SONY
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SNC-RS84P

Outdoor PTZ Dome camera, utilising state-of-the-art image enhancement, 18 x optical zoom and XDNR noise reduction.

Designed for outdoor use, the SNC-RS84P PTZ dome camera delivers excellent picture quality at D1 Resolution. This level of clarity combined with state-of-the-art image processing and a high speed panning capability make the RS84P one of the most effective security cameras on the market. With a total tilt range of 210° and a 360° endless high-speed panning capability, it can cover a wide monitoring area quickly and in a high level of detail. This capability makes it an obvious choice for mission critical applications including airport/border and traffic surveillance.

Installation and servicing time is reduced by a newly developed base, with a Quick Release Mechanism, which means the camera can be installed or detached quickly.

SNC-RS Series Cameras also feature ONVIF (Open Network Video Interface Forum) compliance for easy interoperability with IP monitoring products from a variety of manufacturers.

1 Year PrimeSupport is included as standard within the EU, Norway and Switzerland. This gives users access to an expert helpdesk and, in the unlikely event of a failure, will arrange for an advance replacement unit to be delivered within a target time of one working day. An additional 2 years support is also available as an option.

Features

Improved performance in challenging lighting conditions
Sony's Visibility Enhancer technology improves performance in challenging lighting conditions, for example high-contrast environments, such as casinos and highways that had previously been difficult to monitor. The Visibility Enhancer's advanced system suppresses extreme whites and boosts dark areas in a scene simultaneously and dynamically, to produce clearer images on the screen.

Powerful optical zoom
18x optical zoom delivers greater flexibility in finding and tracking targets.

Wider vertical viewing range
A 210° tilt angle allows a wider vertical viewing range, whilst 400°/sec pan/tilt speed and 360° continuous rotation allows users to find and track targets quickly and easily. The E-flip feature provides seamless viewing.

Triple Codec Network Operation
This multi-codec camera supports three compression formats: JPEG, the best choice of high-quality still images; MPEG-4, the format that provides clear moving images efficiently over limited-bandwidth networks; and H.264, the alternative for severely limited-bandwidth networks, providing twice the efficiency of MPEG-4. The camera can generate JPEG and MPEG-4 images simultaneously

ONVIF Compliant
The ONVIF (Open Network Video Interface Forum) defines a common protocol for the exchange of information between network video devices including automatic device discovery, video streaming and intelligence metadata. Allows interoperability between network video devices.

Tamper Alarm
When an attempt is made to tamper with the camera, such as spray-painting the lens, the SNC-RS Series detects this and triggers an alarm. This event can also be used to activate the camera relays, or even to start the Voice Alert function.

Advanced Audio Detection
Unlike conventional audio detection where an alarm is triggered based on a preset audio level, the SNC-RS Series triggers its alarms based on ambient sound conditions as the threshold. The camera stores and updates ambient audio levels and frequencies, and when the threshold level based on this data, is surpassed, an alarm is triggered. (Available with version 1.1 or later software.)

Audio Message Alert
The camera can store up to three pre-recorded audio alert messages which may be played via an active speaker upon manual or automatic initiation.

Audio Echo Cancellation

This feature removes the echo frequently encountered between the operator and remote site audio systems when speakers and microphones are used.

IP66 Rating

The SNC-RS84P fully complies with IP66 standard for protection against water and dust ingress, making it ideal for use in a wide range of adverse weather and environmental conditions.

Hard Coated Dome Cover

Providing the optimum in protection the camera is enclosed by an impact-resistant and scratch-proof polycarbonate dome cover. Resistance to external damage ensures continued image quality and camera performance

Integrated Sunshade Ventilation Mechanism

A special ventilation system ensures optimum performance even in hot weather conditions.

Benefits

Capture Everything

Sony's PTZ network dome cameras deliver clear and crisp images with a level of detail never seen before.

In combination with advanced image processing technology, the SNC-RS84P provides enhanced levels of security even under the most challenging lighting conditions. It also provides the option to cover more area with fewer cameras, depending upon your operational requirements.

Enhanced viewing range

An extended tilt range provides greater viewing flexibility, especially when viewing in zoom.

Simple to install, easy to maintain

The camera can be installed or detached quickly and easily thanks to its newly developed base, which greatly reduces installation and servicing time and costs.

Highly flexible network capability

Enjoy extraordinary operational flexibility using the ideal compression format for differing image and network types (JPEG for high-quality still images; MPEG-4 and H.264 for clear, moving images over bandwidth- limited networks).

ONVIF compliance ensures optimum interoperability

Compliance with ONVIF Open Network Video Interface Forum) ensures interoperability and maximum flexibility between a wide range of manufacturers' network video products.

Technical Specifications

Video

Video	
Minimum Illumination	Day: 0.4 lx (XDNR ON VE ON Slow Shutter OFF 50 IRE IP) 0.8 lx (Slow Shutter OFF 50 IRE Analogue Video Output. Night: 0.09 lx(XDNR ON VE ON Slow Shutter OFF 50 IRE IP)0.17 lx (Slow Shutter OFF 50 IRE Analogue Video Output
Number of effective pixels (H x V)	440,000 (752 x 582)
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	X18
Horizontal viewing angle	2.8 to 48.0 degrees
Focal length	f=4.1 to 73.8 mm
F-number	F1.4 (wide), F3.0 (tele)
Minimum object distance	290 mm (11 1/2 inches) (wide) to 800 mm (31 1/2 inches) (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

Camera Features	
Day/Night	Yes
Wide-D*2	Yes
Visibility Enhancer	Yes
XDNR	Yes

Image

Image	
Image Codec image size (H x V)	720x480 (NTSC), 720x576 (PAL), 640×480 (VGA), 384×288, 320×240 (QVGA)
Video compression format	H.264, MPEG-4, JPEG
Maximum frame rate	H264/MPEG-4/JPEG: 25 fps (720 x 576)

Audio

Audio	
Audio compression	G.711/G.726

Scene analytics

Scene analytics	
Intelligent motion detection	Yes (Built-in Post filter)

Intelligent object detection	No
Advanced audio detection	Yes
Network Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS,NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
Wireless Network	Yes (with optional accessory)
Number of clients	10
Authentication	EEE802.1X

Analog video output

Analog video output	
Signal System	PAL
Horizontal resolution	530 TVL. More than 50db

Interface

Interface	
Ethernet	10BASE-T/100BASE-TX (RJ-45)
Serial interface	RS-232C, RS-422/RS-485 (PELCO D protocol)
Card Slots	CF card x1
Analogue 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

General

General	
Mass	Approx. 4.3 kg (9 lb 8 oz)
Dimensions (ø x H)	238 x 344 mm (9 3/8 x 13 5/8 inches)
Power requirements	AC24V
Power consumption	78 W max.
Operating temperature	40 to +50 °C
Storage temperature	-20 to +60 °C

System requirements

System requirements	
Operating system:	Windows XP, Windows Vista

Processor CPU:	Pentium4 3GHz, Intel Core2 Duo 2GHz or higher
Memory:	1GB or more
Web browser:	Microsoft Internet Explorer Ver6.0 or, Ver7.0

Accessories

Mounting Hardware

SNCA-CW5

Outdoor wireless antenna cable kit.