

# SNC-ZP550

720p/30 fps PTZ camera capable of transmitting both analogue video and HD IP images over your existing analogue coax infrastructure



## Overview

The SNC-ZP550 Network Pan-Tilt-Zoom camera features IPELA Hybrid – Sony's IP over-coax technology – allowing customers to migrate easily to HD IP video surveillance systems, utilising existing analogue 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-ZP550 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 an auto-focus zoom lens, 340 degrees rotation, 1280x720 maximum HD resolution, as well as the 1/4 type "Exmor" CMOS sensor for high image quality and low noise.

## Features

### **Dual streaming with any combination of industry-standard codecs**

The SNC-ZP550 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.

### **Powerful 28x optical zoom capability for enhanced tracking**

The SNC-ZP550's 28x optical zoom delivers greater flexibility in finding and tracking targets.

### **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

1/4-type "Exmor" CMOS sensor

Number of Effective Pixels	Approx. 1.43 Megapixel
Signal System	NTSC color system / PAL color system (switchable)
Sync System	Internal synchronization
Minimum Illumination (50 IRE)	Color: 1.00 lx (F1.35, shutter 1/30 s, AGC ON [IP]) B/W: 0.10 lx (F1.35, shutter 1/30 s, AGC ON [IP])
Minimum Illumination (30 IRE)	Color: 0.7 lx (F1.35, AGC ON, 1/30 s) B/W: 0.07 lx (F1.35, AGC ON, 1/30 s)
Dynamic Range	86 dB (theoretical) by DynaView Technology
Gain	Auto/Manual (-3 dB to 28 dB)
Shutter Speed	1/1 s to 1/10000 s
Exposure Control	Full auto, Shutter priority, Iris priority, Manual
White Balance	Auto, ATW, Advanced Auto, Indoor, Outdoor, One-push, Manual, Sodium vapour lamp
Lens	Auto-focus zoom lens
Powered Zoom	Yes
Zoom Ratio	Optical zoom 28x Digital zoom 12x Total zoom 336x
Powered Focus	Yes
Horizontal Viewing Angle	55.9° to 2.1°
Focal Length	f = 3.5 mm to 98 mm
F-Number	F1.35 (Wide) to F3.7 (Tele)
Minimum Object Distance	10 mm (Wide) to 1500 mm (Tele)
Pan/Tilt/Rotation Angle (Manual)	340° / 105°
Pan Speed	300°/s (max.)
Tilt Speed	300°/s (max.)
Number of Preset Positions	256
Number of Tour Programs	5
IR Illuminator	No
<b>Camera Features</b>	
Day/Night	True D/N
Wide-D	DynaView

Tone Correction	No
Noise Reduction	NR
Vandal Resistant	No
Ingress Protection	No

### Video

Resolution	1280 x 720, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 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 (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/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
ONVIF Conformance	Profile S
Wireless Network	No

Authentication	IEEE 802.1X
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## Interface

Analogue Monitor Output for Setup	No
Analogue Video Output/SLOC Port	BNC x1 (Video out: 1.0 Vp-p, 75 Ω, unbalanced, sync negative)
Microphone Input	Mini jack (monaural)
Line Output	Mini jack (monaural), Max output level: 1 Vrms
Network Port	10BASE-T/100BASE-TX (RJ-45)
Alarm Input (Sensor Input)	x2, make contact, break contact
Alarm Output	x1, AC/DC 24 V, 1 A (mechanical relay outputs electrically isolated from the camera)
Card Slots	SD /SDHC card x1

## General

Power Requirements	IEEE 802.3at compliant Class 4(PoE+, LAN mode only)*2, AC 24 V
Power Consumption	25.0 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) *3	φ147.4 mm x 190.9 mm φ5 7/8 inches x 7 5/8 inches
Mass	Approx. 1.7 kg (including ceiling bracket) Approx. 3 lb 12 oz (including ceiling 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)
	CD-ROM (User's Guide, and supplied programs) (1)

## Supplied Accessories

- Installation Manual (1 set)
- Ceiling bracket (1)
- Screws (2)
- Template (1)
- 24V AC connector (1)
- I/O connector (1)

## Notes

\*1

Dual streaming is not available when an analogue video signal is output from the SLOC port.

\*2

PoE+ is available when the camera is connected to HPoE-compatible equipment via an Ethernet cable.

\*3

The values for dimensions are approximate.

## Related products



### FWL-40W705C

40" BRAVIA Professional Full HD Colour LED Display



### SNCA-HRX550EXT/W

Outdoor wireless dome camera housing



### FWL-55W805C

55" BRAVIA Professional Full HD Colour LED Display



### FWL-48W705C

48" BRAVIA Professional Full HD Colour LED Display



### SNCA-CEILING

Mounting coupling for pendant applications



### SNCA-ZX104

Hybrid camera receiver allows seamless integration of analogue and IP



### FWL-65W855C

65" BRAVIA Professional Full HD Colour LED Display



### UNI-UMB1

Indoor wall mounting bracket for minidome and PTZ cameras



### UNI-WMB3

Wall mount bracket for PTZ dome mount security camera housings



### UNI-OPL7C3

Outdoor Pressurized dome camera housing



### SNCA-WM40

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



### FWL-75W855C

75" BRAVIA Professional Full HD Colour LED Display



### SNCA-POLE30

Mounting pipe for pendant mount applications



## Gallery

