SONY

Capture Critical Security Incidents in Clear and Bright HD Images

The SNC-RH124 and SNC-RH164 are network HD rapid dome cameras, supporting H.264, MPEG-4, and JPEG compression formats, that deliver excellent picture quality at HD resolution (1280 x 720, 30 fps) in 16:9 aspect ratio. With a total tilt range of 210° and a 360° endless high-speed panning capability, they can cover a wide monitoring area. Incorporating state-of-the-art image-enhancement technologies in a compact body, they allow users to capture clear and bright images in challenging environments.

These industry-leading new HD cameras open up a whole new world of video security applications, such as border/airport/port surveillance, town monitoring, and transportation.

SNC-RH164

SNC-RH124

HD

Network Rapid Dome Cameras
SNC-RH124
SNC-RH164

FEATURES

■ **Excellent HD picture quality at 30 fps**

SD

HD

HD

(Actual images)

■ **Visibility Enhancer for sharper, clearer images and higher level of visibility**

OFF

ON

(Actual images)

■ **XDNR (eXcellent Dynamic Noise Reduction) for clear images without blur under low illumination.**

OFF

ON

(Actual images)

■ **Three codecs (H.264/MPEG-4/JPEG) and dual streaming capability**

■ **DEPA Advanced – Intelligent Video and Audio Analytics – trigger an alarm based on user defined rules**
 • Intelligent Motion Detection
 • Tamper Alarm
 • Advanced Audio Detection*[1]

DEPA Advanced

■ **Superior audio functions**
 • Voice alert
 • Ambient sound filter
 • Dynamic range compressor*[1]
 • Echo cancellation

■ **Above-the-horizon tilt - 15°tilt-up, total tilt range of 210°**

■ **High-speed 360° endless panning**

■ **Quick-release mechanism**

■ **hPoE support - compliant with IEEE802.3*[2] (SNC-RH124)**

■ **Local storage/wireless capability**

■ **Support for IPv6**

■ **ONVIF conformance**

Onvif

■ **Designed for outdoor monitoring (SNC-RH164)**
 • IP66 rating
 • Impact-resistant polycarbonate lower dome cover
 • Integrated sunshade and ventilation mechanism
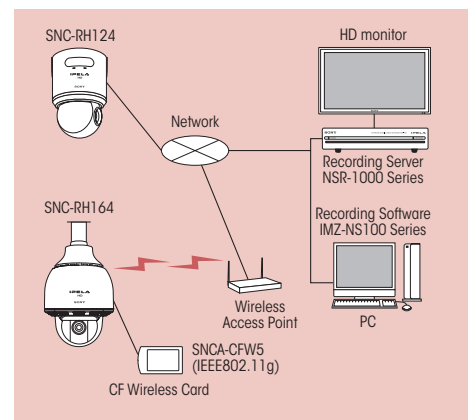
*1 Available with version 1.1 or later
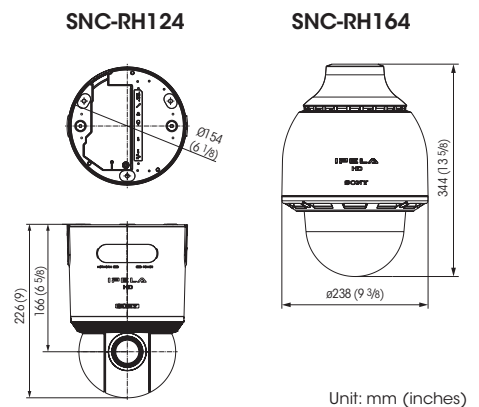*2 Available with version 1.2 or later

