

# SONY

## Network Video Monitoring & CCTV Guide - 2008



## Prime Support

PrimeSupport

### PRIMESUPPORT – ADDING VALUE TO EVERY SALE

Sony Network Video Monitoring systems combine superb picture quality with intelligent features and manageability. In addition, these sales are backed by the peace of mind that Sony PrimeSupport offers through after-sales service packages. Comprehensive 1-year PrimeSupport packages are included as standard with all NVM products. PrimeSupport offers a powerful, high value-add for every Network Video Monitoring system sale. As well as clearly differentiating Sony Network Video Monitoring solutions from other manufacturers, PrimeSupport can help you as an Accredited Sony Dealer by reducing customer downtime and minimising the day-to-day support queries that can rapidly erode the value of every sale. It also provides significant peace of mind for your customers – and a powerful sales closing tool for you. Full details are obtainable on request from your Sony Network Video Monitoring account contact.

#### PrimeSupport for SNC series video network cameras and NSR series network surveillance recorders:

##### Duration

1 year from date of purchase.

##### Telephone Helpdesk

A convenient first point of call to resolve everyday questions relating to set-up, functionality and operation.

##### Advance replacement unit

Should the Telephone Helpdesk be unable to resolve an issue over the phone, they will arrange for an advance replacement unit to be sent to the customer's chosen address – anywhere in mainland EU, Norway & Switzerland.

##### PrimeSupport Upgrades

In addition to the standard one-year packages Sony offer a variety of support extensions which extend the agreement term to a total of 3 years.

**SONY SERVICE & SUPPORT:** [www.sonybiz.net/primesupport](http://www.sonybiz.net/primesupport)

#### The Benefits to the customer:

##### Fast Resolution of Issues and Minimal Downtime

They can plan their business knowing that if a unit needs replacing Sony PrimeSupport will advance ship a replacement unit directly to them, they will only be without a unit for a maximum of 5 days.

##### Peace of Mind

If a product develops a fault we'll take care of all the necessary arrangements, at no cost to the customer, for as long as the product is under contract.

##### Known Cost of Ownership

With 3 year upgrades all parts and labour are covered for 3 years from hardware purchase, so they are secure in the knowledge that they will not face any unexpected repair costs.



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IP Cameras



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Network Video Recorders



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Monitoring Software



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Analogue Video Cameras



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Housings and Accessories



## IP Cameras



# SNC-P1 Specifications

## General

Mass	Approx. 225 g (8 oz)
Dimensions (W x H x D)	99.5 x 35 x 138.5 mm (4 x 1 7/16 x 5 1/2 inches) without projection
Power requirements	DC 12 V
Power consumption	3.5 W
Operating temperature	0 to +35°C (32 to 95°F)
Storage temperature	-20 to 60°C (-4 to +140°F)
Operating humidity	20 to 80 %, Non-condensing
Storage humidity	20 to 95 %, Non-condensing

## Camera

Image device	1/4-type progressive scan CCD
Number of effective pixels	659 x 494 (330K)
Electronic shutter	1 to 1/10000 s
Exposure mode	Auto, Shutter priority, Manual
White balance	Auto, Indoor, Outdoor, One-push, Manual
Minimum illumination	3.0 lx

## Lens

Focal length	f=3.8 mm
Viewing angle	Horizontal: 53.4°, Vertical: 40.0
F-number	F2.0
Minimum object distance	50 cm

## System Network

Compression format	MPEG4/JPEG selectable
Image size (H x V)	
MPEG4 mode	640 x 480, 480 x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120
JPEG mode	640 x 480, 480 x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120

## Maximum frame rate

MPEG4 mode	Max. 25 f/s (320x240) Max. 15 fps, 640 x 480
JPEG mode	Max. 25 f/s (320x240) Max. 18 fps, 640 x 480
Audio compression	G.711 (64 Kbps)/G.726 (40, 32, 24, 16 Kbps)

## Number of clients

MPEG4 mode	10 clients
JPEG mode	20 clients
Protocols	TCP/IP, UDP, RTP, RTCP, ARP, ICMP, HTTP, FTP, SMTP, DHCP, DNS, NTP and PPPoE, SNMP

## Interfaces

Ethernet	100Base-TX/10Base-T (RJ-45)
PC card slot	N/A
Video output	Mini-jack
Built-in microphone	Electret condenser microphone
External microphone input	Mini-jack, Plug-in power, 2.2 kΩ, Unbalanced
Line output	Mini-jack
Sensor in	1
Alarm out	1

## Supplied accessories

AC adaptor (x1), CD-ROM (x1, setup program and user guide), Stand (x1)

### Entry level Network Video Camera

An easy-to-use and cost-effective camera. MPEG4 video compression provides smooth images even under limited bandwidths.

#### Sales Features

- > Fixed focal lens
- > 1/4 type Progressive Scan CCD
- > JPEG, MPEG4
- > 18fps JPEG, 15fps MPEG4 at VGA resolution
- > 30fps JPEG/MPEG4 at QVGA resolution

#### Additional Features

- > Ergonomic design
- > Motion Detection
- > Audio
- > JPEG
- > MPEG4

## SNC-P1



# SNC-CS10, SNC-CS11 Specifications

## General

Mass	Approx. 480 g (1 lb 1 oz)	Approx. 525 g (1 lb 2 oz)
Dimensions (W x H x D)	70 x 57 x 116 mm (2 7/8 x 2 1/4 x 4 5/8 inches)	70 x 57 x 116 mm (2 7/8 x 2 1/4 x 4 5/8 inches)
Power requirements	AC 24 V/DC 12 V	AC 24 V/DC 12 V/PoE
Power consumption	5.7 W max.	5.7 W max.
Operating temperature	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)
Storage temperature	-20 to 60°C (-4 to 140°F)	-20 to 60°C (-4 to 140°F)

## Image

Image size (H x V)	640 x 480, 480 x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120 (JPEG, MPEG4)	640 x 480, 480 x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120 (JPEG, MPEG4)
Compression format	JPEG, MPEG4	JPEG, MPEG4
Maximum frame rate (VGA)	JPEG : 18 fps, MPEG4 : 15 fps (640 x 480)	JPEG : 18 fps, MPEG4 : 15 fps (640 x 480)

## Camera

Image device	1/4-type Progressive Scan CCD	1/4-type Progressive Scan CCD
Number of effective pixels	330,000 pixels (659 x 494)	330,000 pixels (659 x 494)
Electronic shutter	Auto/Manual	Auto/Manual
Gain control	Auto/Manual (-3 dB to +28 dB)	Auto/Manual (-3 dB to +28 dB)
Exposure control	Auto/Shutter priority/Manual	Auto/Shutter priority/Manual
White balance mode	ATW/Indoor/Outdoor/One-push auto/Manual	ATW/Indoor/Outdoor/ One-push auto/Manual
Lens type	N/A	Vari-focus zoom lens
Zoom ratio	1.5/2.0x optical zoom	1.5/2.0x optical zoom
Horizontal viewing angle	2.2 to 54.2 degrees	2.2 to 54.2 degrees
Focal length	f=3.0 to 8.0 mm (F1.0 to F1.4)	f=3.0 to 8.0 mm (F1.0 to F1.4)
F-number	F1.6 (wide), F3.8 (tele)	F1.6 (wide), F3.8 (tele)
Other functions	Activity Detection, Pre-/post-alarm recording	Activity Detection, Pre-/post-alarm recording

## Audio

Audio compression	G.711( 64 kbps)/G.726 (40, 32, 24, 16 kbps)	G.711( 64 kbps)/G.726 (40, 32, 24, 16 kbps)
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## Interface

Ethernet	10Base-T/100Base-TX (RJ-45)	10Base-T/100Base-TX (RJ-45)
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω	BNC x1, 1.0 Vp-p, 75 Ω
I/O port	Sensor in x 1, Alarm out x 1	Sensor in x 1, Alarm out x 1
External microphone input	N/A	Mini-jack (monaural), 2.2 K, 2.5 V plug-in power)
Audio line output	N/A	Mini-jack (monaural), max output level: 1 Vrms

## Analogue Video Output

Signal system	NTSC/PAL (Composite)	NTSC/PAL (Composite)
Horizontal resolution	400 TV lines	400 TV lines
S/N ratio	more than 48 dB	more than 48 dB
Minimum illumination	1.7 lx (50 IRE, F1.0, AGC ON)	1.7 lx (50 IRE, F1.0, AGC ON)

## System Requirements

Operating system	Microsoft Windows 2000/XP	Microsoft Windows 2000/XP
Processor	CPU: Intel Pentium IV 1.5 GHz or higher	CPU: Intel Pentium IV 1.5 GHz or higher
Memory	RAM: 256 MB or more	RAM: 256 MB or more
Web browser	Microsoft Internet Explorer Ver.5.5 or 6.0	Microsoft Internet Explorer Ver.5.5 or later

## Supplied accessories

### For the SNC-CS10

Screw, Wire rope, CD-ROM (users guide, IP setup program, SNC audio upload tool, SNC video player, Customer homepage installer), Installation manual, Warranty booklet, Warranty sheet

### For the SNC-CS11

CS-mount vari focal lens (SNC-CS11 only), Screw, Wire rope, CD-ROM (users guide, IP setup program, SNC audio upload tool, SNC video player, Customer homepage installer), Installation manual, Warranty booklet, Warranty sheet

## Box type Network Video Camera

High-quality and affordable mount lens camera for your IP-based security and surveillance applications.

### Sales Features

- > Vari-focal zoom CS-mount lens (SNC-CS11 only)
- > 1/4-type Progressive Scan CCD
- > JPEG/MPEG4
- > 18 fps JPEG at VGA resolution
- > 15 fps MPEG4 at VGA resolution

### Additional Features

- > Motion Detection
- > JPEG
- > MPEG4
- > PoE (Power-over-Ethernet)  
(SNC-CS11 only)
- > Audio (SNC-CS11 only)

## SNC-CS10 SNC-CS11



# SNC-CS20 Specifications

## General

Mass	Less than 700g
Dimensions (W x H x D)	82.5 x 63 x 172.7 (W x H x D mm) including Lens
Power requirements	PoE (IEEE-802.3af), AC24V, DC12V
Power consumption	max. 8.0W
Operating temperature	0C to +50C
Storage temperature	-20C to +60C

## Image

Image size (H x V)	JPEG: 768 x 576, 640 x 480, 384 x 288, 320 x 240 MPEG4: 640 x 480, 384 x 288, 320 x 240
Compression format	JPEG, MPEG4
Maximum frame rate	30 fps (640 x 480, 768 x 576)

## Camera

Image device	1/4 type progressive scan CCD imager
Number of effective pixels	330,000 pixels, 659 (H) x 494 (V)
Electronic shutter	N/A
Gain control	AGC (Auto Gain Control).
Exposure control	N/A
White balance mode	N/A
Lens type	2.7 x vari-focal lens
Zoom ratio	Optical x 2.7 (x 2 Digital Zoom)
Horizontal viewing angle	69.3 – 26.3
Focal length	f=2.9 – 8.0mm
F-number	F0.95 (Wide end), F1.8 (Tele end)
Other functions	Pre/post-alarm recording

## Audio

Audio compression	G.711 (64kbps), G.726 (40, 32, 24, 16kbps)
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## Interface

Ethernet	10BASE-T/100BASE-TX (RJ-45)
Analogue video output	Composite video (1Vp-p)
I/O port	Sensor input x 1, Alarm output x 2
External microphone input	Mini-jack (Monaural), 2.2k $\Omega$ , 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	400 lines
S/N ratio	more than 50dB (AGC OFF, Weight ON)
Minimum illumination	0.3 lx (Colour), 0.05lx (B/W) at F1.0 (Tentative)

## System Requirements

Operating system	Windows XP, Windows Vista
Processor	Pentium4 3GHz, Intel Core 2 Duo 2GHz or higher
Memory	1GB or more
Web browser	Microsoft Internet Explorer Ver. 6.0 or higher

## Supplied accessories

CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer, Easy Setup Guide), Installation manual, Wire rope,

## Network Video Camera

New compact network video camera with advanced progressive scan CCD's employing ExwavePRO™ Technology giving excellent sensitivity and operational flexibility.

