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 stateof-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.



HD

Network Rapid Dome Cameras SNC-RH124

SNC-RH164

FEATURES

Excellent HD picture quality at 30 fps



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





(Actual images)

(Actual images)

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





OFF

(Actual images)

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

- DEPA Advanced Intelligent Video and Audio Analytics - triager an alarm based on user defined rules
 - Intelligent Motion Detection
 - Tamper Alarm
 - Advanced Audio Detection*1
- 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
- **)**NVIF
- 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

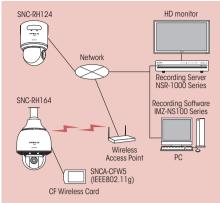


SPECIFICATIONS

	SNC-RH124	SNC-RH164	
Camera mage device	1/3 HD CMOS		
Minimum illumination	Day : 1.9 Ix (XDNR ON VE ON Slow Shutter OFF	Day : 2.1 Ix (XDNR ON VE ON Slow Shutter OFF	
in intern murminunon	50 IRE IP/Analog)	50 IRE IP/Analog)	
	Night : 0.17 lx (XDNR ON VE ON Slow Shutter OFF	Night : 0.19 lx (XDNR ON VE ON Slow Shutter OFF	
	50 IRE IP/Analog)	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		
ens 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)		
	360 degrees endless rotation		
Pan angle			
Pan speed	400 degrees/s (max.)		
filt angle	210 degrees (with e-flip)		
ilt speed	400 degrees/s (max.)		
Preset position	256 position		
lour	5 preset tours*, 4 shadow tours *16 presets per one pre	eset tour.	
Camera Features			
Day/Night *1	Yes		
Wide-D	No		
mage enhancement	Visibility Enhancer		
Voise reduction	XDNR		
mage			
Codec image size (H x V)	1280x720, 1024x576, 800x480, 768x576, 640x480, 6	540x368, 384x288, 320x240, 320x192	
/ideo 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	0.711/0.720		
ntelligent motion detection	Yes (with built-in Post Filter)		
	· · · · · · · · · · · · · · · · · · ·		
ntelligent object detection	No Ver*2		
Advanced audio detection	Yes*2		
Network			
Protocols		ent/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			
	10		
Authentication Analog video output Signal system	10		
Authentication Analog video output Signal system Horizontal resolution	10 IEEE802.1X NTSC/PAL 480 TVL		
Authentication Analog video output Signal system Horizontal resolution	10 IEEE802.1X NTSC/PAL		
Authentication Analog video output	10 IEEE802.1X NTSC/PAL 480 TVL		
Authentication Analog video output Signal system Horizontal resolution S/N ratio Interface	10 IEEE802.1X NTSC/PAL 480 TVL		
Authentication Analog video output Signal system Horizontal resolution Si Nratio Interface Ethernet	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45)		
Authentication Analog video output Signal system Jorizontal resolution SM ratio Interface Eithernet Serial interface	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB		
Authentication Analog video output Signal system dorizontal resolution S/N ratio nterface Ethernet Serial Interface Card slots	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1		
Authentication Analog video output Signal system Jorizontal resolution S/N ratio Interface Serial interface 2ard slots Analog video output	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p)		
Authentication Analog video output Signal system Iorizontal resolution N/ ratio Interface Chernet Serial interface Card slots Analog video output Sensor input	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4		
Authentication Analog video output Signal system Jorizontal resolution SiN ratio Interface Sinternet Sard slots Analog video output Varm output	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF cord x1 Composite video (1Vp-p) x 4 x 2	//// plug in power	
Authentication Analog video output Signal system Orizontal resolution S/N ratio Interface Ethernet Serial Interface Card slots Analog video output Sensor input Marm output External microphone input	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (R,I-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45 [°]	/DC plug-in power	
Authentication Analog video output Signal system Forizontal resolution N/ ratio Interface Chernet Serial interface Card slots Analog video output Sensor input Varm output External microphone input Audio line output	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF cord x1 Composite video (1Vp-p) x 4 x 2	VDC plug-in power	
Authentication Analog video output Signal system Varizontal resolution SiN ratio Interface Chernet Card slots Analog video output Sensor input Narm output External microphone input General	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms		
Analog video output Signal system Orizontal resolution S/N ratio nterface Sithernet Serial Interface Card slots Sandog video output Sensor input Narm output External microphone input vudio line output Seneral Gass	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (R,I-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45 [°]	/DC plug-in power Approx. 4.3 kg (9 lb 8 oz)	
Analog video output Signal system Orizontal resolution S/N ratio Interface Sithernet Serial Interface Card slots Analog video output Seriar input Morr output External microphone input vudio line output General Ass Dimensions (ø x H)	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45 Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches)	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 ³ /s x 13 ⁵ /s inches)	
Analog video output Signal system Sorizontal resolution Nr ratio Interface Serial interface 2ard slots unalog video output Seriar Sitos unalog video output Seriar Sitos Seriar Sitos Marria Control Seriar Sitos Seriar Sitos Seriar Sitos Seriar Sitos Seriar Sitos Seriar Sitos Seriar Sitos Si	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-323C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE *4, AC24V, DC12V	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V	
