SNC-CH220
Network HD Camera — E Series

SONY
make.believe

High-Quality 1080p HD Security Camera

- Excellent 1080p HD picture quality, supporting H.264 at 30 fps

- 3 Megapixel (1920 x 1440) 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

Full HD 1080   3M MEGAPIXEL

KEY FEATURES

- Easy Focus function 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-CH220 can replace two SD cameras installed in the same line of view.

- Intelligent Motion Detection that supports DEPA™ analytics.

DEPA

- Equipped with a phono jack to instantly monitor the video while installing the camera.

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

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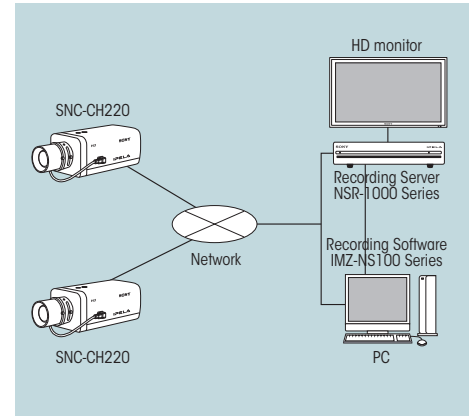
ONVIF

Example

Dual Streaming

1st Streaming
VGA video of a whole

2nd Streaming
VGA video of a cropped area

IPELA™

SPECIFICATIONS

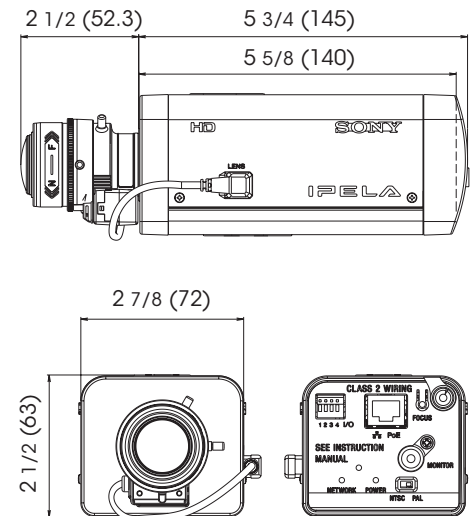| SNC-CH220	
Camera	
Image device	1/2.8 type progressive scan Exmor CMOS sensor
Minimum illumination	0.70lx (Color), 0.45lx (BW) (F1.2/ AGC 42dB/ 50IRE [IP])
Number of effective pixels (H x V)	Approx. 3.27Megapixel (2096×1561)
Electronic shutter speed	1 s to 1/10000 s
Gain control	Auto
Exposure control	Auto, EV Compensation, Auto Slow Shutter
White balance mode	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens type	CS Mount Vari-focal lens
Zoom ratio	Optical 2.1X
Horizontal viewing angle	101.2 degrees to 47.0 degrees
Focal length	f=2.8 mm to 6.0 mm
F-number	F1.3 (Wide), F1.9 (Tele)
Minimum object distance	300 mm
Powered focus	Yes (Easy Focus)
Camera Features	
Day/Night *1	Yes
Noise reduction	Yes
Image	
Codec image size (H x V)	1920 x 1440, 1600 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800, 1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640x 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	H264: 20fps (1920 x 1440) / 30fps (1920 x 1080) MPEG-4: 15fps (1920 x 1440) / 20 fps (1920 x 1080) JPEG: 10fps (1920 x 1440) / 15fps (1920 x 1080)
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 Video Output	
Signal system	NTSC / PAL
Interface	
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Analog monitor output	Phono jack x 1 (1.0 Vp-p, 75 ohms, unbalanced, sync negative)
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	1 lb 3 oz (550 g) with lens
Dimensions	2 7/8 x 2 1/2 x 7 3/4 inches (72 x 63 x 197.3 mm)
Power requirements	PoE (IEEE802.3af compliant)
Power consumption	5.0 W Max.
Starting temperature	32°F to 122°F (0°C to 50°C)
Working temperature	14°F to 122°F (-10°C to +50°C)
Storage temperature	-4°F to +140°F (-20°C to +60°C)
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 (Users guides, and Supplied programs), Wire rope, Screw M4, Installation Manual

*1 Removable IR Cut Filter.

* The SNC-CH220 includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

SYSTEM CONFIGURATION

DIMENSIONS
Unit: inches (mm)