### Sales Features

- > X2.7 vari-focal optical zoom lens (2 x digital)
- > 1/4 type progressive scan CCD with ExwavePRO technology
- > JPEG, MPEG4
- > 30fps JPEG/MPEG4 at VGA resolution

**ExwavePRO**  
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### Additional Features

- > Day/Night
- > Intelligent Motion Detection
- > Variable Gamma Settings
- > Zoom
- > Voice Alert
- > Privacy Zone Masking
- > Bi-directional Audio
- > JPEG
- > MPEG4
- > Dual-encoding
- > PoE

## SNC-CS20



# SNC-CM120 Specifications

## General

Mass	Less than 700g
Dimensions (W x H x D)	82.5 x 63 x 187.5 (W x H x D mm) including Lens
Power requirements	PoE (IEEE-802.3af), AC24V, DC12V
Power consumption	max. 8.0W
Operating temperature	0C to +50C
Storage temperature	-20C to +60C

## Image

Image size (H x V)	JPEG 1280 x 960, 960 x 720, 768 x 576, 640 x 480, 384 x 288, 320 x 240 MPEG4 640 x 480, 384 x 288, 320 x 240
Compression format	JPEG, MPEG4
Maximum frame rate	30 fps (640 x 480), 15 fps (1280 x 960, 768 x 576)

## Camera

Image device	1/3 type progressive scan CCD imager
Number of effective pixels	1,250,000 pixels, 1,296 (H) x 966 (V)
Electronic shutter	N/A
Gain control	AGC (Auto Gain Control).
Exposure control	N/A
White balance mode	N/A
Lens type	2.1x vari-focal lens
Zoom ratio	Optical x 2.1 (x 2 Digital Zoom)
Horizontal viewing angle	100.7 – 47 degrees
Focal length	f=2.8 – 6.0mm
F-number	F1.3 (Wide end), F1.9 (Tele end)
Other functions	Pre/post-alarm recording

## Audio

Audio compression	G.711 (64kbps), G.726 (40, 32, 24, 16kbps)
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## Interface

Ethernet	10BASE-T/100BASE-TX (RJ-45)
Analogue video output	Composite video (1Vp-p)
I/O port	Sensor input x 1, Alarm output x 2
External microphone input	Mini-jack (Monaural), 2.2k $\Omega$ , 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	600 lines
S/N ratio	more than 50dB (AGC OFF, Weight ON)
Minimum illumination	1.2 lx (Colour), 0.15 lx (B/W) at F1.3 (Tentative)

## System Requirements

Operating system	Windows XP, Windows Vista
Processor	Pentium4 3GHz, Intel Core 2 Duo 2GHz or higher
Memory	1GB or more
Web browser	Microsoft Internet Explorer Ver. 6.0 or higher

## Supplied accessories

CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer, Easy Setup Guide), Installation manual, Wire rope

## Megapixel Network Video Camera

New compact network video camera with advanced progressive scan CCD's employing ExwavePRO™ Technology giving excellent sensitivity and high resolution of up to 1.3 Megapixels.

### Sales Features

- > X2.1 vari-focal optical zoom lens (2 x digital)
- > 1/3 type progressive scan CCD with ExwavePRO technology
- >> 1.3 Megapixels
- > JPEG, MPEG4
- > 30fps JPEG/MPEG4 at VGA resolution
- > 15fps 1280 x 960 resolution

**ExwavePRO**  
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### Additional Features

- > Day/Night
- > Light Funnel Function
- > Intelligent Motion Detection
- > Variable Gamma Settings
- > Zoom
- > Voice Alert
- > Solid PTZ/Cropping Function
- > Privacy Zone Masking
- > Bi-directional Audio
- > JPEG
- > MPEG4
- > Dual-encoding
- > PoE

## SNC-CM120



# SNC-Z20P Specifications

## General

Mass	Approx. 800 g (2 lb. 10 oz)
Dimensions (W x H x D)	57 x 70 x 159 mm (2 1/4" x 2 3/4" x 6 1/4")
Power requirements	DC 24 V AC 50/60 Hz, 12 V DC, PoE
Power consumption	9 W max.
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	20% to 80%, Non-condensing
Storage humidity	20% to 95%, Non-condensing

## Image Data

Compression	JPEG
Image Resolution	736 x 544 (Auto), 736 x 544 (Frame), 736 x 544 (Field), 640 x 480 (Auto), 640 x 480 (Frame), 640 x 480 (Field), 320 x 240, 160 x 120
Frame rate	Max. 25 fps (640 x 480)

## Camera

Image device	1/4 type ExwaveHAD CCD
Number of effective pixels	444
Electronic shutter	Auto/Manual (1 to 1/10,000 sec)
Iris	Auto/Manual (F1.4 to Close)
Gain	Auto/Manual (-3 dB to 28 dB)
Focus Mode	Auto/Manual (Near, Far, One Push Auto Focus)

## Lens

Zoom Ratio	x 18
Focal length	f = 4.1 mm to 73.8 mm
F-number	F1.4 (Wide), F3.0 (Tele)
Minimum object distance	Tele: 800 mm, Wide: 10 mm (factory preset is 290 mm)

## Pan/Tilt

Pan angle	N/A
Pan speed	N/A
Tilt angle	N/A
14 Tilt speed	N/A

## Interfaces

Ethernet	10 Base-T/100 Base-TX (RJ-45)
PCMCIA	Type II x1
Sensor and I/O	Sensor input: make contact (photo coupler input electrically isolated from the camera) 1 A (mechanical relay outputs electrically isolated from the camera)
Video Output	VIDEO OUT: BNC, 1.0 Vp-p, 75 Ω, unbalanced, sync negative
Serial I/F	RS-232C transparent port

## Analogue Video Output

Signal system	PAL
Sync system	Internal
Horizontal resolution	460 TV lines
S/N ratio	50 dB
Minimum illumination	Colour: 0.7 lux or less (AE mode, slow shutter off) B/W: 0.01 lux (F1.4, 50IRE, Slow shutter OFF)

## System Requirements

Browser	MS Internet Explorer v 5.5 and 6.0 (Windows98/98SE/ME/NT4.0/2000/XP/VISTA) Pocket PC Internet Explorer. (Pocket PC 2002)
Security	IP-filtering, Password protection
Protocols supported	TCP/IP, HTTP, ARP, ICMP, DHCP, FTP, DNC, NTP and SNMP (MIB-2)

## Supplied accessories

CD-ROM (setup program and User guide), Wire rope, Shoulder screw M4, Installation Manual

## Optional accessories

Memory Stick MSA-128 A (128 MB), Memory Stick PC card adaptor MSAC-PC3, Wide conversation lens VCL-0637H

### Network Video Camera with internal zoom lens

Remote-monitoring with an x18 zoom lens makes it possible for users to be close up without the added expense of a PTZ camera. JPEG compression format allows for efficient distribution over a network.

#### Sales Features

- > Auto-focus x 18 optical zoom lens
- > 1/4 type Exwave HAD® CCD
- > JPEG compression format
- > 25fps JPEG at VGA resolution

#### Additional Features

- > Motion Detection
- > Day/Night
- > Wireless (Option)
- > PCMCIA input slot for optional wireless or memory cards.
- > PoE (Power-over-Ethernet)
- > JPEG

## SNC-Z20P



# SNC-CS50P Specifications

## General

Mass	750g (1 lb 10 oz) excl. cover equipment
	880g (1 lb 15 oz) incl. cover equipment
Dimensions (W x H x D)	84 x 69 x 196 mm (3 3/8" x 2 3/4" x 7 3/4") excl. cover equipment
	84 x 69 x 265 mm (3 3/8" x 2 3/4" x 10 1/2") incl. cover equipment
Power requirements	AC 24 V, DC 12 V, PoE
Power consumption	9 W max. (AC 24V)
Operating temperature	0°C to 50°C (32°F to 122°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)
Operating humidity	20% to 80%, Non-condensing
Storage humidity	20% to 95%, Non-condensing

## Image Data

Compression	JPEG, MPEG4, H.264
Image Resolution	JPEG/MPEG4: 640 x 480, 384 x 288, 320 x 240, 160 x 120
	H264: 640 x 480, 320 x 240, 160 x 120
Frame rate	JPEG/MPEG4: Max. 25 fps, H.264: Max. 8 fps

## Camera

Image device	1/3-type SuperExwave CCD
Number of effective pixels	440,000 pixels
Electronic shutter	1/50 to 1/10,000 s
Iris	ATW, ATW PRO, ONE PUSH

## Lens

Zoom Ratio	N/A
Horizontal viewing angle	94° to 35°
Focal length	f=2.9 to 8.0 mm
F-number	F0.95 to F1.6
Minimum object distance	300 mm

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ45)
PC card slot	PC card x1 (Type II)
Sensor and I/O	Sensor input x 2, Alarm output x 2
Video Output	Analogue video output BNC x1, 1.0 Vp-p, 75 Ω
Serial I/F	RS-232C (Transparency function)

## Analogue Video Output

Signal system	PAL (Composite)
Sync system	Internal
Horizontal resolution	540 TV lines
S/N ratio	50 dB or more
Minimum illumination	Colour: 0.4 lx (F 0.95, 50 IRE, AGC ON)

## System Network

Browser	MS Internet Explorer® Ver.6.0 or later
Security	IP-Filtering, Password Protection
Protocols supported	TCP/IP, HTTP, ARP, ICMP, DHCP, FTP, DNC, NTP and SNMP (MIB-2)

## Supplied accessories

CD-ROM (setup program and user's guide), Wire rope, Shoulder screw M4, Cable cover, Front cover, Lens cable cover, Screw for front cover

## Optional accessories

SNCA-CFW1 Wireless LAN card, SNC1-AN1 Wireless LAN Antenna (optional accessory for the SNCA-CFW1 Wireless LAN card)  
SNCA-CFW5 Wireless LAN card

## Intelligent Network Video Camera

SuperExwave™ camera provides excellent picture quality, enhanced further by intelligent features.

### Sales Features

- > Auto iris vari-focal lens
- > 1/3 type SuperExwave™ CCD
- > JPEG, MPEG4 and H.264
- > 25fps MPEG4, 25fps JPEG at VGA resolution
- > 8fps H.264 at VGA resolution

### Additional Features

- > Intelligent Motion Detection
- > Intelligent Object Detection
- > Dynamic Frame Integration
- > Motion Detection
- > Voice Alert
- > Day/Night
- > Wireless (option)
- > PoE (Power-over-Ethernet)
- > Audio
- > JPEG, MPEG4, H.264
- > Dual Streaming
- > Privacy Zone Masking

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## SNC-CS50P



# SNC-DF40P Specifications

## General

Mass	Approx. 750 g (1 lb 10 oz)
Dimensions (W x H x D)	124 x 132 x 126 mm (5" x 5 1/4" x 5") without projection ports
Power requirements	AC24 V 50/60 Hz, DC12 V, POE
Power consumption	7.5 W
Operating temperature	-10 to +50°C (14 to 122°F)
Storage temperature	-20 to +60°C (-4 to +140°F)
Operating humidity	20% to 80%, non-condensing
Storage humidity	20% to 95%, Non-condensing

## Camera

Image device	1/4-type SuperHAD CCD
Number of effective pixels	752 x 582 (H x V)
Electronic shutter	1/50 to 1/10000 s
Gain control	Auto: ON/OFF switchable (up to 18 dB)
Exposure control	Auto, Back-Light-Compensation(BLC)
White balance mode	ATW
Lens mount	CS mount
Lens type	x2.7 Vari-focal auto iris lens
Horizontal viewing angle	66.6 to 26.9 degrees
Focal length	f=3.0 to 8.0 mm
F number	F=1.0
Iris	CCD iris
Minimum object distance	200 mm
Other functions	Motion detection

## Image

Image size (H x V)	640 x 480, 480 x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120
Compression format	MPEG4/JPEG selectable
Maximum frame rate	
(MPEG4 mode)	Max. 25 fps (320 x 240)
(JPEG mode)	Max. 25 fps (320 x 240)

## Audio

Compression format	G.711 (64 Kbps) / G.726 (40, 32, 24, 16 Kbps)
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## Network

Protocols	TCP/IP, UDP, RTP, RTCP, ARP, ICMP, DHCP, DNS, HTTP, FTP, SMTP
Number of clients	JPEG: 20 users, MPEG4: 10 users

## Interfaces

Ethernet	100Base-TX/10Base-T (RJ-45)
Analogue video output	Composite video (1.0 Vp-p)
Monitor output	2-Pin connector
I/O port	Sensor in (1), Alarm out (2)
External microphone input	Mini-jack, 2.4 VDC plug-in power, 4.7 k $\Omega$
Audio line output	Mini-jack (Monoaural), max output level: 1 Vrms

## Analogue Video Output

Signal system	PAL (Composite)
Horizontal resolution	480 TV lines
S/N ratio	50 dB
Minimum illumination	Colour 0.8 lx (AGC On, F1.0, 50IRE) B/W: N/A

## System Requirements

Operating system	Microsoft® Windows® 2000/XP
Processor	Intel® Pentium® III, 1 GHz or higher (Recommendation: Pentium IV, 2GHz or higher)
Memory	256 MB RAM minimum
Web browser	Microsoft Internet Explorer® version 5.5 or later

## Supplied accessories

CD-ROM (setup program, users guide), Monitor cables (2), Wire rope, Screws (2), Dome cover screw, Installation manual

### Network Fixed Mini Dome Camera

Versatile and discreet in size, the integral dome enclosure makes this camera ideal for remote surveillance monitoring applications.