Analog video output Signal system Signal system Sorizontal resolution S/N ratio nierface tithernet Serial Interface 2ard slots analog video output Sensor input Varm output Varm output Sensor input Varm output Sensor input Mass Dimensions (ø x H) Power requirements Power consumption	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE*4, AC24V, DC12V 25 W max.	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Analog video output Signal system Signal system Signal resolution Sin resolution Sin ratio nierface thernet Serial Interface 2ard slots analog video output Sensor input Varm output Varm output Sensor input Varm output Sensor input Mass Dimensions (# x H) Power requirements Tower cosumption	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-323C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE *4, AC24V, DC12V	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V	
Authentication Analog video output Signal system Orizontal resolution S/N ratio Interface Eithernet Serial Interface Card slots Analog video output Sensor input Marm output External microphone input Audio line output General Mass Dimensions (ø x H) Power consumption Operating temperature	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE*4, AC24V, DC12V 25 W max.	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Analog video output Analog video output Signal system Signal system Signal system Signal system Analog video output Serial interface Sard slots unalog video output Sensor input Varm output Sensor input Varm output Seneral Dimensions (ø x H) Power requirements Power consumption Diperating temperature Storage temperature	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (R,I-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45 Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE ⁻⁴ , AC24V, DC12V 25 W max. 0 lo 50 °C	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Authentication Analog video output Signal system Garizontal resolution SiN ratio Interface Chernet Serial interface Card slots Analog video output Sensor input Narm output External microphone input Audio line output General Mass Dimensions (ø x H) Power requirements Power consumption Depending temperature Storage temperature System requirements	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) PhpC*4, AC24V, DC12V 25 W mox. 0 to 50 °C -20 to +60 °C	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Authentication Analog video output Signal system Orizontal resolution SAN ratio Interface Card slots Analog video output Sensor input Varm output Varm output Varm output Ceneral Oeneral Oever requirements Power consumption Operating temperature System requirements Operating system	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE*4, AC24V, DC12V 25 W max. 0 lo 50 °C -20 to +60 °C Windows XP, Windows Vista	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Authentication Analog video output Signal system Forizontal resolution Interface Central Interface Card slots Analog video output Sensor input Valor output Ceneral Valor incorphone input Valor incorphone input Valor incorphone (# K H) Power requirements Power consumption Depending temperature Storage temperature Storage temperature System requirements Depending system Processor	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-2320, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x2 Mini-jack (Monaural), MiC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE*4, AC24V, DC12V 25 W max. 0 lo 50 °C -20 to +60 °C Windows XP, Windows Vista CPU: Intel Core2 Duo 2GHz or higher	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Authentication Analog video output Signal system Harizontal resolution SAN ratio Interface Ethernet Serial interface Card slots Analog video output Sensor input Alarm output External microphone input Audio line output General Mass Dimensions (ø x H) Dower requirements Power consumption Diperating temperature Storage temperature System requirements Processor Memory	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (R,I-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Authentication Analog video output Signal system Varizontal resolution S/N ratio Interface Ethernet Serial interface Card slots Analog video output Sensor input Alarm output External microphone input Audio line output General Ower requirements Power consumption Operating temperature Storage temperature Storage temperature Spystem requirements Deprating system Processor Wemory Neb browser	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-2320, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x2 Mini-jack (Monaural), MiC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/8 x 9 inches) hPoE*4, AC24V, DC12V 25 W max. 0 lo 50 °C -20 to +60 °C Windows XP, Windows Vista CPU: Intel Core2 Duo 2GHz or higher	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 3/s x 13 5/s inches) AC24V 80 W max.	
Authentication Analog video output Signal system Harizontal resolution SAN ratio Interface Ethernet Serial interface Card slots Analog video output Sensor input Alarm output External microphone input Audio line output General Mass Dimensions (ø x H) Dower requirements Power consumption Diperating temperature Storage temperature System requirements Processor Memory	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (RJ-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45 Mini-jack (Monaural), Max output level: 1 Vrms Approx. 2.0 kg (4 lb 6 oz) 154 x 226 mm (6 1/6 x 9 inches) hPoE ⁻⁴ , AC24V, DC12V 25 W max. 0 lo 50 °C -20 to +60 °C Windows XP.Windows Vista CPU: Intel Core2 Duo 2GHz or higher 1GB or more Microsoft Internet Explorer Ver6.0, Ver7.0	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 ³ /s x 13 ⁵ /s inches) AC24V 80 W mox. -40 to +50 °C	
Authentication Analog video output Signal system Varizontal resolution S/N ratio Interface Ethernet Serial interface Card slots Analog video output Sensor input Alarm output External microphone input Audio line output General Ower requirements Power consumption Operating temperature Storage temperature Storage temperature Spystem requirements Deprating system Processor Wemory Neb browser	10 IEEE802.1X NTSC/PAL 480 TVL more than 50 dB 10BASE-T/100BASE-TX (R,I-45) RS-232C, RS-422/RS-485 (PELCO D protocol) CF card x1 Composite video (1Vp-p) x 4 x 2 Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45' Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2	Approx. 4.3 kg (9 lb 8 oz) 238 x 344 mm (9 ¾ x 13 ⅛ inches) AC24V 80 W max. -40 to +50 °C	

*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



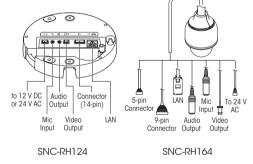


SNC-RH164



Unit: mm (inches)

CONNECTORS



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

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