SPECIFICATIONS

	SNC-RH124	SNC-RH164
Camera		
Image device	1/3 HD CMOS	
Minimum illumination	Day : 1.9 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP/Analog) Night : 0.17 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP/Analog)	Day : 2.1 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP/Analog) Night : 0.19 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP/Analog)
Number of effective pixels (H x V)	Approx. 2 Megapixel	
Electronic shutter speed	1/2 to 1/10,000 s	
Auto gain control	Auto/Manual (-3 to +18 dB)	
Exposure control	Auto, Full auto, Shutter-priority, Iris-priority, Manual, EV compensation, Backlight compensation	
White balance mode	Auto, Indoor, Outdoor, One-push WB, Manual	
Lens type	Auto-focus zoom lens	
Zoom ratio	10x	
Horizontal viewing angle	5.4 to 50 degrees	
Focal length	f=5.1 to 51mm	
F-number	F1.8 (wide), F2.1 (tele)	
Minimum object distance	10 mm (wide) to 800 mm (tele)	
Pan angle	360 degrees endless rotation	
Pan speed	400 degrees/s (max.)	
Tilt angle	210 degrees (with e-flip)	
Tilt speed	400 degrees/s (max.)	
Preset position	256 position	
Tour	5 preset tours*, 4 shadow tours *16 presets per one preset tour.	
Camera Features		
Day/Night *1	Yes	
Wide-D	No	
Image enhancement	Visibility Enhancer	
Noise reduction	XDNR	
Image		
Codec image size (H x V)	1280x720, 1024x576, 800x480, 768x576, 640x480, 640x368, 384x288, 320x240, 320x192	
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	
Advanced audio detection	Yes*2	
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 Optional*3)	
Number of clients	10	
Authentication	IEEE802.1X	
Analog video output		
Signal system	NTSC/PAL	
Horizontal resolution	480 TVL	
S/N ratio	more than 50 dB	
Interface		
Ethernet	10BASE-T/100BASE-TX (RJ-45)	
Serial interface	RS-232C, RS-422/RS-485 (PELCO D protocol)	
Card slots	CF card x1	
Analog video output	Composite video (1Vp-p)	
Sensor input	x 4	
Alarm output	x 2	
External microphone input	Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45VDC plug-in power	
Audio line output	Mini-jack (Monaural), Max output level: 1 Vrms	
General		
Mass	Approx. 2.0 kg (4 lb 6 oz)	Approx. 4.3 kg (9 lb 8 oz)
Dimensions (ø x H)	154 x 226 mm (6 1/8 x 9 inches)	238 x 344 mm (9 3/8 x 13 5/8 inches)
Power requirements	hPoE*4, AC24V, DC12V	AC24V
Power consumption	25 W max.	80 W max.
Operating temperature	0 to 50 °C	-40 to +50 °C
Storage temperature	-20 to +60 °C	
System requirements		
Operating system	Windows XP, Windows Vista	
Processor	CPU: Intel Core2 Duo 2GHz or higher	
Memory	1GB or more	
Web browser	Microsoft Internet Explorer Ver6.0, Ver7.0	
Supplied accessories		
	Base unit, Mounting bracket, Screws, Cables (Power input, BNC, I/O, Serial), Installation manual, CD-ROM (User's guide, SNC toolbox), Mounting template, Wire rope	Top sunshade, Rotate-and-lock coupling, Waterproof covers, Bolts, Installation manual, CD-ROM (User's guide, SNC toolbox), Wire fixing belt, Cables

*1 Removable IR Cut Filter   *2 Available with software version 1.1 or later   *3 With optional SNCA-CFW5
*4 Available with software version 1.2 or later
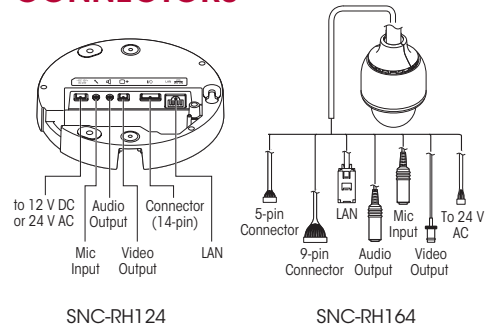
SYSTEM CONFIGURATIONS

DIMENSIONS

SNC-RH124

SNC-RH164

Unit: mm (inches)

CONNECTORS

SNC-RH124   SNC-RH164

* SNC-RH124 and SNC-RH164 include software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)

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