#### Sales Features

- > Auto iris vari-focal CS Mount lens
- > 1/4 type Super HAD CCD
- > JPEG, MPEG4
- > 18fps JPEG, 15fps MPEG at VGA resolution
- > 25fps JPEG/MPEG4 at QVGA resolution

#### Additional Features

- > PoE (Power-over-Ethernet)
- > Audio
- > JPEG, MPEG4

## SNC-DF40P



# SNC-DS10 Specifications

## General

Mass	Approx. 780 g (1 lb 11 oz)
Dimensions (W x H x D)	Approx. 140 x 118 mm (5 5/8 x 4 3/4 inches)
Power requirements	PoE (IEEE-802.3af)/AC24V/DC12 V
Power consumption	7.5 W max.
Operating temperature	0 to 50°C (32 to 122°F)
Storage temperature	-20 to 60°C (-4 to 140°F)

## Camera

Image device	1/4-type Progressive Scan CCD with ExwavePRO Technology
Number of effective pixels	330,000 (659 x 494)
Electronic shutter	1 to 1/10,000 s
Gain control	On/Off (0 dB to +36 dB)
Exposure control	Auto, Back-Light-Compensation (BLC), Gamma settings
White balance mode	ATW, ATW Pro

## Lens type

Zoom ratio	Vari-focal lens
Horizontal viewing angle	3.6 x optical zoom (2x digital zoom)
Focal length	73° to 20°
F number	f=2.8 to 10.0 mm
Minimum object distance	F1.3 (wide), F3.0 (tele)
	300 mm

## Image

Image size (H x V)	JPEG 768 x 576, 640 x 480, 384 x 288, 320 x 240 MPEG4 640 x 480, 384 x 288, 320 x 240
Maximum frame rate	30 fps (640 x 480, 768 x 576)

## Audio

Audio compression	G.711/G.726 (40, 32, 24, 16 Kb/s)
Network	
Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP, RTP/RTCP, UDP
Number of clients	10
Authentication	IEEE802.1X

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
I/O port	Sensor in x 1, Alarm out x 2
External microphone input/Line input	Mini-jack x1 (Mic in: monaural, 2.2 KΩ DC 2.5 V plug-in power, input Line in : monaural)
Audio line output	Mini-jack (monaural), max output level: 1 Vrms

## Analogue video output

Horizontal resolution	400 TV lines
S/N ratio	more than 50 dB
Minimum illumination	Colour: 0.3 lx (50IRE, F1.3, AGC 36dB)

## System requirements

Operating system	Microsoft® Windows® XP/VISTA
Processor	CPU: Intel® Pentium® IV 2.4 GHz or higher, Intel Core2 Duo, 1.8 GHz or higher
Memory	RAM: 1 GB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or Higher

## Supplied accessories

CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer), Installation manual, Bracket, Template, M4 screws (4), Wire rope, M4 shoulder screw, Audio cable, I/O cable, LAN cable, BNC cable, Power input cable

## Network Mini Dome Camera

New compact network mini dome camera with advanced progressive scan CCD's employing ExwavePRO™ Technology giving excellent sensitivity and operational flexibility.

### Sales Features

- > 3.6 x vari-focal optical zoom lens (2 x digital)
- > 1/4 type progressive scan CCD with ExwavePRO technology
- > JPEG, MPEG4
- > 30fps JPEG/MPEG4 at VGA resolution

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### Additional Features

- > Intelligent Motion Detection
- > Variable Gamma Settings
- > Zoom
- > Voice Alert
- > Privacy Zone Masking
- > Bi-directional Audio
- > JPEG
- > MPEG4
- > Dual-encoding
- > Ceiling or Wall mountable
- > PoE

## SNC-DS10



# SNC-DM110

## General

Mass	Approx. 780 g (1 lb 11 oz)
Dimensions (W x H x D)	Approx. 140 x 118 mm (5 5/8 x 4 3/4 inches)
Power requirements	PoE (IEEE-802.3af)/AC24V/DC12 V
Power consumption	8 W max.
Operating temperature	0 to 50°C (32 to 122°F)
Storage temperature	-20 to 60°C (-4 to 140°F)

## Camera

Image device	1/3-type Progressive Scan CCD with ExwavePRO Technology
Number of total pixels	Approx 1,320,000
Number of effective pixels	1,250,000 (1296 x 966)
Electronic shutter	1 to 1/10,000 s
Gain control	On/Off (0 dB to +36 dB)
Exposure control	Auto, Back-Light-Compensation (BLC), Gamma settings
White balance mode	ATW, ATW Pro

## Lens type

### Vari-focal lens

Zoom ratio	3.4 x optical zoom (2x digital zoom)
Horizontal viewing angle	100.3° to 29°
Focal length	f=2.8 to 9.5 mm
F number	F1.3 (wide), F2.9 (tele)
Iris	CCD iris
Minimum object distance	300 mm

## Image

Image size (H x V)	JPEG 1280 x 960, 960 x 720, 768 x 576, 640 x 480, 384 x 288, 320 x 240 MPEG4 640 x 480, 384 x 288, 320 x 240
Maximum frame rate	30 fps (640 x 480), 15 fps (1280 x 960, 768 x 576)

## Audio

Audio compression	G.711/G.726 (40, 32, 24, 16 Kb/s)
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## Network

Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP, RTP/RTCP, UDP
Number of clients	10
Authentication	IEEE802.1X

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Analogue video output	BNC x 1, 1.0 Vp-p, 75 Ω, RCA x 1
I/O port	Sensor in x 1, Alarm out x 2
External microphone input/Line input	Mini-jack x1 (Mic in: monaural, 2.2 KΩ DC 2.5 V plug-in power, Line in : monaural)
Audio line output	Mini-jack (monaural), max output level: 1 Vrms

## Analogue video output

Horizontal resolution	600 TV lines
S/N ratio	more than 50 dB
Minimum illumination	Colour: 0.8 lx (50IRE, F1.3, AGC 30dB)

## System requirements

Operating system	Microsoft® Windows® XP/VISTA
Processor	CPU: Intel® Pentium® IV 3 GHz or higher, Intel Core2 Duo, 2 GHz or higher
Memory	RAM: 1 GB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or Higher

## Supplied accessories

CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer), Installation manual, Bracket, Template, M4 screws (4), Wire rope, M4 shoulder screw, Audio cable, I/O cable, LAN cable, BNC cable, Power input cable

## Megapixel Network Mini Dome Camera

New compact network mini dome camera with advanced progressive scan CCD's employing ExwavePRO™ Technology giving excellent sensitivity and high resolution of up to 1.3 Megapixels

### Sales Features

- > 3.4 x vari-focal optical zoom lens (2 x digital)
- > 1/3 type progressive scan CCD with ExwavePRO technology
- > 1.3 Megapixels
- > JPEG, MPEG4
- > 30fps JPEG/MPEG4 at VGA resolution
- > 15fps 1280 x 960 resolution

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### Additional Features

- > Light Funnel Function
- > Intelligent Motion Detection
- > Variable Gamma Settings
- > Zoom
- > Voice Alert
- > Solid PTZ/Cropping Functions
- > Privacy Zone Masking
- > Bi-directional Audio
- > JPEG
- > MPEG4
- > Dual-encoding
- > Ceiling or Wall mountable
- > PoE

## SNC-DM110



# SNC-DF50P Specifications

## General

Mass	Approx. 920 g (2 lb)
Dimensions (W x H x D)	Approx. 126 x 140 mm (5 x 5 5/8 inches)
Power requirements	PoE (IEEE-802.3af)/AC24V/DC12 V
Power consumption	9 W max.
Operating temperature	-10 to 50°C (14 to 122°F)
Storage temperature	-20 to 60°C (-4 to 140°F)
Operating humidity	20 to 80%
Storage humidity	20 to 95%

## Camera

Image device	1/3-type CCD with DynaView Technology
Number of effective pixels	440,000 (752 x 582)
Electronic shutter	1/50 to 1/10,000 s
Gain control	Auto, EV compensation, DynaView
Exposure control	Auto, Back-Light-Compensation (BLC)
White balance mode	ATW, ATW Pro
Lens mount	Ball-Joint Lens Mount
Lens type	Vari-focal lens
Horizontal viewing angle	100.8° to 27.7°
Focal length	f=2.8 to 10.0 mm
F number	F1.3 (wide), F3.0 (tele)
Iris	CCD iris
Minimum object distance	300 mm

## Image

Image size (H x V)	JPEG/MPEG4: 640 x 480, 384 x 288, 320 x 240, 160 x 120 H264: 640 x 480, 320 x 240, 160 x 120
Compression format	JPEG, MPEG4, H.264
Maximum frame rate	
(JPEG/MPEG4 mode)	25 fps (640 x 480)
(H.264 mode)	8 fps (640 x 480)

## Audio

Audio compression	G.711/G.726 (40, 32, 24, 16 Kb/s)
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## Network

Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP, RTP/RTCP, 802.1x
Number of clients	20

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Analogue video output	BNC x1, 1.0 V <sub>p-p</sub> , 75 Ω, RCA x 1
Monitor output	RCA connector
I/O port	Sensor in x 1, Alarm out x 2
External microphone input	Mini-jack (monaural, 2.2 K 2.5 V plug-in power)
Audio line output	Mini-jack (monaural), max output level: 1 V <sub>rms</sub>

## Analogue Video Output

Signal system	PAL (Composite)
Horizontal resolution	480 TV lines
S/N ratio	more than 50 dB
Minimum illumination	0.7 lx (50IRE, F1.3, AGC ON)

## System requirements

Operating system	Microsoft® Windows® 2000/XP/VISTA
Processor	CPU: Intel® Pentium® IV 1.5 GHz or higher (2.4 GHz or higher is recommended)
Memory	RAM: 256 MB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or higher

## Supplied accessories

Template, Wire rope, M4 shoulder screw, AC power cord, Monitor cable, CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer), Installation manual

### Network Intelligent Fixed Mini Dome Camera

Incorporates DynaView technology to reproduce images in wider dynamic ranges, making it ideal for use in extremely high-contrast environments.

