Approx. 1.4 Megapixels (1329 x 1049)
Signal System	NTSC color system / PAL color system (switchable)
Sync System	Internal synchronization

Minimum Illumination (50 IRE)	Color: 0.50 lx (F1.2, shutter 1/30 s, AGC 42 dB [IP]) B/W: 0.30 lx (F1.2, shutter 1/30 s, AGC 42 dB [IP])
Minimum Illumination (30 IRE)	Color: 0.30 lx (F1.2, AGC 42 dB, 1/30 s) B/W: 0.20 lx (F1.2, AGC 42 dB, 1/30 s)
Dynamic Range	More than 60 dB
Gain	Auto (set Max limit value)
Shutter Speed	1/1 s to 1/10000 s
Exposure Control	Backlight compensation, 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	CS mount varifocal lens
Powered Zoom	No
Zoom Ratio	Optical zoom 2.9x
Powered Focus	Yes
Horizontal Viewing Angle	96.5° to 33.9°
Focal Length	f = 2.8 mm to 8.0 mm

F-Number	F1.2 (Wide) to F1.9 (Tele)
----------	----------------------------

Minimum Object Distance	300 mm
-------------------------	--------

IR Illuminator	No
----------------	----

Camera Features

Day/Night	True D/N
-----------	----------

Wide-D	No
--------	----

Tone Correction	No
-----------------	----

Noise Reduction	NR
-----------------	----

Vandal Resistant	No
------------------	----

Ingress Protection	No
--------------------	----

Video

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
------------	--

Compression Format	H.264, MPEG-4, JPEG
--------------------	---------------------

Maximum Frame Rate	H.264: 30 fps (1280 x 720) MPEG-4: 30 fps (1280 x 720) JPEG: 30 fps (1280 x 720)
--------------------	--

Multi Streaming Capability	Dual streaming*1
----------------------------	------------------

Number of Clients	5
-------------------	---

Intelligent Video/Audio Analytics

Analytics Architecture	DEPA
------------------------	------

Intelligent Motion Detection	Yes
------------------------------	-----

System Requirements

Operating System	Microsoft Windows XP Professional (32 bit) 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, Ver. 9.0 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 only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
-----------	---

ONVIF Conformance	Profile S
-------------------	-----------

Wireless Network	No
------------------	----

Authentication	IEEE 802.1X
----------------	-------------

Interface

Analog Monitor Output for Setup	No
---------------------------------	----

Analog Video Output/SLOC Port	BNC x1 (Video out: 1.0 Vp-p, 75 Ω, unbalanced, sync negative)
-------------------------------	---

Microphone Input	No
------------------	----

Line Output	No
-------------	----

Network Port	10BASE-T/100BASE-TX (RJ-45)
--------------	-----------------------------

Alarm Input (Sensor Input)	x1, make contact, break contact
----------------------------	---------------------------------

Alarm Output	x1, AC/DC 24 V, 1 A (mechanical relay outputs electrically isolated from the camera)
--------------	--

Card Slots No

General

Power Requirements AC 24 V, DC 12 V

Power Consumption 6.0 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) *2 72 x 63 x 145 mm (without lens)
2 7/8 x 2 5/8 x 5 3/4 inches (without lens)
72 x 63 x 197 mm (with lens)
2 7/8 x 2 5/8 x 7 7/8 inches (with lens)

Mass Approx. 550 g (with lens)
Approx. 1 lb 3.4 oz (with lens)

JATE technical standard (LAN),
UL2044, IEC60950-1 (CB),
VCCI (Class A), FCC (Class A),
IC (Class A)
Emission: EN55022 (Class A)

Safety Regulations + EN50130-4
 Immunity: EN55022 (Class A)
 + EN55024
 Emission: AS/NZS CISPR22
 (Class A)

Supplied Accessories
 CD-ROM (User's Guide, and supplied programs) (1)
 Wire rope (1)
 Screw M4 (1)
 DC 12 V/AC 24 V connector (1)
 Installation Manual (1)

Notes

*1 Dual streaming is not available when an analog video signal is output from the SLOC port.

*2 The values for dimensions are approximate.

Related products



SNCA-ZX104

Hybrid camera receiver allows seamless integration of analogue and IP



SNCA-CEILING

Mounting coupling for pendant applications



SNCA-POLE30

Mounting pipe for pendant mount applications



SNCA-WMFI10PC

Wall/Ceiling camera bracket



SNCA- WM40

Heavy duty outdoor wall mount for the SNC-RS84P, SNC-RS86P and SNC-RH164 rapid dome cameras



UNI-WMB3

Wall mount bracket for PTZ dome mount security camera housings



UNI- XBS1/T

Silver bracket for SNC-CH110S and SNC-CH210S



UNI- OPL7C3

Outdoor Pressurized dome camera housing



SNCA- HRX550/EXT12V

Robust, IP66 rated dome housing for Sony PTZ cameras

Gallery

