

SNC-ZM551

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



Overview

With a vandal-resistant rating of IK10, the SNC-ZM551 Network Minidome 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-ZM551 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 built-in variable focus 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-ZM551 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-ZM551 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 Megapixel (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	Built-in varifocal lens
Powered Zoom	No
Easy Zoom	Yes
Zoom Ratio	Optical zoom 2.9x
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) to F2.1 (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	IK10
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	H.264: 30 fps (1280 x 720)

Rate	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 (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	Phono jack x 1 (1.0 Vp-p, 75 Ω, unbalanced, sync negative)
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)	No
Alarm Output	No
Card Slots	No

General

Power Requirements	AC 24 V, DC 12 V
Power Consumption	7.0 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	φ140 mm x 119 mm φ5 5/8 inches x 4 3/4 inches
Mass	Approx. 965 g, not including the cables and bracket Approx. .2 lb 2.0 oz, not including the cables and bracket
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, and supplied programs) (1)
 Bracket (1)
 Template (1)
 Wire rope (1)
 Camera unit mounting screws (2)
 Shoulder screw M4 (1)
 Wrench (1)
 I/O cable (1)
 BNC cable (1)
 DC 12 V/AC 24 V power input cable (1)
 Installation Manual (1 set)

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



UNI-UMB1

Indoor wall mounting bracket for minidome and

seamless
integration of
analogue and IP

PTZ cameras

Gallery