#### Sales Features

- > Auto iris varifocal Ball-Joint Mount Lens
- > 1/3-type CCD with DynaView
- > JPEG, MPEG4 and H.264
- > 25fps JPEG/MPEG4 at VGA resolution
- > 8fps H.264 at VGA resolution

#### Additional Features

- > Intelligent Motion Detection
- > Intelligent Object Detection
- > Motion Detection
- > Voice Alert
- > Privacy Zone Masking
- > PoE (Power-over-Ethernet)
- > Audio
- > JPEG, MPEG4, H.264
- > Dual Streaming
- > YT-ICB45 In-Ceiling Mount Bracket

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## SNC-DF50P



# SNC-DF70P Specifications

## General

Mass	Approx. 1,500 g (3 lb 5 oz)
Dimensions (W x H x D)	165 x 135 x 166 mm (6 1/2" x 5 3/8" x 6 5/8") without projection ports
Power requirements	AC24 V 50/60 Hz, DC12 V, PoE
Power consumption	8 W
Operating temperature	-10 to +50°C (14 to 122°F)
Storage temperature	-20 to +60°C (-4 to +140°F)
Operating humidity	20% to 80%, non-condensing
Storage humidity	20% to 95%, non-condensing

## Camera

Image device	1/4-type SuperHAD CCD
Number of effective pixels	752 x 582 (H x V)
Electronic shutter	1/50 to 1/10000 s
Gain control	Auto: ON/OFF switchable (up to 18 dB)
Exposure control	Auto, Back-Light-Compensation (BLC)
White balance mode	ATW
Lens mount	CS mount
Lens type	x2.7 Vari-focal auto iris lens
Horizontal viewing angle	66.6 to 26.9 degrees
Focal length	f=3.0 to 8.0 mm
F number	F=1.0
Iris	CCD iris
Minimum object distance	200 mm
Other functions	Motion detection Day/Night function

## Image

Image size (H x V)	640 x 480, 480 x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120
Compression format	MPEG4/JPEG selectable
Maximum frame rate (MPEG4 mode)	Max. 25 fps (320 x 240)
(JPEG mode)	Max. 25 fps (320 x 240)

## Audio

Compression format	G.711 (64 Kbps) / G.726 (40, 32, 24, 16 Kbps)
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## Network

Protocols	TCP/IP, UDP, RTP, RTCP, ARP, ICMP, DHCP, DNS, HTTP, FTP, SMTP
Number of clients	JPEG: 20 users, MPEG4: 10 users

## Interfaces

Ethernet	100Base-TX/10Base-T (RJ-45)
Analogue video output	Composite video (1.0 Vp-p)
Monitor output	2-Pin connector
I/O port	Sensor in (1), Alarm out (2)
External microphone input	Mini-jack, 2.4 VDC plug-in power, 4.7 k $\Omega$
Audio line output	Mini-jack (Monoaural), max output level: 1 Vrms

## Analogue video output

Signal system	PAL (Composite)
Horizontal resolution	480 TV lines
S/N ratio	50 dB
Minimum illumination	Colour: 0.9 lx (AGC On, F1.0, 50IRE) B/W: 0.2 lx (AGC On, F1.0)

## System requirements

Operating system	Microsoft® Windows® 2000/XP
Processor	Intel® Pentium® III, 1 GHz or higher (Recommendation: Pentium IV, 2GHz or higher)
Memory	256 MB RAM minimum
Web browser	Microsoft Internet Explorer® version 5.5 or later

## Supplied accessories

CD-ROM (setup program, users guide), Monitor cables (2), Wire rope, Screws (2), Installation manual

### Rugged, Network Fixed Mini Dome Camera

The weatherproof, heavy-duty housing makes this camera ideal for 24/7 surveillance in outdoor environments that are prone to vandalism.

#### Sales Features

- > Auto iris varifocal Lens
- > 1/4 type Super HAD® CCD
- > JPEG/MPEG4
- > 18fps JPEG, 15fps MPEG4 at VGA resolution
- > 25fps JPEG/MPEG4 at QVGA resolution

#### Additional Features

- > Ruggedised construction
- > Motion Detection
- > Day/Night
- > PoE (Power-over-Ethernet)
- > Audio

## SNC-DF70P



# SNC-DS60 Specifications

## General

Mass	Approx. 1.4 kg (3 lb 1 oz)
Dimensions (W x H x D)	Approx. 166 x 119 mm (6 5/8 x 4 3/4 inches)
Power requirements	PoE (IEEE-802.3af)/AC24V/DC12 V
Power consumption	15 W max.
Operating temperature	-30 to 50°C (-22 to 122°F)
Storage temperature	-20 to 60°C (-4 to 140°F)

## Camera

Image device	1/4-type Progressive Scan CCD with ExwavePRO Technology
Number of effective pixels	330,000 (659 x 494)
Electronic shutter	1 to 1/10,000 s
Gain control	On/Off (0 dB to +36 dB)
Exposure control	Auto, Back-Light-Compensation (BLC), Gamma settings
White balance mode	ATW, ATW Pro
Lens type	Vari-focal lens
Zoom ratio	3.6x optical zoom (2x digital zoom)
Horizontal viewing angle	73° to 20°
Focal length	f=2.8 to 10.0 mm
F number	F1.3 (wide), F3.0 (tele)
Iris	CCD iris
Minimum object distance	300 mm

## Image

Image size (H x V)	JPEG 768 x 576, 640 x 480, 384 x 288, 320 x 240 MPEG4 640 x 480, 384 x 288, 320 x 240
Maximum frame rate	30 fps (640 x 480, 768 x 576)

## Audio

Audio compression	G.711/G.726 (40, 32, 24, 16 Kb/s)
Network	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS,
Protocols	NTP, RTP/RTCP, UDP
Number of clients	10
Authentication	IEEE802.1X

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
I/O port	Sensor in x 1, Alarm out x 2
External microphone	Mini-jack x1 (Mic in: monaural, 2.2 KΩ DC 2.5 V plug-in power,
input/Line input	Line in : monaural)
Audio line output	Mini-jack (monaural), max output level: 1 Vrms

## Analogue video output

Horizontal resolution	400 TV lines
S/N ratio	more than 50 dB
Minimum illumination	Colour: 0.3 lx (50IRE, F1.3, AGC 36dB) B/W: 0.15 lx (50IRE, F1.3, AGC 36dB)

## System requirements

Operating system	Microsoft® Windows® XP/VISTA
Processor	CPU: Intel® Pentium® IV 2.4 GHz or higher, Intel Core2 Duo, 1.8 GHz or higher
Memory	RAM: 1 GB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or Higher

## Supplied accessories

CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer), Installation manual, Bracket, Template, Torx wrench, M4 screws (4), Wire rope, M4 shoulder screw, Audio cable, I/O cable, LAN cable, BNC cable, Power input cable

## Rugged Network Mini Dome Camera

New compact network mini dome camera with advanced progressive scan CCD's employing ExwavePRO™ technology giving excellent sensitivity and operational flexibility.

### Sales Features

- > 3.6 x vari-focal optical zoom lens (2x digital)
- > 1/4 type progressive scan CCD with ExwavePRO technology
- > JPEG, MPEG4
- > 30fps JPEG/MPEG4 at VGA resolution
- > PoE

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### Additional Features

- > Rugged design (IP66 compliant)
- > Day/Night
- > Built-in Heater
- > Intelligent Motion Detection
- > Variable Gamma Settings
- > Zoom
- > Voice Alert
- > Privacy Zone Masking
- > Bi-directional Audio
- > JPEG
- > MPEG4
- > Dual-encoding
- > Ceiling or Wall mountable
- > PoE (With or Without heater)

## SNC-DS60



# SNC-DM160 Specifications

## General

Mass	Approx. 1.4 kg (3 lb 1 oz)
Dimensions (W x H x D)	Approx. 166 x 119 mm (6 5/8 x 4 3/4 inches)
Power requirements	PoE (IEEE-802.3af)/AC24V/DC12 V
Power consumption	15 W max.
Operating temperature	-30 to 50°C (-22 to 122°F)
Storage temperature	-20 to 60°C (-4 to 140°F)

## Camera

Image device	1/3-type Progressive Scan CCD with ExwavePRO Technology
Number of total pixels	Approx 1,320,000
Number of effective pixels	1,250,000 (1296 x 966)
Electronic shutter	1 to 1/10,000 s
Gain control	On/Off (0 dB to +36 dB)
Exposure control	Auto, Back-Light-Compensation (BLC), Gamma settings
White balance mode	ATW, ATW Pro
Lens type	Vari-focal lens
Zoom ratio	3.6x optical zoom (2x digital zoom)
Horizontal viewing angle	100.8° to 27°
Focal length	f=2.8 to 10.0 mm
F number	F1.3 (wide), F3.0 (tele)
Minimum object distance	300 mm

## Image

Image size (H x V)	JPEG 1280 x 960, 960 x 720, 768 x 576, 640 x 480, 384 x 288, 320 x 240 MPEG4 640 x 480, 384 x 288, 320 x 240
Maximum frame rate	30 fps (640 x 480), 15 fps (1280 x 960, 768 x 576)

## Audio

Audio compression	G.711/G.726 (40, 32, 24, 16 Kb/s)
Network	
Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP, RTP/RTCP, UDP
Number of clients	10
Authentication	IEEE802.1X

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
I/O port	Sensor in x 1, Alarm out x 2
External microphone	Mini-jack x1 (Mic in: monaural, 2.2 KΩ DC 2.5 V plug-in power, input/Line input)
Audio line output	Mini-jack (monaural), max output level: 1 Vrms

## Analogue video output

Horizontal resolution	600 TV lines
S/N ratio	more than 50 dB
Minimum illumination	Colour: 0.8 lx (50IRE, F1.3, AGC 30dB) B/W: 0.15 lx (50IRE, F1.3, AGC 30dB)

## System requirements

Operating system	Microsoft® Windows® XP/VISTA
Processor	CPU: Intel® Pentium® IV 3 GHz or higher, Intel Core2 Duo, 2 GHz or higher
Memory	RAM: 1 GB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or Higher

## Supplied accessories

CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer), Installation manual, Bracket, Template, Torx wrench, M4 screws (4), Wire rope, M4 shoulder screw, Audio cable, I/O cable, LAN cable, BNC cable, Power input cable

## Rugged Megapixel Network Mini Dome Camera

New compact network mini dome camera with advanced progressive scan CCD's employing ExwavePRO™ Technology giving excellent sensitivity and high resolution of up to 1.3 Megapixels.

### Sales Features

- > 3.6 x vari-focal optical zoom lens (2 x digital)
- > 1/3 type progressive scan CCD with ExwavePRO technology
- > 1.3 Megapixels
- > JPEG, MPEG4
- > 30fps JPEG/MPEG4 at VGA resolution
- > 15fps 1280 x 960 resolution
- > PoE

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### Additional Features

- > Rugged design (IP66 compliant)
- > Day/Night
- > Built-in Heater
- > Light Funnel Function
- > Intelligent Motion Detection
- > Variable Gamma Settings
- > Zoom
- > Voice Alert
- > Solid PTZ/Cropping Functions
- > Privacy Zone Masking
- > Bi-directional Audio
- > JPEG
- > MPEG4
- > Dual-encoding
- > Ceiling or Wall mountable
- > PoE (With or Without heater)

## SNC-DM160



# SNC-DF80P Specifications

## General

Mass	Approx. 1.8 kg (3 lb 15 oz)
Dimensions (W x H x D)	Approx. 177 x 141 mm (7 x 5 5/8 inches)
Power requirements	PoE (IEEE-802.3af)/AC24V/DC12 V
Power consumption	10 W max.
Operating temperature	-10 to 50°C (14 to 122°F) -40 to 50°C (-40 to 122°F) w/heater unit
Storage temperature	-20 to 60°C (-4 to 140°F)
Operating humidity	20 to 80%
Storage humidity	20 to 95%

## Camera

Image device	1/3-type CCD with SuperExwave Technology
Number of effective pixels	440,000 (752 x 582)
Electronic shutter	1/50 to 1/10,000 s
Gain control	On/Off (0 dB to +24 dB)
Exposure control	Auto, Back-Light-Compensation (BLC)
White balance mode	ATW, ATW Pro
Lens mount	Ball-Joint Lens Mount
Lens type	Vari-focal lens
Horizontal viewing angle	100.8° to 27.7°
Focal length	f=2.8 to 10.0 mm
F number	F1.3 (wide), F3.0 (tele)
Iris	CCD iris
Minimum object distance	300 mm

## Image

Image size (H x V)	JPEG/MPEG4: 640 x 480, 384 x 288, 320 x 240, 160 x 120 H264: 640 x 480, 320 x 240, 160 x 120
Compression format	JPEG, MPEG4, H.264
Maximum frame rate (JPEG/MPEG4 mode) (H.264 mode)	25 fps (640 x 480) 8 fps (640 x 480)

## Audio

Audio compression	G.711/G.726 (40, 32, 24, 16 Kb/s)
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## Network

Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP, RTP/RTCP
Number of clients	20

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Analogue video output	BNC x1, 1.0 V <sub>p-p</sub> , 75 Ω, RCA x 1
Monitor output	RCA connector
I/O port	Sensor in x 1, Alarm out x 2
External microphone input	Mini-jack (monaural, 2.2 K 2.5 V plug-in power)
Audio line output	Mini-jack (monaural), max output level: 1 V <sub>rms</sub>

## Analogue video output

Signal system	PAL (Composite)
Horizontal resolution	540 TV lines
S/N ratio	more than 50 dB
Minimum illumination	Colour: 0.6 lx (50IRE, F1.3, AGC ON) B/W: 0.06 lx (50IRE, F1.3, AGC ON)

## System requirements

Operating system	Microsoft® Windows® 2000/XP/VISTA
Processor	CPU: Intel® Pentium® IV 1.5 GHz or higher (2.4 GHz or higher is recommended)
Memory	RAM: 256 MB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or higher

## Supplied accessories

Bracket, Template, Torx wrench, M4 screws (4), Wire rope, M4 shoulder screw, Audio cable, I/O cable, CD-ROM (User's guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer), Installation manual

## Rugged, Intelligent Network Fixed Mini Dome Camera

Incorporates SuperExwave technology and Day/Night function.

