SNC-DH160

Network HD Mini Dome Camera — E series

SONY
make.believe

IP66 Vandal-Resistant 720p HD Security Camera with IR Illuminators

- Excellent 720p HD picture quality, supporting H.264 at 30 fps

- 1.3 Megapixel (1280 x 1024) maximum resolution

- Three codecs (H.264, MPEG-4, JPEG) and dual streaming capability

- The Exmor™ CMOS sensor incorporated to deliver high image quality and low noise

HD 1.3M

KEY FEATURES

- Built-in IR (Infrared) illuminators to assist capturing objects in the dark even under 0 lx, up to 49 feet (15 m) away.
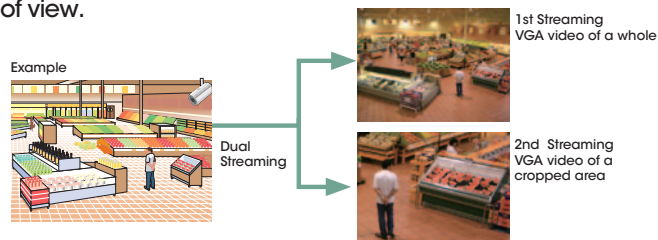
OFF   ON

Actual images of one of Sony's HD cameras with IR illuminators.

- IP66-rated waterproof and dust-tight feature for outdoor surveillance, or indoor where water ingress may pose an issue.

- IK10-rated vandal-resistant feature to protect the camera from destructive behaviors.

- Easy Focus/Easy Zoom functions for easy installation.

- Optical Day/Night function to switch to Day or Night mode depending on the light level.

- Recording software (RealShot™ Manager Lite) is bundled to start recording and monitoring instantly.

- Stream Squared function allows simultaneous streaming of two 4:3 aspect ratio videos in user selectable SD resolutions. User can select the entire image or a portion of the image from the original field of view and resize to SD resolution or lower for each stream. With this feature, the SNC-DH160 can replace two SD cameras installed in the same line of view.

Example

Dual Streaming

1st Streaming
VGA video of a whole

2nd Streaming
VGA video of a cropped area

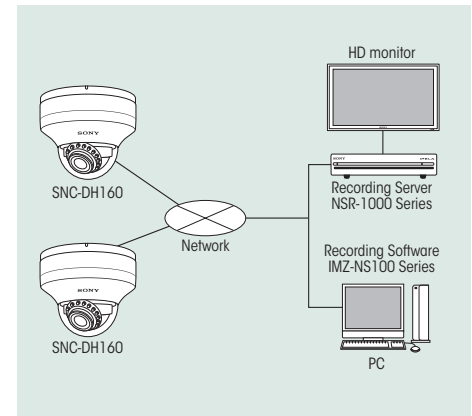- Intelligent Motion Detection that supports DEPA™ analytics.

DEPA

- Analog monitor output (phono jack).

- Powered by PoE (Power over Ethernet) for simple installation.

- Equipped with a built-in heater for continued camera operation in cold weather.

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

ONVIF

IPELA™

SPECIFICATIONS

SNC-DH160	
Camera	
Image device	1/3 type progressive scan Exmor CMOS sensor
Minimum illumination	0.50lx (Color), 0 lx (BW) (IR ON)
	(F1.2/AGC 42dB/50IRE [IP])
Number of effective pixels	1.4 Megapixel
(H x V)	(1329 x 1049)
Electronic shutter speed	1 s to 1/10000 s
Gain control	Auto
Exposure control	Auto, EV Compensation, Auto Slow Shutter
White balance mode	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens type	Vari-focal lens
Zoom ratio	Optical 2.9X
Horizontal viewing angle	85.4 to 31.2 degrees
Focal length	f=3.1 to 8.9 mm
F-number	F1.2 (Wide), F2.1 (Tele)
Minimum object distance	300 mm
Powered focus	Yes (Easy Focus)
Powered zoom	Yes (Easy Zoom)
IR illuminators	Yes
	(Wave Length: 850nm [Typical], IR LED: 21pcs)
Camera Features	
Day/Night *[1]	Yes
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 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 (H.264, MPEG-4, JPEG)
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming
Maximum frame rate	H.264: 20fps (1280 x 1024) / 30 fps (1280 x 720)
	MPEG-4: 25fps (1280 x 1024) / 30 fps (1280 x 720)
	JPEG: 30fps (1280 x 1024) / 30 fps (1280 x 720)
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
Number of clients	5
Authentication	IEEE802.1X
Analog Monitor Output	
Signal system	NTSC / PAL
Interface	
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Analog monitor output	Phono jack x 1
Sensor input	x 1, make contact, break contact
Alarm output	x 1, 24V AC/DC, 1A
	(Mechanical relay outputs electrically isolated from the camera)
General	
Weight	2 lb 15 oz (1320 g)
Dimensions (ø x H)	ø 6 5/8 x 4 3/4 inches (166 x 119 mm)
Power requirements	PoE
Power consumption	12.9 W max
Starting temperature	-4°F to +122°F (-20°C to +50°C)
Working temperature	-22°F to +122°F (-30°C to +50°C)
Storage temperature	-4°F to +140°F (-20°C to +60°C)
Ingress protection	IP66
Vandal resistant	IK10
Safety regulation	UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
System Requirements	
Operating system	Microsoft Windows XP™, Windows Vista™ (32bit), Windows® 7 (32bit)
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)
Supplied Accessories	
	CD-ROM (User's Guides, SNC Toolbox), Installation Manual, Bracket, Template, Wire rope,
	Camera unit mounting screws (4), Shoulder screw M4, I/O cable, LAN cable, B&P Warranty Booklet

SYSTEM CONFIGURATIONS

DIMENSIONS

Unit: inches (mm)