

Vision with Precision for HD Security

Sony introduces the powerful addition to its network HD camera lineup, the SNC-CH140.

This dual-stream network HD camera, supporting H.264, MPEG-4, and JPEG compression formats, deliver excellent picture quality in HD 720p resolution at 30 frames per second (fps).

Incorporating the new "Exmor™" CMOS image sensor from Sony, which is specially designed for surveillance applications, this camera features state-of-the-art image-enhancement technology, such as View-DR which realizes an extremely wide dynamic range.

As a result, this camera provides not only high-quality HD images but also HD images with excellent sensitivity and visibility even in challenging lighting environments. The SNC-CH140 Fixed Network Camera is the ideal choice for the most demanding surveillance monitoring applications.



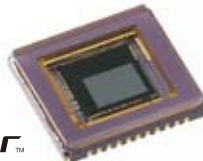
HD

Fixed Network HD Camera
SNC-CH140

FEATURES

- Superior HD*1 picture quality, supporting H.264 at 30 fps
- Three codecs (H.264, MPEG-4, JPEG) and dual streaming capability
- The new "Exmor" CMOS sensor realizes high image quality and low noise for surveillance

HD



Exmor™

- Images with very high visibility with View-DR technology - the combination of Sony's cutting-edge technologies:
 - Full-capture Wide-D technology - all of the electrons converted from the captured light are fully used
 - High-speed "Exmor" CMOS sensor
 - Visibility enhancer technology

View-DR



OFF



ON

(Actual images)

- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination



OFF



ON

(Actual images)

- Easy Focus function
- DEPA Advanced Intelligent Video and Audio Analytics trigger an alarm, based on user-defined rules
 - Intelligent Motion Detection with virtual borderline function
 - Tamper Alarm



- Power over Ethernet (PoE) capability
- CF slot for on-board recording/wireless capability
- ONVIF conformance (Open Network Video Interface Forum)



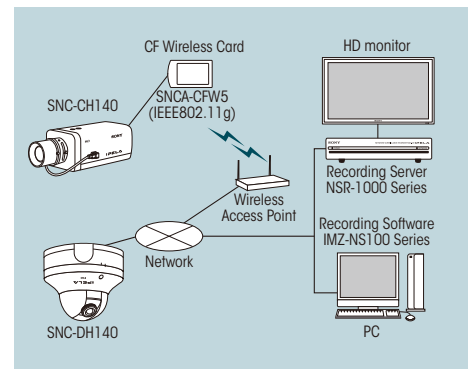
*1 1280 x 720

SPECIFICATIONS

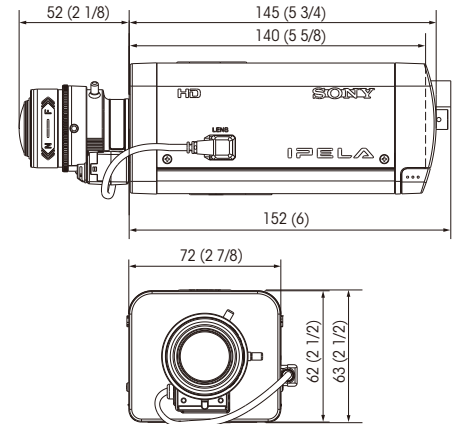
SNC-CH140	
Camera	
Image device	1/3-type progressive scan "Exmor" CMOS sensor
Minimum illumination	Color : 0.20 lx, B/W : 0.10 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE(IP))
Number of effective pixels (H x V)	Approx. 1.4 Megapixel
Electronic shutter speed	1s to 1/10000s
Auto gain control	Max. gain setting LOW, MID, HIGH
Exposure control	Auto, EV Compensation*, Auto Slow Shutter*
White balance mode	Auto (ATW, ATW-Pro), Preset, One-push WB, Manual
Lens type	CS Mount lens
Zoom ratio	Approx. 2.9X
Horizontal viewing angle	33.9 to 96.5 degrees
Focal length	f=2.8 to 8.0 mm
F-number	F1.2 (wide), F1.9 (tele)
Powered Focus	Yes (Easy Focus)
Powered Zoom	No
Camera Features	
Day/Night*3	Yes
Wide-D	View-DR*4 (125 dB: Theoretical)
Image enhancement	Visibility Enhancer
Noise reduction	XDNR
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, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192
Video compression format	H.264, MPEG-4, JPEG
Maximum frame rate	H.264/MPEG-4/JPEG: 30 fps (1280 x 720)
Audio	
Audio compression	G.711/G.726
Scene Analytics	
Intelligent motion detection	Yes (with built-in Post Filter)
Intelligent object detection	No
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	Yes
Wireless network	Yes (with option*)
Number of clients	10
Authentication	IEEE802.1X
Analog Video Output	
Signal system	NTSC/PAL
Horizontal resolution	600 TVL
S/N ratio	More than 50 dB
Interface	
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Serial interface	No
Card slots	CF card x1
Analog video output	Composite video (1Vp-p)
Sensor input	x 1
Alarm output	x 2
External microphone input	Mini-jack (monaural), MIC IN/LINE IN: 2.5 V DC plug-in power
Audio line output	Mini-jack (monaural), Max output level: 1 Vrms
General	
Mass	Approx. 600 g (1 lb 2 oz)
Dimensions (W x H x D)	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches)
Power requirements	PoE, AC 24 V, DC 12 V
Power consumption	9.0 W max.
Operating temperature	-10 to +50 °C*6 (-14 to 122 °F)
Storage temperature	-20 to +60 °C (-4 to 140 °F)
System Requirements	
Operating system	Windows XP, Windows Vista
Processor	Intel Core2 Duo 2 GHz or higher
Memory	1 GB or more
Web browser	Microsoft Internet Explorer Ver6.0, Ver7.0
Supplied Accessories	
	CD-ROM (User's guides, SNC Toolbox), Installation manual, Wire rope, Warranty booklet

*1 Visibility Enhancer off mode only *2 View-DR off mode only *3 Removable IR Cut Filter *4 View-DR technology is a combination of Sony's full-capture Wide-D technology, the high-speed "Exmor" CMOS sensor, and Visibility Enhancer. *5 With optional SNCA-CFW5 *6 Cold start temperature must be greater than 0°C.

SYSTEM CONFIGURATIONS

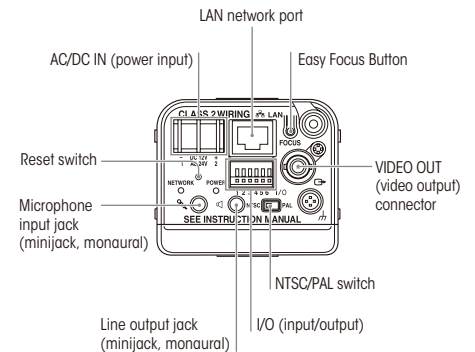


DIMENSIONS



Unit: mm (inches)

CONNECTORS



* The SNC-CH140 include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).

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