Ideal for capturing clear and detailed images even in low-light conditions.

### Sales Features

- > Auto iris varifocal Ball-Joint Mount Lens
- > 1/3-type SuperExwave CCD
- > JPEG, MPEG4 and H.264
- > 25fps JPEG/MPEG4 at VGA resolution
- > 8fps H.264 at VGA resolution

### Additional Features

- > Intelligent Motion Detection
- > Intelligent Object Detection
- > Motion Detection
- > Voice Alert
- > Privacy Zone Masking
- > Day/Night
- > PoE (Power-over-Ethernet)
- > Audio
- > JPEG, MPEG4, H.264
- > Dual Streaming
- > YT-ICB45 In-Ceiling Mount Bracket
- > YT-HU75 Heater Unit

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## SNC-DF80P



# SNC-P5 Specifications

## General

Mass	Camera: Approx. 380 g (13 oz) Stand: Approx. 360 g (13 oz)
Dimensions (W x H x D)	Camera: 130 x 130 x 110 mm 5 1/8 x 5 1/8 x 4 3/8 inches) Stand: 130 x 178 x 142 mm 5 1/8 x 7 1/8 x 5 5/8 inches)
Power requirements	DC 12 V
Power consumption	6.2 W
Operating temperature	0 to +35°C (32 to 95°F)
Storage temperature	-20 to 60°C (-4 to +140°F)
Operating humidity	20 to 80 %, Non-condensing
Storage humidity	20 to 95 %, Non-condensing

## Camera

Image device	1/4-type progressive scan CCD
Number of effective pixels	659 x 494 (H x V)
Electronic shutter	1 to 1/10000 s
Exposure mode	Auto, Shutter priority, Manual
White balance	Auto, Indoor, Outdoor, One-push, Manual
Minimum illumination	3.5 lx (AGC ON, F2.8, 30IRE)

## Lens

Focal length	f=3.4 mm, to 10.2 mm
Viewing angle	Horizontal: 20 to 55.8°, Vertical: 15.1 to 43.3°
F-number	F2.8 (wide) to 3.9 (Tele)
Minimum object distance	0.4m (wide end), 1.4m (Tele end)

## System network

Compression format	MPEG4/JPEG selectable
Image size (H x V)	
MPEG4 mode	640 x 480, 480x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120
JPEG mode	640 x 480, 480x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120
Maximum frame rate	
MPEG4 mode	Max. 25 fps, 320 x 240,
JPEG mode	Max. 25 fps, 320 x 240,
Audio compression	G.711 (64 Kbps)/G.726 (40, 32, 24, 16 Kbps)
Number of clients	
MPEG4 mode	10 clients
JPEG mode	20 clients
Protocols	TCP/IP, ARP, ICMP, DHCP, DSN, HTTP, FTP, SMTP, NTP, SNMP (MIB-2), RTP/RTCP, PPPoE

## Interfaces

Ethernet	100Base-TX/10Base-T (RJ-45)
PC card slot	Compact Flash for storage or wireless
Video output	Mini-jack (1.0 V p-p, 75 Ω, Sync negative)
Built-in microphone	Electret condenser microphone (omni-directional)
External microphone input	Mini-jack, 2.2 kΩ Unbalanced (RCA), 2.5 V plug-in power
Line output	Mini-jack, (mono), max output level: 1 Vms
Sensor in	2
Alarm out	1

## Supplied accessories

AC power adaptor MPA-AC1 (Sony) (x1), Stand (x1), Wall-mount (x1)

### Network Camera with Pan-Tilt capability

Provides wide area coverage for efficient monitoring from a single camera.

Zoom lens allows users to monitor small or distant objects with exceptional clarity.

#### Sales Features

- > Pan focus x3 optical zoom lens
- > 1/4 type Progressive Scan CCD
- > JPEG, MPEG4
- > 18fps JPEG, 15fps MPEG4 at VGA resolution
- > 30fps JPEG/MPEG4 at QVGA resolution

#### Additional Features

- > Pan/Tilt
- > Optical zoom
- > Motion Detection
- > Audio

## SNC-P5



# SNC-RZ25P Specifications

## General

Mass	Approx. 1.3 kg (2 lb. 14 oz)
Dimensions (W x H x D)	84 x 69 x 196 mm (3 3/8" x 2 3/4" x 7 3/4") excl. cover equipment 84 x 69 x 265 mm (3 3/8" x 23/4" x 10 1/2") incl. cover equipment
Power requirements	AC 24 V, DC 12 V
Power consumption	17 W max.
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	20% to 80%, Non-condensing
Storage humidity	20% to 95%, Non-condensing

## Image Data

Compression	MPEG4/JPEG (selectable)
Image Resolution	640 x 480, 480 x 360, 384 x 288, 320 x 240, 256 x 192, 160 x 120 (both JPEG and MPEG4)
Frame rate	JPEG: 25 fps (320 x 240) 18 fps (640 x 480)

## Camera

Image device	1/4 type CCD ExwaveHAD CCD
Number of effective pixels	444,000 (752 x 582)
Electronic shutter	1/1 to 1/10,000 sec
Iris	Auto (Manual (F1.4 close)
Gain	Auto/Manual (-3 dB to 28 dB)
Focus Mode	Auto/Manual (Near, Far, One Push Auto Focus)

## Lens

Zoom Ratio	18x optical zoom (216x with digital zoom)
Focal length	f=4.1 mm to 73.8 mm
F-number	F1.4 (wide), F3.0 (tele)
Minimum object distance	300 mm (wide), 800 mm (tele)

## Pan/Tilt

Pan angle	-170 to +170 degrees
Pan speed	100° rotation/second
Tilt angle	-90 to +30 degrees
Tilt speed	90° rotation/second

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
PCMCIA	Compact Flash for storage or wireless
Sensor and I/O	Sensor in x 2, Alarm out x 2
Video Output	BNC x1, composite video 1.0 Vp-p, 75 Ω
Serial I/F	RS-232C (R x D, T x D)

## Analogue Video Output

Signal system	PAL (Composite)
Sync system	Internal
Horizontal resolution	More than 470 TV lines
S/N ratio	More than 50 dB
Minimum illumination	Colour: 0.7 lx (50IRE, F1.4: AGC on)

## System Network

Browser	MS Internet Explorer v 5.5 and 6.0 or later
Security	IP-filtering, Password protection
Protocols supported	IP(IPv4), ICMP, ARP, TCP/UDP, RTP/RTCP, SNMP (MIB-2) DHCP client, NTP client, DNS client, HTTP, FTP, SMTP client

## Supplied accessories

Ceiling mount kit, CD-ROM (user guide, set up and SNC panorama creator software), Installation manual

## Optional accessories

SNCA-CFW1 Wireless Card, SNCA-AN1, Wireless LAN Antenna (for use with SNCA-CFW1 Wireless Card)

## Network Pan-Tilt-Zoom Camera

Ideal for web casting and remote monitoring applications from practically anywhere; airports, train stations, factories, supermarkets. And outdoor locations as well - from street corners to car parks.

### Sales Features

- > Auto-focus x 18 optical zoom lens
- > 1/4 type Exwave HAD® CCD
- > JPEG, MPEG4
- > 18fps JPEG, 15fps MPEG4 at VGA resolution
- > 25fps JPEG/MPEG4 at QVGA resolution

### Additional Features

- > Pan/Tilt
- > Zoom
- > Motion Detection
- > Day/Night
- > Audio
- > JPEG, MPEG4
- > Compact Flash Slot

## SNC-RZ25P



# SNC-RZ30P Specifications

## General

Mass	1.2 kg (2 lb 10 oz)
Dimensions (W x H x D)	140 x 175 x 144 mm (5 5/8" x 7" x 5 3/4")
Power requirements	DC 12 V via AC adaptor (100 to 240 V)
Power consumption	21.6 W
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	20% to 80% Non-condensing
Storage humidity	20% to 95% Non-condensing

## Image Data

Compression	M-JPEG
Compression ratio	1/5 ~ 1/60 (10 steps)
Image Resolution	736 x 544 (Auto), 736 x 544 (Frame), 736 x 544 (Field), 640 x 480 (Auto), 640 x 480 (Frame), 640 x 480 (Field), 320 x 240, 160 x 120
Frame rate	Max. 25 fps (640 x 480)

## Camera

Image device	1/6 type Interline Transfer SuperHAD CCD
Number of effective pixels	800
Electronic shutter	1 /3 to 1/10,000 sec
Exposure	Auto [Full Auto (including backlight compensation), Shutter-priority, Iris-priority] and manual
White balance	Auto, ATW, Indoor, Outdoor, One-push (trigger command), Manual
Iris	Auto/Manual (F1.6 to close)
Gain	Auto/Manual (-3 dB to 28 dB)
Focus mode	Auto/Manual (Near, Far, One-push Auto Focus)

## Lens

Pan angle	-170° to +170°
Pan speed	2 sec./340°
Tilt angle	-25° to +90°
Tilt speed	1.5 sec./115°

## Pan/Tilt

Pan angle	-170° to +170°
Pan speed	300 degrees/s (max.)
Tilt angle	-90 to +25 degrees
Tilt speed	300 degrees/s (max.)

## Interfaces

Ethernet	10Base-T / 100Base-Tx (RJ-45)
PCMCIA	Type II x 2
Sensor and I/O	Sensor input x 3, Sensor output x 2
Video Output	Analogue composite (BNC x 1)
Serial I/F	RS-232C/RS-485 transparent port

## Analogue Video Output

Signal system	PAL
Sync system	Internal
Horizontal resolution	480 TV lines
S/N ratio	More than 48 dB
Minimum illumination	Colour: 3 lux at F1.6 (50 IRE), B/W: 0.18 lux at F1.6 (50 IRE)

## System Network

Browser	MS Internet Explorer v 5.5 and 6.0 (Windows98/ME/NT4.0/2000/VISTA)
Security	IP-filtering, Password protection
Protocols supported	TCP/IP, HTTP, ARP, ICMP, DHCP, FTP, SMTP and SNMP (Standard MIB)

## Supplied accessories

Ceiling mount kit, AC power adaptor, AC power cable, CD-Rom (Set up programme and User's guide), I/O receptacle

## Optional accessories

Installation manual, Ferrite core, MSA-64A Memory Stick (64 MB), MSAC-PC2 Memory Stick/PC Card Adaptor

### Network Pan-Tilt-Zoom Camera

Combines network functionality with Pan,Tilt and Zoom capability. A high frame rate setting also makes this camera an excellent solution for high-end remote monitoring.

#### Sales Features

- > Auto-focus x 25 optical zoom lens
- > 1/6 type Super HAD® CCD
- > JPEG
- > 25fps JPEG/MPEG4 at VGA resolution

#### Additional Features

- > Pan/Tilt
- > Zoom
- > Motion Detection
- > Day/Night
- > PCMCIA Type II x2 Wireless option and memory expansion
- > Audio
- > JPEG

## SNC-RZ30P



# SNC-RZ50P Specifications

## General

Mass	1.2 kg (2 lb 10 oz)
Dimensions (W x H x D)	140 x 166 x 142 mm (5 5/8" x 6 5/8" x 5 5/8")
Power requirements	DC 12 V
Power consumption	20 W max.
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	20% to 80% Non-condensing
Storage humidity	20% to 95% Non-condensing

## Image Data

Compression	JPEG, MPEG4, H.264
Compression ratio	-
Image Resolution	JPEG/MPEG4: 640 x 480, 384 x 288, 320 x 240, 160 x 120 H264: 640 x 480, 320 x 240, 160 x 120
Frame rate	JPEG/MPEG4 25 fps (640 x 480) H.264 8 fps (640 x 480)

## Camera

Imager	1/4-type Super HAD CCD
Pixels	740,000 pixels (total), 400,000 (702 X 575) (effective)
Electronic shutter	Electronic shutter
Exposure	Auto (Full auto, Shutter-priority, Iris-priority), Manual, EV compensation, Backlight compensation
White balance	Auto, Indoor, Outdoor, One-push WB, ATW, Manual
Iris	Auto/Manual (F1.6 to close)
Gain	Auto/Manual (-3 dB to 28 dB)
Focus mode	Auto-focus zoom

## Lens

Zoom Ratio	26x optical zoom (312x with digital zoom)
Horizontal viewing angle	1.7° to 42.0°
Focal length	f=3.5 to 91.0 mm
F-number	F1.6 (wide), F3.8 (tele)
Minimum object distance	320 mm (wide), 1,500 mm (tele)

## Pan/Tilt

Pan angle	-170° to +170°
Pan speed	300 degrees/s (max.)
Tilt angle	-90 to +25 degrees
Tilt speed	300 degrees/s (max.)

