



Press Release

Sony Presents World's First High-Definition PTZ Speed Dome Network Security Cameras

Latest additions to the SNC-RH series set new heights for the industry using innovative H.264 video compression technology



SNC-RH124

Hong Kong, September 25, 2009 – Sony Corporation of Hong Kong Limited today set a new standard for the video security applications with the launch of its latest add-ons to the SNC-RH series – the industry's very first high-definition (HD) pan-tilt-zoom (PTZ) speed dome network security cameras. The new series has for the very first time, been created with 10x optical zoom resulting in increased clarity and visibility as well as the ability to pan 360 degrees while capturing and streaming HD video using the H.264 video compression technology at up to 30 frames per second.

These new models come with the Visibility Enhancer technology that optimizes the visibility of a scene and improves the camera's performance in challenging lighting conditions, such as high-contrast situations with harsh backlit environments where the brightness in the foreground and background vary greatly.

For users who need to capture moving images in low-light conditions, both the SNC-RH124 (indoor version) and SNC-RH164 (outdoor version) PTZ cameras are equipped with the XDNR™ (eXcellent Dynamic Noise Reduction) technology that virtually minimizes image blur

during low-light video capture. This technology is ideal for any outdoor surveillance monitoring, such as in a car park at night.

Incorporating the DEPA™ (Distributed Enhanced Processing Architecture) Advanced feature, both cameras offer intelligent video and audio analytics. Users can improve the security system's overall efficiency by setting appropriate and effective criteria for triggering an alarm system. Besides, the new speed dome cameras are equipped with a total tilt range of 210 degrees and 360-degree endless high-speed panning capability, as fast as 400 degrees per second. The cameras are able to digitally zoom quicker with more details so as to provide exceptional performance and offer improved efficiency and reliability.

The new SNC-RH124 PTZ network security camera is among the first in the industry to offer IEEE802.3 compliant High Power over Ethernet (hPoE) operation. As a result, the camera, combined with its PTZ feature, can be operated using a single Ethernet cable without requiring additional power supply. All of the new cameras conform to ONVIF (Open network Video Interface Forum) specifications so that the security devices from different manufacturers can exchange information between each other and enhance the interoperability in the network video systems.

The new line-up also includes Sony's SNC-RS series of standard-definition PTZ speed dome cameras, including the SNC-RS44P (indoor version, 18X optical zoom), SNC-RS46P (indoor version, 36X optical zoom), SNC-RS84P (outdoor version, 18X optical zoom), and SNC-RS86P (outdoor version, 36X optical zoom).

In addition to the SNC-RH/RS lineup of cameras, Sony also offers complete and comprehensive solutions that aim to complement all the needs of today's security surveillance. Besides security cameras, the Sony's stable of security solution include recorders, software, housing accessories as well as encoders.

Sony will also be unveiling five new network video encoders together with the new cameras, which can be used to convert signals from analog to IP. These new devices range from the one-channel SNT-EX101 model to the 4x blade (SNT-EX154/EP154) and 48-channel rack-mount SNT-RS3U model.

This entire line of encoders will be capable of multiple streaming video at 30 frames per second in any codec of JPEG, MPEG and H.264 configurations while providing users with advanced features such as intelligent motion detection, video loss detection, 2-way audio and compatibility with PTZ camera controls.

Sony speed dome network security cameras and network video encoders are now available as follows:

Model	Suggested Price
SNC-RH124	HK\$31,300
SNC-RH164	HK\$39,000
SNC-RS44P	HK\$23,400
SNC-RS46P	HK\$24,600
SNC-RS84P	HK\$30,500
SNC-RS86P	HK\$32,000

Model	Suggested Price
SNT-EX101	HK\$5,000
SNT-EX104	HK\$7,800
SNT-EP104	HK\$7,000
SNT-EX154	HK\$7,300
SNT-EP154	HK\$6,500
SNT-RS1U	HK\$4,800
SNT-RS3U	HK\$11,800

For customer enquiries, please contact Sony customer service hotline at (852) 2909-1865.

About Hong Kong Marketing Company

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Key specifications of the SNC-RH124 and SNC-RH164 :

	SNC-RH164	SNC-RH124
Camera		
Image device	$\frac{1}{3}$ HD CMOS	
Minimum illumination	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)	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)
Number of effective pixels (H x V)	Approx. 2 Megapixel	
Electronic shutter speed	$\frac{1}{2}$ to $\frac{1}{10,000}$ 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	10mm (wide) to 800mm (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.)	
Camera Features		
Day/Night ^{*1}	Yes	
Wide-D ^{*2}	No ^{*3}	
Visibility Enhancer	Yes ^{*3}	
XDNR	Yes	
Image		
Codec image size (H x V)	1280 x 720, 1024 x 576, 800 x 480, 768 x 576, 640 x 480, 384 x 288, 320 x 240, 320 x 192	
Video compression format	H.264, MPEG-4, JPEG	

Maximum frame rate	H264/MPEG-4: 30fps (1280 x 720) JPEG: 10fps (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 ^{*4}	
Network		
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/ server), SMTP, DHCP, DNS, NTP, RTR/ RTCP, RTSP, SNMP (MIB2)	
Wireless network	Yes (with Optional ^{*5})	
Number of clients	10	
Authentication	IEEE802.1X	
Analog video output		
Signal system	NTSC/ PAL	
Horizontal resolution	480 TVL	
S/N ratio	More than 50dB	
Interface		
Ethernet	10BASE-T/ 100BASE-TX (RJ-45)	
Serial interface	RS-232C, RS-422/ RS-485 (PELCO D protocol)	
Card slots	CF card x 1	
Analog video output	Composite video (1Vp-p)	
Sensor output	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: 1Vrms	
General		
Mass	Approx. 4.3kg	Approx. 2.0kg
Dimensions	238 x 346mm	154 x 226mm
Power requirements	AC24V	hPoE ^{*6} , AC24V, DC12V
Power consumption	80W max.	25W max.
Operating temperature	-40 to + 50 °C	0 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 Ver 6.0, Ver 7.0	
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 DynaView Technology

*3 The camera has a conventional backlight compensation function and Visibility Enhancer, which optimizes image contrast dynamically.

*4 Available with software version 1.1 or later

*5 With optional SNCA-CFW5

*6 Available with software version 1.2 or later