SONY
make.believe

New Rapid Dome Cameras from Sony

Sony is pleased to introduce its new rapid dome cameras, the SNC-RS44 and SNC-RS46, which support H.264, MPEG-4, and JPEG compression formats. With a powerful streaming capability of 30 frames per second (fps) in D1 resolution, combined with newly developed image-enhancement technologies, these cameras dramatically enhance usability in a wide variety of lighting environments and across a broad range of applications. Plus, a total 210° tilt range and 360° endless high-speed pan capabilities allow users to view images above the horizon. This provides great installation flexibility for a number of different applications and locations.

With a host of new features and excellent performance, the SNC-RS44 and SNC-RS46 are the perfect choice, whatever your specific needs.

SNC-RS44N
SNC-RS46N

Network Rapid Dome Cameras

SNC-RS44N
SNC-RS46N

FEATURES

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

OFF   ON
                  (Actual images)

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

OFF   ON
                  (Actual images)

■ **Wide-D technology to handle various lighting conditions in a scene**

Normal Shutter Speed

High Shutter Speed

With Wide-D Technology
                  (Simulated images)

■ **Powerful and versatile zoom capability**
  • 36x optical and total zoom ratio of 432x with 12x digital zoom (SNC-RS46)
  • 18x optical and total zoom ratio of 216x with 12x digital zoom (SNC-RS44)

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

■ **DEPA™ Advanced – Intelligent Video and Audio Analytics – trigger an alarm based on user-defined rules**
  • Intelligent Motion Detection with virtual border line function
  • Tamper Alarm
  • Advanced Audio Detection[1]

DEPA
Advanced

■ **Superb 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]**

■ **Local storage/wireless capability**

■ **Support for IPv6**

■ **ONVIF™ Software**

ONVIF

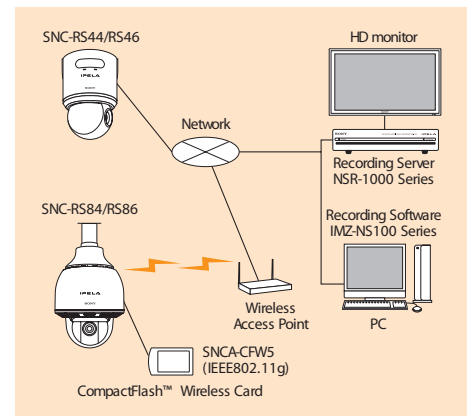*1 Available with version 1.1 or later
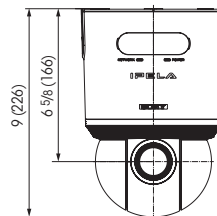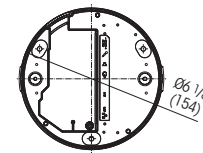*2 Available with version 1.2 or later

SPECIFICATIONS

	SNC-RS44N	SNC-RS46N
Camera		
Image device	1/4-type CCD with Exwave HAD technology	
Minimum illumination	Day : 0.4 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP) 0.7 lx (Slow Shutter OFF 50 IRE Analog Video Output) Night : 0.08 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP) 0.15 lx (Slow Shutter OFF 50 IRE Analog Video Output)	Day : 0.7 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP) 1.4 lx (Slow Shutter OFF 50 IRE Analog Video Output) Night : 0.08 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP) 0.15 lx (Slow Shutter OFF 50 IRE Analog Video Output)
Number of effective pixels (H x V)	380,000 (768 x 494)	
Electronic shutter speed	1 to 1/10,000 s	
Auto gain control	Auto/Manual (-3 to +28 dB)	
Exposure control	Auto, Full auto, Shutter-priority, Iris-priority, Manual, EV compensation, Backlight compensation	
White balance mode	Auto, Indoor, Outdoor, One-push WB, ATW, Manual	
Lens type	Auto-focus zoom lens	
Zoom ratio	18x	36x
Horizontal viewing angle	2.8 to 48.0 degrees	1.7 to 57.8 degrees
Focal length	f=4.1 to 73.8 mm	f=3.4 to 122.4 mm
F-number	F1.4 (wide), F3.0 (tele)	F1.6 (wide), F4.5 (tele)
Minimum object distance	11 1/2 inches (290 mm) to 31 1/2 inches (800 mm) (tele)	12 5/8 inches (320 mm) to 59 1/8 inches (1500 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	Yes	
Image enhancement	Visibility Enhancer	
Noise reduction	XDNR	
Image		
Codec image size (H x V)	720 x 480, 640 x 480 (VGA), 384 x 288, 320 x 240 (QVGA)	
Video compression format	H.264, MPEG-4, JPEG	
Maximum frame rate	H.264/MPEG-4/JPEG: 30 fps (720 x 480)	
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 software	Yes	
Wireless network	Yes (with optional)*3	
Number of clients	10	
Authentication	IEEE802.1X	
Analog Video Output		
Signal system	NTSC	
Horizontal resolution	530 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		
Weight	4 lb 6 oz (2.0 kg)	
Dimensions (ø x H)	6 1/8 x 9 inches (154 x 226 mm)	
Power requirements	hPoE*4, AC 24 V, DC 12 V	
Power consumption	23 W max.	
Operating temperature	32 to 122 °F (0 to 50 °C)	
Storage temperature	-4 to 140 °F (-20 to +60 °C)	
System Requirements		
Operating system	Windows XP®, Windows Vista®	
Processor	CPU: Pentium4® 3 GHz, Intel Core2 Duo 2 GHz or higher	
Memory	1 GB or more	
Web browser	Microsoft Internet Explorer® Ver6.0 or, 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	

*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
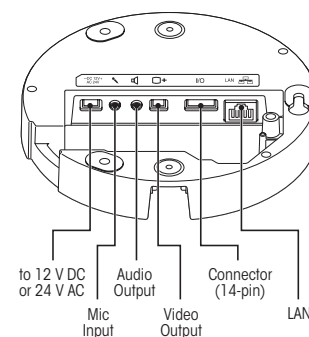
SYSTEM CONFIGURATIONS

SNC-RS44/RS46
HD monitor
Network
Recording Server NSR-1000 Series
SNC-RS84/RS86
Recording Software IMZ-NS100 Series
Wireless Access Point
PC
SNCA-CFW5 (IEEE802.11g)
CompactFlash™ Wireless Card

DIMENSIONS

ø6 1/8 (154)
9 (226)
6 5/8 (166)

Unit: inches (mm)

CONNECTORS

to 12 V DC or 24 V AC
Audio Output
Connector (14-pin)
Mic Input
Video Output
LAN

click: sony.com/security

S-IP2058   (MK10638V1)