

SNC-ZM551

Hybrid Vandal Resistant Mini Dome HD Camera

SONY
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Vandal-resistant 720p HD Hybrid Mini Dome Camera

- IPELA HYBRID™ — Sony IP and analog-over-coax technology*1
- Excellent 720p HD picture quality, supporting H.264 at 30 fps (IP)
- 1.3 megapixel (1280 x 1024) maximum resolution (IP)
- Three codecs (H.264, MPEG-4, JPEG) and dual streaming capability*4
- IK10-rated vandal-resistant feature



HD **1.3M**
MEGAPixels

Key Features

- Simultaneous transmission of IP HD video and analog SD video*2
 - Maximum cable length of 1,000 feet (300 m) with an RG-59 coaxial cable*3
 - The Exmor™ CMOS sensor delivers high quality images with low noise
- Exmor™**
- IK10-rated vandal-resistant feature to protect the camera from destructive behaviors. An IK10 rated camera can withstand the impact of up to an 11 lb. weight dropped on it from a height of approximately 15 1/2 inches
 - Easy Zoom / Easy Focus - allows changing the field of view and focus remotely or locally
 - True Day/Night function to switch to Day or Night mode depending on the light level

- DEPA™ Intelligent Video analytics enables cameras to send not only video images, but related metadata, including object data (size and position) to the DEPA-enabled recorder. Since part of the image processing is done on the camera side, the load to the recorder can be reduced enabling camera expansion



- ONVIF (Open Network Video Interface Forum) Version 1.02 software that ensures greater interoperability and more flexibility in building multiple-vendor systems



- Smartphone viewer for accessing the camera from a smartphone

*1 Sony IP and analog-over-coax technology is developed based on Intersil's SLOC™ (Security Link Over Coax) technology.

*2 For output of IP and analog signals from its SLOC port, the camera must be connected to a SLOC-compatible device via a coaxial cable. The output analog image may not display correctly, depending on the video format and image size settings. For details please contact your nearest Sony office.

*3 Cable length varies according to cable grade and quality.

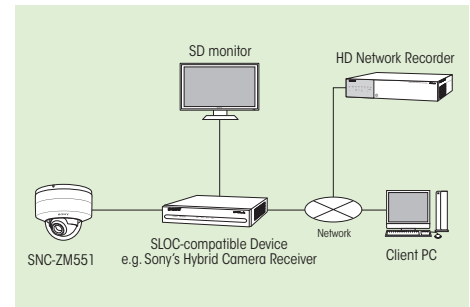
*4 Dual streaming is only available when SLOC is OFF.

SPECIFICATIONS

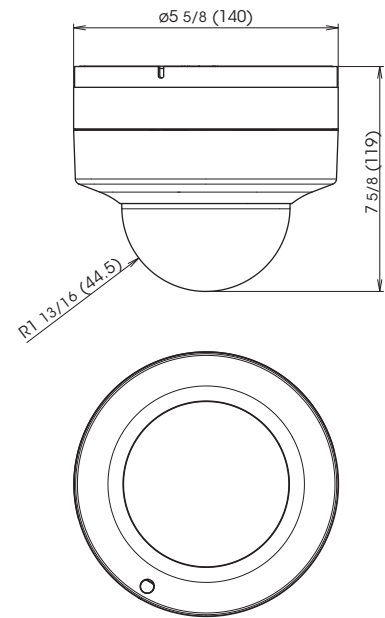
SNC-ZM551	
Camera	
Image sensor	1/3-type Exmor CMOS sensor
Number of effective pixels	Approx. 1.4 Megapixel (1329 x 1049)
Signal system	NTSC color system/PAL color system (switchable)
Minimum illumination	Color: 0.50 lx, B/W: 0.30 lx (F1.2, shutter 1/30 s., AGC 42 dB, 50 IRE [IPT])
Gain	Auto (set Max limit value)
Shutter speed	1/1 s to 1/10,000 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 vari-focal lens
Zoom ratio	Optical 2.9x
Horizontal viewing angle	85.4° to 31.2°
Focal length	f = 3.1 mm to 8.9 mm
F-number	F1.2 (Wide), F2.1 (Tele)
Minimum object distance	300 mm
Pan angle	Rotation and pan range, +/- 180°
Tilt angle	Tilt range +/- 70°
Camera Features	
Day/Night	Yes, true Day/Night
Noise reduction	Yes
Image	
Codec image size (H x V)	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
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming*1 (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format)
Maximum frame rate	30 fps (H.264, MPEG-4, JPEG) @ 1280 x 720
Composite video output	Yes, when SLOC switch is OFF
Scene Analytics	
Intelligent motion detection	Yes
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 software	Yes (version 1.02)
Number of clients	5
Authentication	IEEE802.1X
Interface	
Analog monitor output	RCA jack x 1 (1.0 Vp-p, 75 ohms, unbalanced, sync negative)
Video out (SLOC OFF)	BNC x1 (Video out: 1.0 Vp-p, 75 ohms, unbalanced, sync negative)
Network port	10BASE-T/100BASE-TX (RJ-45)
Sensor input	x1, make contact, break contact
Alarm output	x1, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera)
Microphone input	No
Card slots	No
System Requirements	
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)
General	
Power requirements	AC 24 V, DC 12 V
Power consumption	7.0 W max.
Operating temperature	14 °F to 122 °F (-10 °C to +50 °C)
Starting temperature	32 °F to 122 °F (0 °F to +50 °C)
Storage temperature	-4 °F to +140 °F (-20 °C to +60 °C)
Operating humidity	20% to 80%
Storage humidity	20% to 95%
Vandal resistant	IK10
Dimensions (W x H x D)	ø5 5/8 inches x 4 3/4 inches (140 mm x 119 mm)
Weight	Approx. 2 lb 2.0 oz (965 g), 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 guides, 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)

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

SYSTEM CONFIGURATION



DIMENSIONS



Unit: inches (mm)