

SNC-ZM550

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



Overview

The SNC-ZM550 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-ZM550 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-ZM550 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-ZM550 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

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| 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 |

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| 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° |

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| 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

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| Day/Night | True D/N |
| Wide-D | No |
| Tone Correction | No |
| Noise Reduction | NR |
| Vandal Resistant | No |
| Ingress Protection | No |

Video

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| 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)

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| Multi Streaming Capability*1 | Dual streaming*1 |
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| Number of Clients | 5 |
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Intelligent Video/Audio Analytics

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| Analytics Architecture | DEPA |
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| Intelligent Motion Detection | Yes |
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System Requirements

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| Operating System | Microsoft Windows XP (32 bit) Windows Vista (32 bit) Windows 7 (32 bit/64 bit) |
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| Processor | Intel Core2 Duo 2 GHz or higher |
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| Memory | 1 GB or more |
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| 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) |
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Network

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| 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

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| 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

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| 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 118 mm φ5 5/8 inches x 4 3/4 inches |
| Mass | Approx. 715 g, not including the cables and bracket Approx. 1 lb 9 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)
 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 seamless integration of analogue and IP



UNI-UMB1

Indoor wall mounting bracket for minidome and PTZ cameras

Gallery