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
PCMCIA	PC card x1, CF card x1
Sensor and I/O	Sensor in x 2, Alarm out x 2
Video Output	BNC x1, 1.0 Vp-p, 75 Ω
Serial I/F	RS-232C (Transparency function or VISCA protocol)

## Analogue Video Output

Signal system	PAL (Composite)
Sync system	Internal
Horizontal resolution	450 TV lines
S/N ratio	more than 50 dB
Minimum illumination	Colour: 2.2 lx (50 IRE, F1.6, AGC ON), B/W: 0.3 lx (50 IRE, F1.6, AGC ON)

## System Network

Browser	Microsoft Internet Explorer® Ver.6.0 or higher
Security	IP-filtering, Password protection + PKI Chip
Protocols supported	TCP/IP, HTTP, HTTPS, ARP, ICMP, DHCP, FTP, SMTP and SNMP (Standard MIB)

## Supplied accessories

Ceiling-mount bracket(A), Ceiling-mount bracket(B), Screws x6, Wire rope, AC Adaptor, AC Cable, CD-ROM (setup software, operation manual), Installation manual, Mount bracket cover, Shoulder screw, Plug retainer, Rubber feet x4

## Optional accessories

SNCA-CFW1 Wireless LAN Card, SNCA-AN1 Wireless LAN Antenna Optional accessory for the SNCA-CFW1 Wireless LAN Card) YT-ICB550/T In-ceiling Mount Kit (tinted dome), YT-ICB550/C In-ceiling Mount Kit (clear dome), YT-MA550 Adaptor for the YT-ICB550, SNCA-CFW5 Wireless LAN Card

## Intelligent Network Pan-Tilt-Zoom Camera

New functions such as Intelligent Motion Detection and Intelligent Object Detection allow users to benefit from intelligent monitoring in a wide range of surveillance applications.

### Sales Features

- > Auto-focus x 26 optical zoom lens
- > 1/4 type Super HAD® CCD
- > JPEG, MPEG4 and H.264
- > 25fps JPEG/MPEG4 at VGA resolution
- > 8fps H.264 at VGA resolution

### Additional Features

- > Pan/Tilt
- > Zoom
- > Intelligent Motion Detection
- > Intelligent Object Detection
- > Voice Alert
- > Privacy Zone Masking
- > Day/Night
- > Audio
- > JPEG, MPEG4, H.264
- > Dual Streaming

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## SNC-RZ50P



# SNC-RX530P Specifications

## General

Mass	2.2 kg (4 lb 13 oz)
Dimensions (W x H x D)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)
Body colour	B/W
Power requirements	AC 24 V/DC 12 V
Power consumption	24 W max.
Operating temperature	0°C to 50°C (14°F to 122°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)

## Image Data

Compression	JPEG, MPEG4, H.264
Image Resolution	JPEG/MPEG4: 640 x 480, 384 x 288, 320 x 240, 160 x 120 H264: 640 x 480, 320 x 240, 160 x 120
Frame rate	
JPEG/MPEG4	25 fps (640 x 480)
H.264	8 fps (640 x 480)

## Camera

Image device	1/4-type Exwave HAD CCD
Number of effective pixels	440,000 (752 x 582)
Electronic shutter	1 to 1/10,000 s
Gain control	Auto/Manual (-3 dB 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 auto, ATW/Manual
Lens type	Auto-focus zoom lens

## Lens

Zoom ratio	18x optical zoom (216x with digital zoom)
Horizontal viewing angle	2.8 to 48 degrees
Focal length	f=4.1 to 73.8 mm
F-number	F1.4 (wide), F3.0 (tele)
Minimum object distance	290 mm (wide), 800 mm (tele)

## Pan/Tilt

Pan angle	360 degrees endless rotation
Pan speed	300 degrees/s (max.)
Tilt angle	-90 to 0 degrees
Tilt speed	300 degrees/s (max.)
Other functions	Day/Night, Advanced Video Motion Detection, Unattended Object Detection, Anti-tampering, Image stabilizer, Position preset

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Serial interface	RS-232C (Transparency function or VISCA protocol)
Card slots	PC card x 1, Memory Stick x 1
Analogue video output	BNC x 1, 1.0 Vp-p, 75 Ω
External microphone input	Mini-jack (monaural, 2.2 kΩ 2.5 V plug-in power)
Audio line output	Mini-jack (monaural), max output level: 1 Vrms

## Analogue Video Output

Signal system	PAL (Composite)
Horizontal resolution	460 TV lines
S/N ratio	more than 50 dB
Min. illumination	Colour: 0.7 lx (50IRE, F1.4, AGC ON), B/W: 0.15 lx (50IRE, F1.4, AGC ON)

## System Requirements

Operating system	Microsoft® Windows® 2000/XP/VISTA
Processor	CPU: Intel® Pentium® IV 1.5 GHz or higher
Memory	RAM: 256 MB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or higher

## Supplied accessories

AC adaptor (x 1), CD-ROM (x 1, setup program and user guide), Stand (x 1)

## Intelligent Network Pan-Tilt-Zoom Camera

Bringing Security technology full-circle with 360° endless pan capability, the SNC-RX530P is a powerful, intelligent, high speed PTZ camera.

### Sales Features

- > Auto-focus x 18 optical zoom lens
- > 1/4 type Super HAD CCD
- > JPEG, MPEG4 and H.264
- > 25fps JPEG/MPEG4 at VGA resolution
- > 8fps H.264 at VGA resolution

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### Additional Features

- > Pan/Tilt
- > Zoom
- > Intelligent Motion Detection
- > Intelligent Object Detection
- > Voice Alert
- > Privacy Zone Masking
- > Day/Night
- > Wireless
- > Audio
- > JPEG
- > MPEG4
- > H.264
- > Dual Streaming

## SNC-RX530P



# SNC-RX550P Specifications

## General

Mass	2.2 kg (4 lb 13 oz)
Dimensions (W x H x D)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)
Body color	B/W
Power requirements	AC 24 V/DC 12 V
Power consumption	25 W max.
Operating temperature	0°C to 50°C (14°F to 122°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)

## Image Data

Compression	JPEG, MPEG4, H.264
Image Resolution	JPEG/MPEG4: 640 x 480, 384 x 288, 320 x 240, 160 x 120 H264: 640 x 480, 320 x 240, 160 x 120
Frame rate	
JPEG/MPEG4	25 fps (640 x 480)
H.264	8 fps (640 x 480)

## Camera

Image device	1/4-type Exwave HAD CCD
Number of effective pixels	440,000 (752 x 582)
Electronic shutter	1 to 1/10,000 s
Gain control	Auto/Manual (-3 dB to +28 dB)
Exposure	Auto (Full auto, Shutter-priority, Iris-priority), Manual, EV compensation, Backlight compensation
White balance	Auto, Indoor, Outdoor, One-push auto, ATW/Manual
Iris	Auto-focus zoom lens

## Lens

Zoom ratio	26x optical zoom (312x with digital zoom)
Horizontal viewing angle	2.2 to 54.2 degrees
Focal length	f=3.5 to 91.0 mm
F-number	F1.6 (wide), F3.8 (tele)
Minimum object distance	320 mm (wide), 1,500 mm (tele)

## Pan/Tilt

Pan angle	360 degrees endless rotation
Pan speed	300 degrees/s (max.)
Tilt angle	-90 to 0 degrees
Tilt speed	300 degrees/s (max.)
Other functions	Day/Night, Advanced Video Motion Detection, Unattended Object Detection, Anti-tampering, Image stabilizer, Position preset

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Serial interface	RS-232C (Transparency function or VISCA protocol)
Card slots	PC card x1, Memory Stick x1
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω
External microphone input	Mini-jack (monaural, 2.2 kΩ 2.5 V plug-in power)
Audio line output	Mini-jack (monaural), max output level: 1 Vrms

## Analogue Video Output

Signal system	PAL (Composite)
Horizontal resolution	460 TV lines
S/N ratio	50 dB
Min. illumination	Colour: 1 lx (50IRE, F1.6, AGC ON), B/W: 0.15 lx (50IRE, F1.6, AGC ON)

## System Requirements

Operating system	Microsoft® Windows® 2000/XP/VISTA
Processor	CPU: Intel® Pentium® IV 1.5 GHz or higher
Memory	RAM: 256 MB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or higher

## Supplied accessories

Ceiling-mount bracket (A), Ceiling-mount bracket (B), Screws x6, Wire rope, CD-ROM (setup software), Operation manual, Installation manual

## Intelligent Network Pan-Tilt-Zoom Camera

Bringing security technology full-circle with 360°endless pan capability, this is a powerful, intelligent, high-speed PTZ camera. It boasts the most advanced features in the line-up.

### Sales Features

- > Auto-focus x 26 optical zoom lens
- > 1/4 type Exwave HAD® CCD
- > JPEG, MPEG4 and H.264
- > 25fps JPEG/MPEG4 at VGA resolution
- > 8fps H.264 at VGA resolution

### Additional Features

- > Pan/Tilt
- > Zoom
- > Intelligent Motion Detection
- > Intelligent Object Detection
- > Voice Alert
- > Privacy Zone Masking
- > Day/Night
- > PC Card Slot x2
- > Audio
- > JPEG, MPEG4, H.264
- > Dual Streaming
- > Also available in black

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## SNC-RX550P



# SNC-RX570P Specifications

## General

Mass	2.2 kg (4 lb 13 oz)
Dimensions (W x H x D)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)
Body colour	B/W
Power requirements	AC 24 V/DC 12 V
Power consumption	27 W max.
Operating temperature	0°C to 50°C (14°F to 122°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)

## Image Data

Compression	JPEG, MPEG4, H.264
Image Resolution	JPEG/MPEG4: 640 x 480, 384 x 288, 320 x 240, 160 x 120 H264: 640 x 480, 320 x 240, 160 x 120
Frame rate	
JPEG/MPEG4	25 fps (640 x 480)
H.264	8 fps (640 x 480)

## Camera

Image device	1/4-type Exwave HAD CCD
Number of effective pixels	440,000 (752 x 582)
Electronic shutter	1 to 1/10,000 s
Gain control	Auto/Manual (-3 dB 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 auto, ATW/Manual
Lens Type	Auto-focus zoom lens

## Lens

Zoom ratio	36x optical zoom (432x with digital zoom)
Horizontal viewing angle	1.7 to 57.8 degrees
Focal length	f=3.4 to 122.4 mm
F-number	F1.6 (wide), F4.5 (tele)
Minimum object distance	320 mm (wide), 1,500 mm (tele)

## Pan/Tilt

Pan angle	360 degrees endless rotation
Pan speed	300 degrees/s (max.)
Tilt angle	-90 to 0 degrees
Tilt speed	300 degrees/s (max.)
Other functions	Day/Night, Advanced Video Motion Detection, Unattended Object Detection, Anti-tampering, Image stabilizer, Position preset

## Interfaces

Ethernet	10Base-T/100Base-TX (RJ-45)
Serial interface	RS-232C (Transparency function or VISCA protocol)
Card slots	PC card x1, Memory Stick x1
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω
External microphone input	Mini-jack (monaural, 2.2 kΩ 2.5 V plug-in power)
Audio line output	Mini-jack (monaural), max output level: 1 Vrms

## Analogue Video Output

Signal system	PAL (Composite)
Horizontal resolution	530 TV lines
S/N ratio	more than 50 dB
Min. illumination	Colour: 1.4 lx (50IRE, F1.6, AGC ON), B/W: 0.15 lx (50IRE, F1.6, AGC ON)

## System Requirements

Operating system	Microsoft® Windows® 2000/XP/VISTA
Processor	CPU: Intel® Pentium® IV 1.5 GHz or higher
Memory	RAM: 256 MB or more
Web browser	Microsoft Internet Explorer® Ver. 6.0 or higher

## Supplied accessories

Ceiling-mount bracket (A), Ceiling-mount bracket (B), Screws x6, Wire rope, CD-ROM (setup software), Operation manual, Installation manual

## Intelligent Network Pan-Tilt-Zoom Camera

Bringing Security technology full-circle with 360° endless pan capability, the SNC-RX570P is a powerful, intelligent, high speed PTZ camera.

