SNC-CH140
Fixed Network HD Camera

SONY
make.believe

Vision with Precision for HD Security

Sony introduces a 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, and delivers 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, the SNC-CH140 features state-of-the-art image-enhancement technology, such as View-DR™ which delivers 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 an ideal choice for most demanding surveillance monitoring applications.
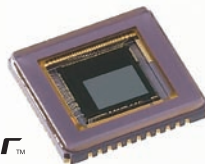
HD

FEATURES

- Superb HD[*1] picture quality, supporting H.264 at 30 fps **HD**

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

- The new Exmor CMOS sensor delivers high image quality and low noise for surveillance

  Exmor™

- View-DR technology - Sony's innovative Wide Dynamic Range technology helps to capture objects clearly and adaptively even under harsh backlit or highly lit conditions.

  View-DR
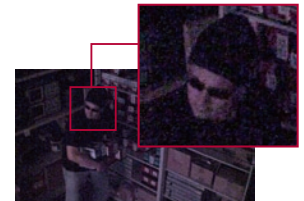
  OFF

  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

  DEPA Advanced

- Power over Ethernet (PoE) capability

- CompactFlash® slot for on-board recording/wireless capability

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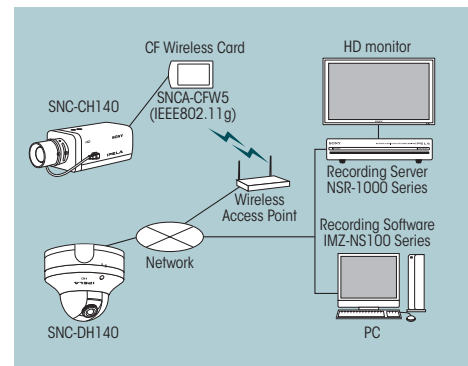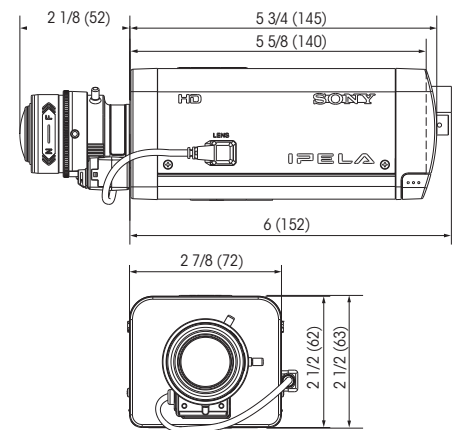
  ONVIF

IPELA™

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*[1], Auto Slow Shutter*[2]
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 technology (130dB)
Image enhancement	Visibility Enhancer
Noise reduction	XDNR technology
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*[5])
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	
Weight	Approx. 1 lb 2 oz (600 g)
Dimensions (W x H x D)	2 7/8 x 2 1/2 x 7 7/8 inches (72 x 63 x 197 mm)
Power requirements	PoE, AC 24 V, DC 12 V
Power consumption	9.0 W max.
Operating temperature	-14 to 122 °F*[6] (-10 to +50 °C)
Storage temperature	-4 to 140 °F (-20 to +60 °C)
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® Ver 6.0, Ver 7.0
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.
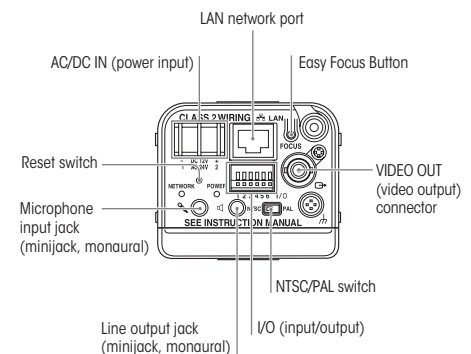
SYSTEM CONFIGURATIONS

DIMENSIONS

Unit: inches (mm)

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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