

## SNC-CS50P

State-of-the-art network camera



### Intelligent Network Camera



The SNC-CS50P is a state-of-the-art network camera. It provides the excellent picture quality expected of a Sony network camera, enhanced further by the new dynamic frame integration. For easy installation the SNC-CS50P provides power over ethernet (PoE) and wireless options.

Beyond these features Sony is breaking new ground by incorporating Intelligent Motion and Object Detection for improved workflow and anti-tampering functionality for video validation.

UPDATE: This product can be upgraded to support Sony Intelligent Video Analysis using a free firmware upgrade.

### Features

#### "Day/Night" Function

The SNC-CS50 offers a "Day/Night" function to provide optimized sensitivity in both day and night environments. As the scene darkens, the infrared cut filter is automatically replaced with a clear filter and the camera switches to

B/W mode, achieving a minimum illumination of less than 0.04 lx.

#### Advanced Video Motion Detection

The SNC-CS50 is equipped with a built-in advanced video motion detection function that can trigger a variety of actions such as storing and transferring images or that can trigger an external device through its output relays. Unlike with conventional motion detection, the last 15 frames are used to calculate motion detection information and to trigger the alarm when motion is detected. This prevents unwanted noise components from accidentally triggering an alarm, providing a more robust detection method.

#### Unattended Object Detection

The SNC-CS50 can detect objects that have been left in one place for a specified duration. Up to four detection areas can be specified. This feature can be useful for applications such as detecting suspicious objects in public spaces or for detecting illegally parked cars.

#### Sensor IN/Alarm OUT Ports

Equipped with two sensor inputs, the camera can receive triggers from external sensors. Also, two alarm (relay) outputs can be used to trigger other devices to perform a variety of actions.

#### Pre-/Post-Alarm Image Storage

With an ATA memory card in a PC card slot, the SNC-CS50 can store several seconds of pre- and post-alarm images when the motion and unattended object detection systems, or the sensor inputs trigger an alarm.

### Image Transfer Using FTP/SMTP

All of the pre-/post-alarm images stored at the time of an alarm event can be transferred to a FTP server for later viewing\*. Also, a still image at the time of an alarm event can be sent to a designated e-mail address. \* All images transferred using SMTP are in JPEG format.

### Simultaneous Access

Up to 20 users can simultaneously access the SNC-CS50 and monitor images separately.

## Benefits

### High-Quality Images

Employing the latest 1/3-type CCD with SuperExwave technology, the SNC-CS50 delivers exceptional picture quality for your remote monitoring applications. Also, because the minimum illumination level is 0.4 lx at F 0.95 in colour, the camera operates extremely well even in low-light conditions.

### Selectable JPEG, MPEG-4, H.264 Compression Formats

The SNC-CS50 supports three compression formats, JPEG, MPEG-4, and H.264. MPEG-4 provides clear moving images efficiently over networks even with limited network bandwidth. For higher compression, when bandwidth is even more limited, H.264, which achieves two times more compression than MPEG-4, is available.

### High Frame Rate

The SNC-CS50 supports a maximum frame rate of 30 fps when the image size is VGA (640 x 480) in both MPEG-4 and JPEG modes, producing clear and smooth-moving images. The frame rate can also be set to a variable rate that automatically adjusts to the available bandwidth according to the system requirements.

### Slim and Stylish Design With Front and Rear Covers

The SNC-CS50 comes equipped with a stylish front lens cover and a convenient rear panel cover for cable management, the camera is less likely to detract from the natural decor of the room in which it is installed.

### Dual Encoding Capability

The SNC-CS50 is equipped with a dual encoding capability that enables the camera to generate both MPEG-4 and JPEG images simultaneously. For example, you can set up your system to transfer MPEG-4 images over a WAN or an Internet VPN, where network bandwidth is limited, while storing high-resolution JPEG images on a local storage device configured on the LAN.

### Vari-Focal Lens

The SNC-CS50 comes equipped with a CS-mount, IR compensated vari-focal lens with an auto iris function that covers the frequently used horizontal viewing angle of 94 to 35 degrees. Because the maximum aperture is F 0.95, the lens can provide remarkable image quality even in low-light conditions.

## Technical Specifications

### Image

Image Size	640 x 480(VGA), 320 x 240(QVGA), 160 x 120(QQVGA)
Compression format	JPEG, MPEG4, H.264 (Selectable)
Maximum frame rate	JPEG: VGA: max.30fps (NTSC), 25fps (PAL) QVGA: max.30fps (NTSC), 25fps (PAL) MPEG4: VGA: max.30fps (NTSC), 25fps (PAL) QVGA: max.30fps (NTSC), 25fps (PAL) H.264: VGA: max.10fps (NTSC), 8fps (PAL) QVGA: max.30fps (NTSC), 25fps (PAL)

### Audio

Compression format	Audio in: G.711 (64kbps), G.726(40, 32, 24, 16kbps) Audio out: G.711 (64kbps), G.726(40, 32, 24, 16kbps)
--------------------	--

### Network

Protocols	TCP/IP, ARP, ICMP, HTTP, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, SNMP (MIB-2)
Max simultaneous access	20 clients

### Interface

Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Serial Interface	RS-232C
I/O port	Sensor input x 2, Alarm output x2
Card slot	PC Card Type II

Analogue video Output	Composite video (1Vp-p)
External microphone input	Mini-jack (Monaural), 2.2k ohm, 2.5VDC plug-in power
Audio line output	Mini-jack (Monaural), Max output level: 1 Vrms

### Analogue video output

Signal system	NTSC/PAL
Horizontal Resolution	NTSC: 540 lines PAL: 540 lines
S/N ratio	more than 50dB

### System Requirements

OS	Windows 2000/ Windows XP
CPU	Pentium4 1.5GHz or higher (2.4GHz or higher is recommended)
Web browser	Microsoft Internet Explorer Ver6.0 or higher

### General

Mass	Approx. 750g without Front/Rear covers Approx. 880g with Front/Rear covers
Dimensions (W x H x D mm)	84 x 69 x 196 without Front/Rear covers 96.7 x 69 x 265 with Front/Rear covers
Power requirement	PoE (IEEE-802.3af), AC24V, DC12V
Power consumption	max. 9W
Operating temperature	0C to +50C
Storage temperature	-20C to +60C
Operating humidity	20 to 80%
Storage humidity	20 to 95%

### Camera

Image device	1/3type CCD imager (SuperExwave Technology)
Number of effective pixels	NTSC: 380,000 pixels, 768 (H) x 494 (V) PAL: 440,000 pixels, 752 (H) x 582 (V)
Lens type	CS mount 2.7x vari-focal lens
Focal length	f=2.9 - 8.0mm
Horizontal view angle	94 - 35 degree
F Number	F0.95 (Wide end), F1.6 (Tele end)
Iris	Auto/Manual (F0.95 - close)
Shutter speed	1/60 (1/50) - 1/10,000 second
Minimum object distance	300mm
Other functions	Day/Night, Object detection, Image stabilizer, Anti-tampering

### Supplied Accessories

Wire rope
Shoulder screw
Front cover screw
Lens cable cover
Cable (Rear) cover
Front cover
Installation manual
CD-ROM (Setup program, User's guide)

## Accessories

### Mounting Hardware



**SNCA-HFIXED**

Outdoor fixed camera housing