### Sales Features

- > Auto-focus x 36 optical zoom lens
- > Wide Dynamic Range with Dynaview™ Technology
- > 1/4 type Super HAD CCD
- > JPEG, MPEG4 and H.264
- > 25fps JPEG/MPEG4 at VGA resolution
- > 8fps H.264 at VGA resolution

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### Additional Features

- > Pan/Tilt
- > Zoom
- > Intelligent Motion Detection
- > Intelligent Object Detection
- > Voice Alert
- > Privacy Zone Masking
- > Day/Night
- > Wireless
- > Audio
- > JPEG
- > MPEG4
- > H.264
- > Dual Streaming

## SNC-RX570P



# SNT-V704 Specifications

## General

Mass	Approx. 1.2 kg (2 lb 10 oz)
Dimensions (W/H/D)	210 x 42 x 202 mm (8 3/8 x 1 11/16 x 8")
Power requirement	DC 12 V (AC adapter included)
Power consumption	18 W
Operating temperature	-10 to 40°C (14 to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	20 to 80 %, Non-condensing
Storage humidity	20 to 95 %, Non-condensing

## Analogue Video Interface

Video input	Analogue composite (BNC x 4), 1.0 Vp-p, 75Ω, unbalanced, sync negative, Auto sensor for NTSC or PAL
Video output	Analogue composite (BNC x 4), 1.0 Vp-p, 75 Ω, unbalanced, sync negative (loop-through)

## System Network

Image size	720 x 576, 640 x 480, 320 x 240 pixels
Compression method	JPEG/MPEG4
Compression ratio	Variable in*
Frame rate	Max. 25 fps x 4ch (640 x 480) (JPEG/MPEG4)
Protocols	TCP/IP, ARP, ICMP, HTTP, FTP (server/client), SMTP, DHCP, DNS, NTP, SNMP (MIB-2)
Number of clients	Max. 50

## Interfaces

Ethernet	100Base-TX/10Base-T (RJ-45)
Sensor input	4 (3.3 to 24 V device supported, photocoupler inputs are electrically isolated from this unit)
Alarm output	4 (24 V DC or less, 1, 1 A, mechanical relay outputs electrically isolated from the camera)
Serial interface	RS-232C/485/422 (for camera control)
PC card slot	N/A
USB Port	USB 2.0 (for use with USB mass storage class devices only)

\* The compression ratio is based on an image of 24 bits/picture element (8 bits for each R, G and B)

## Four Channel Video Network Station

Remotely monitor and control up to 4 analogue cameras over the network providing outstanding flexibility for your IP-based monitoring system.

### Sales Features

- > Up to four analogue video inputs with leap-through
- > JPEG, MPEG4 compressed images
- > 25 fps at VGA resolution x 4 ch.

### Additional Features

- > 3rd Party Pan/Tilt/Zoom (PTZ) Camera Control
- > Audio
- > Dynamic Masking Function
- > Image Transfer
- > Network Security Functions
- > USB Mass Storage
- > Alarm input/output

## SNT-V704





## Network Video Recorders



# NSR-25, NSR-25/500GB Specifications

## General

Mass	11 kg (24 lb 4 oz)
Dimensions (W x H x D)	430 x 87 x 417 mm (17 x 3 ½ x 16 ½) excluding protrusions
Power requirement	100 to 127/200 to 240 V AC
Power consumption	1.6 A/0.9 A
Operating temperature	5 to 40°C (41 to 104°F)
Operating humidity	10 to 80% (non-condensing)

## Video/Recording

IP Cameras Supported <sup>*1</sup>	Up to 20 cameras for standalone use (Up to 20 cameras for client/server system)
Video Compression	MPEG4 or JPEG
Maximum Recording Rate <sup>*1*2</sup>	100 fps for standalone use (120 fps for client/server system)

## Hard Disk Drives

Physical Capacity NSR-25	250 GB
Physical Capacity NSR-25/500GB	500 GB
Interface	Serial ATA
RAID Level/Recording	N/A
Capacity (Approx.)	
NSR-25	210 GB
NSR-25/500GB	440 GB
External Storage	NAS (via CIFS protocol)

## Video Interface

Monitor OUT	#1	RGB connector x 1
	#2	RGB connector x 1
Video Output		N/A
Analogue Composite OUT		N/A

## Audio Interface

Line OUT	RCA-pin, L/R x1 stereo pair (rear)
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## Sensor/Alarm

Sensor IN	8-channel photo-coupler (DC3.3-24V)
Alarm OUT	8-channel relay (Max. 24V 1A)

## Other Interface

Ethernet	1000Base-T/100Base-TX/10Base-T x1
USB	Rear x2
Serial interface	RS-232C x1 (for UPS) <sup>*3</sup>

<sup>\*1</sup> Standalone is the usage of local operation with NSR local GUI.

Client/server is the usage of the remote operation without NSR local GUI.

<sup>\*2</sup> Recording frame rates shown in the table represents the total frame rate per recorder unit when recording images at JPEG, Level 5 using the SNC-RZ30.

Recording frame rate is less when you use audio or VMF together with video.

<sup>\*3</sup> Please contact your local Sony sales office for a list of recommended UPS systems.

## Supplied accessories

Front panel key, Installation guide, Remote control unit operation card, Recovery CD, Manual/Tool, Rubber feet (4)

## Network Surveillance Recorder

Providing flexibility for small to medium-sized installations, this network surveillance recorder can support up to 20 IP cameras and 120 frames per second, making it perfect for a broad range of security applications, in locations such as banks, retail outlets, transportation centres and offices.

### Sales Features

- > Supports both MPEG4 video and JPEG compressed images
- > 100 fps for standalone use (eg 4 cameras x 25 fps) (120 fps for client/server system)
- > 250 GB Hard Disc Drive

### Additional Features

- > Up to 20 cameras for standalone use (Up to 20 cameras for client/server system)
- > Intelligent Video Analysis
- > Privacy Masking Function
- > Easy to use "Intelligent Setup"
- > RM-NS10 Optional Keyboard

### NSR-25/500GB

- > The NSR-25 is also available with an additional hard disk drive which gives it a physical capacity of 500GB
- > RM-NS10 Optional Keyboard

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## NSR-25 NSR-25/500GB



# NSR-50 Specifications

## General

Mass	Approx. 12 kg (26 lb 7 oz)
Dimensions (W x H x D)	430 x 87 x 417 mm (17 x 3 ½ x 16 ½) excluding protrusions
Power requirement	100 to 127/200 to 240 V AC
Power consumption	1.93 A / 0.99 A
Operating temperature	5 to 40°C (41 to 104°F)
Operating humidity	10 to 80% (non-condensing)

## Video/Recording

IP Cameras Supported <sup>*1</sup>	Up to 32 cameras for standalone use (Up to 32 cameras for client/server system)
Video Compression	MPEG4 or JPEG
Maximum Recording Rate <sup>*1*2</sup>	120 fps for standalone use (240 fps for client/server system)

## Hard Disk Drives

Physical Capacity	500 GB (250 GB x 2)
Interface	Serial ATA
RAID Level/Recording	Software RAID
Capacity (Approx.)	SPAN (Default): 430 GB RAID 1: 210 GB
External Storage	NAS (via CIFS protocol)

## Video Interface

Monitor OUT	#1	RGB connector x2 (Front and Rear Panel, cannot be used simultaneously)
	#2	RGB connector x1
Video Output		S-Video x1
Analogue Composite		RCA-pin x2 (Front and Rear Panel, cannot be used simultaneously)

## Audio Interface

Line OUT	RCA-pin, L/R x1 stereo pair, (front and rear panel)
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## Sensor/Alarm

Sensor IN	8-channel photo-coupler (DC3.3-24V)
Alarm OUT	8-channel relay (Max. 24V 1A)

## Other Interface

Ethernet	1000Base-T/100Base-TX/10Base-T x3 (automatic switching)
USB	Front x2, Rear x2
Serial interface	RS-232C x1 (for UPS) <sup>*3</sup>

\*1 Standalone is the usage of local operation with NSR local GUI.

Client/server is the usage of the remote operation without NSR local GUI.

\*2 Recording frame rates shown in the table represents the total frame rate per recorder unit when recording images at JPEG, Level 5 using the SNC-RZ30. Recording frame rate is less when you use audio or VMF together with video.

\*3 Please contact your local Sony sales office for a list of recommended UPS systems.

## Supplied accessories

Front panel key, Installation guide, Remote control unit operation card, Recovery CD, Manual/Tool, Rubber feet (4)

## Network Surveillance Recorder

This recorder achieves a maximum 240 fps and can support up to 32 IP cameras. It also supports the Real Shot Manager® client/controller software, making it possible to remotely view, control, record and playback images on a client PC.

### Sales Features

- > Supports both MPEG4 video and JPEG compressed images
- > 120 fps for standalone use (eg 6 cameras x 20 fps) (240 fps for client/server system)
- > 500 GB Hard Disc Drive

### Additional Features

- > Up to 32 cameras for standalone use (Up to 32 cameras for client/server system)
- > Intelligent Video Analysis
- > Privacy Masking Function
- > Easy to use "Intelligent Setup"
- > 3 Gbit Ethernet ports with dedicated NAS output
- > RM-NS10 Optional Keyboard

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## NSR-50



# NSR-100 Specifications

## General

Mass	Approx. 13 kg (28 lb 11 oz)
Dimensions (W x H x D)	430 x 87 x 417 mm (17 x 3 ½ x 16 ½) excluding protrusions
Power requirement	100 to 127/200 to 240 V AC
Power consumption	2.77 A / 1.39 A
Operating temperature	5 to 40°C (41 to 104°F)
Operating humidity	10 to 80% (non-condensing)

## Video/Recording

IP Cameras Supported <sup>*1</sup>	Up to 48 cameras for standalone use (Up to 64 cameras for client/server system)
Video Compression	MPEG4 or JPEG
Maximum Recording Rate <sup>*1*2</sup>	240 fps for standalone use (480 fps for client/server system)

## Hard Disk Drives

Physical Capacity	1 TB (250 GB x 4)
Interface	Serial ATA
RAID Level/Recording Capacity (Approx.)	Hardware RAID (Hot Swappable when set to RAID 5 or RAID 1) RAID 5 (Default): 670 GB RAID 1: 450 GB RAID 0: 900 GB
External Storage	NAS (via CIFS protocol)

## Video Interface

Monitor OUT	#1	RGB connector x2 (Front and Rear Panel, cannot be used simultaneously)
	#2	RGB connector x 1
Video Output		S-Video x1
Analogue Composite		RCA-pin x2 (Front and Rear Panel, cannot be used simultaneously)

## Audio Interface

Line OUT	RCA-pin, L/R x1 stereo pair, (front and rear panel)
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## Sensor/Alarm

Sensor IN	8-channel photo-coupler (DC3.3-24V)
Alarm OUT	8-channel relay (Max. 24V 1A)

## Other Interface

Ethernet	1000Base-T/100Base-TX/10Base-T x3 (automatic switching)
USB	Front x2, Rear x2
Serial interface	RS-232C x1 (for UPS) <sup>*3</sup>

<sup>\*1</sup> Standalone is the usage of local operation with NSR local GUI.

Client/server is the usage of the remote operation without NSR local GUI.

<sup>\*2</sup> Recording frame rates shown in the table represents the total frame rate per recorder unit when recording images at JPEG, Level 5 using the SNC-RZ30. Recording frame rate is less when you use audio or VMF together with video.

<sup>\*3</sup> Please contact your local Sony sales office for a list of recommended UPS systems.

## Supplied accessories

Front panel key, Installation guide, Remote control unit operation card, Recovery CD, Manual/Tool, Rubber feet (4)

## Network Surveillance Recorder

The NSR Series is the ideal solution for multi-camera monitoring, recording and playback. Each model is capable of operating as a standalone unit or as a client/server. The larger NSR-100 can manage 64 cameras simultaneously, recording up to 480 frames per second.

### Sales Features

- > Supports both MPEG4 video and JPEG compressed images
- > 240 fps for standalone use (eg 12 cameras x 20 fps) (480 fps for client/server system)
- > 1000 GB Hard Disc Drive

### Additional Features

- > Up to 48 cameras for standalone use (Up to 64 cameras for client/server system)
- > Intelligent Video Analysis
- > Privacy Masking Function
- > Easy to use "Intelligent Setup"
- > 3 Gbit Ethernet ports with dedicated NAS output
- > RM-NS10 Optional Keyboard

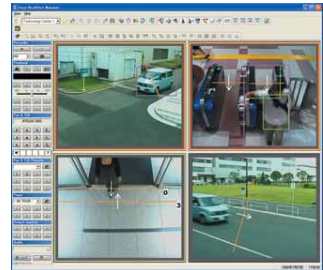
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## NSR-100





## RealShot Manager



# IMZ-RS400 Specifications

## System Requirements

Operating system	Windows XP Professional (except x64 edition), Windows Server 2003 (except x64 edition), Windows 2000 Server, Windows 2000 Professional, Windows Vista (Business, Enterprise)
Processor	CPU: Intel Pentium IV 2.4 GHz or higher
Memory	RAM: 512 MB or more
HDD	2 GB spare capacity
Video Card	1024 x 768, 16/24-bit colour
Network Interface	100Base-TX Card (NIC)
Display	Full-colour display

## Software Packages

IMZ-RS401M	Control PC software for 1 networked video source
IMZ-RS404M	Control PC software for up to 4 networked video sources
IMZ-RS409M	Control PC software for up to 9 networked video sources
IMZ-RS416M	Control PC software for up to 16 networked video sources
IMZ-RS432M	Control PC software for up to 32 networked video sources

## Optional Software Modules

Media File Player	Software module for image playback only
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## RealShot Manager

This software, with its multi-camera capability, offers a variety of convenient features that allows professionals in many fields such as security, industrial, retail, and education to build a powerful video monitoring system that runs over a computer network.

### Sales Features

- > Intelligent Video Motion Filter Alarm
- > Intelligent Motion Detection
- > "Hot Spot" Monitoring/Dual Monitor Support

### Additional Features

- > Camera PTZ Control
- > Privacy Zone Masking Function
- > Audio Support
- > Manual Recording
- > Scheduled Recording
- > Alarm and Pre-Alarm Recording
- > Intelligent Video Motion Filter Search
- > Easy and Quick Search of Recorded Images
- > Playback While Recording
- > Multiple Camera Playback
- > AVI File Support
- > User Privileges
- > Application Programming Interface (API)  
available on request

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## IMZ-RS400 Series





## Analogue Video Cameras



## SSC-M183CE, SSC-M188CE Specifications

### General

Mass	360 g (13 oz)	390 g (14 oz)
Dimensions (W x H x D)	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")
Power requirements	AC 24 V $\pm$ 10%, 50 Hz or DC 12 V $\pm$ 10%	AC 220 V to 240 V $\pm$ 10%, 50 Hz
Power consumption	2.5 W	2.5 W
Operating temperature	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)
Storage temperature	-40 to 60°C (-40 to 140°F)	-40 to 60°C (-40 to 140°F)

### Camera

Image device	1/3 type Interline Transfer CCD	1/3 type Interline Transfer CCD
Picture elements (H x V)	500 x 582	500 x 582
Auto Gain Control	ON/OFF (switchable)	ON/OFF (switchable)
Lens mount	CS	CS

### CCD Iris

Back-Light Compensation (BLC)	ON/OFF switchable	ON/OFF switchable
Video out	1.0 Vp-p; 75 $\Omega$ , sync. negative	1.0 Vp-p; 75 $\Omega$ , sync. negative
Sensing area	1/3 type format (4.8 x 3.6 mm)	1/3 type format (4.8 x 3.6 mm)
Signal system	CCIR standard	CCIR standard
Sync. System	INT/LL	LL
Horizontal resolution	380 TV lines	380 TV lines
S/N ratio	More than 50 dB (AGC OFF, weight ON)	More than 50 dB (AGC OFF, weight ON)
Minimum illumination	0.03 lux at F1.2 (30 IRE, AGC ON, Turbo mode) 0.06 lux at F1.2 (50 IRE, AGC ON, Turbo mode) 0.25 lux at F1.2 (100 IRE, AGC ON, Turbo mode)	0.03 lux at F1.2 (30 IRE, AGC ON, Turbo mode) 0.06 lux at F1.2 (50 IRE, AGC ON, Turbo mode) 0.25 lux at F1.2 (100 IRE, AGC ON, Turbo mode)
Auto iris lens	DC/video servo switchable	DC/video servo switchable

### Supplied accessories

#### For the SSC-M183CE

Lens mount cap (x 1), Operating instructions (x 1)

#### For the SSC-M188CE

Lens mount cap (x 1), Operating instructions (x 1)

### **Black and White Camera**

Offers dependable, high picture quality and sensitivity with a stylish, lightweight, compact design. What's more that high picture quality is available at a competitive price.

#### **Sales Features**

- > DC/Video servo auto iris CS-mount lens
- > 1/3 type IT SuperHAD CCD
- > 380 TV lines
- > Minimum illumination: 0.06 lux

#### **Additional Features**

- > Back-Light Compensation
- > Turbo Auto Gain Control (AGC)
- > CCD IRIS function
- > Wide range CCD IRIS

## **SSC-M183CE** **SSC-M188CE**



## SSC-M383CE, SSC-M388CE Specifications

### General

Mass	360 g (13 oz)	390 g (14 oz)
Dimensions (W x H x D)	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")
Power requirements	AC 24 V $\pm$ 10%, 50 Hz or DC 12 V $\pm$ 10%	AC 220 V to 240 V $\pm$ 10%, 50 Hz
Power consumption	2.6 W	2.6 W
Operating temperature	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)
Storage temperature	-40 to 60°C (-40 to 140°F)	-40 to 60°C (-40 to 140°F)

### Camera

Image device	1/3 type Interline Transfer CCD	1/3 type Interline Transfer CCD
Picture elements (H x V)	752 x 582	752 x 582
Auto Gain Control	ON/OFF (switchable)	ON/OFF (switchable)
Lens mount	CS	CS
CCD IRIS	ON/OFF (switchable), 1/50 to 1/100,000 s	ON/OFF (switchable), 1/50 to 1/100,000 s

Back-Light Compensation (BLC)	ON/OFF switchable	ON/OFF switchable
Video out	1.0 Vp-p; 75 $\Omega$ , sync. negative	1.0 Vp-p; 75 $\Omega$ , sync. negative
Sensing area	1/3 type format (4.8 x 3.6 mm)	1/3 type format (4.8 x 3.6 mm)
Signal system	CCIR standard	CCIR standard
Sync. System	INT/LL	LL
Horizontal resolution	570 TV lines	570 TV lines
S/N ratio	More than 50 dB (AGC OFF, weight ON)	More than 50 dB (AGC OFF, weight ON)
Minimum illumination	0.04 lux at F1.2 (30 IRE, AGC ON, Turbo mode)	0.04 lux at F1.2 (30 IRE, AGC ON, Turbo mode)
	0.07 lux at F1.2 (50 IRE, AGC ON, Turbo mode)	0.07 lux at F1.2 (50 IRE, AGC ON, Turbo mode)
	0.3 lux at F1.2 (100 IRE, AGC ON, Turbo mode)	0.3 lux at F1.2 (100 IRE, AGC ON, Turbo mode)
Auto iris lens	DC/video servo switchable	DC/video servo switchable

### Supplied accessories

#### For the SSC-M383CE

Lens mount cap (x 1), Operating instructions (x 1)

#### For the SSC-M388CE

Lens mount cap (x 1), Operating instructions (x 1), Power cable (x 1)

### **Black and White Camera**

Offers dependable high picture quality and sensitivity with a stylish, lightweight, compact design. What's more, that high picture quality is available at a competitive price.

#### **Sales Features**

- > DC/Video servo auto iris CS-mount lens
- > 1/3 type IT ExwaveHAD CCD
- > 570 TV lines
- > Minimum illumination: 0.07 lux

#### **Additional Features**

- > Back-Light Compensation
- > Turbo Auto Gain Control (AGC)
- > CCD IRIS function
- > Wide range CCD IRIS

## **SSC-M383CE** **SSC-M388CE**



# SSC-DC172P Specifications

## General

Mass	355 g (12 oz)
Dimensions (W x H x D)	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")
Power requirements	DC 12 V $\pm$ 10%
Power consumption	3.0 W
Operating temperature	-10°C to 50°C (14°F to 122°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)

## Camera

Image device	1/3 type Interline Transfer CCD
Picture elements (H x V)	500 x 582
Auto Gain Control	TURBO/OFF switchable

White Balance (WB)	Auto White Balance (ATW)
Lens mount	CS
CCD IRIS	ON/OFF switchable (1/50 to 1/100,000 s)
Back-Light Compensation (BLC)	ON/OFF switchable
Video out	BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative
Sensing area	1/3 type format (4.8 x 3.6 mm)
Signal system	PAL standard
Sync. System	Internal
Horizontal resolution	330 TV lines
S/N ratio	50 dB or more (AGC OFF, Weight ON)
Minimum illumination	0.6 lx at F1.2 (50 IRE, AGC ON, Turbo mode)
Auto iris lens	DC servo

## Supplied accessories

Lens mount cap (x 1), Operating instructions (x 1)

### Standard Resolution Colour Camera

Colour video camera that incorporates 1/3-type CCD with Sony Super HAD technology. The BLC (Back Light Compensation) function incorporated in the camera allows a subject to be rendered visible with an improved level of object recognition.

#### Sales Features

- > DC servo auto iris CS-mount lens
- > 1/3 type IT CCD
- > 330 TV lines
- > Minimum illumination: 0.6 lux

#### Additional Features

- > Back-Light Compensation
- > Turbo Auto Gain Control (AGC)
- > Wide Auto Tracing White (ATW)
- > CCD IRIS function
- > Wide range CCD IRIS

## SSC-DC172P



# SSC-DC198P Specifications

## General

Mass	390 g (14 oz)
Dimensions (W x H x D)	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")
Power requirements	AC 220 to 240 V $\pm$ 10%, 50 Hz
Power consumption	3.7 W
Operating temperature	-10°C to 50°C (14°F to 122°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)

## Camera

Image device	1/3 type CCD
Picture elements (H x V)	500 x 582
Auto Gain Control	ON/OFF switchable
White Balance (WB)	Auto White Balance (ATW)

Lens mount	CS
CCD IRIS	1/50 to 1/100,000 s
Back-Light Compensation (BLC)	ON/OFF switchable
Video out	BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative
Sensing area	1/3 type format (4.8 x 3.6 mm)
Signal system	PAL standard
Sync. System	Line Lock
Horizontal resolution	330 TV lines
S/N ratio	50 dB or more (AGC OFF, Weight ON)
Minimum illumination	0.8 lx at F1.2 (50 IRE, Turbo mode) 0.3 lux at F1.2 (30 IRE, AGC ON, AGC ON, Turbo mode) 0.6 lux at F1.2 (50 IRE, AGC ON, Turbo mode) 3.0 lux at F1.2 (100 IRE, AGC ON, Turbo mode)
Auto iris lens	DC/video servo switchable

## Supplied accessories

Lens mount cap (x 1), Operating instructions (x 1)

### Standard Resolution Colour Camera

Offers dependably, high picture quality and sensitivity with a stylish, lightweight, compact design. This camera also offers that high picture quality at a competitive price.

#### Sales Features

- > DC servo auto iris CS-mount lens
- > 1/3 type CCD
- > 330 TV lines
- > Minimum illumination: 0.6 lux

#### Additional Features

- > Back-Light Compensation
- > Turbo Auto Gain Control (AGC)
- > Wide Auto Tracing White (ATW)
- > Wide range CCD IRIS

## SSC-DC198P



## SSC-DC372P, SSC-DC378P Specifications

### General

Mass	355 g (13 oz)	385 g (14 oz)
Dimensions (W x H x D)	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")	60 x 54 x 120 mm (2 3/8" x 2 1/4" x 4 3/4")
Power requirements	AC 24 V $\pm$ 10%, 50 Hz or DC 12 V $\pm$ 10%	AC 220 V to 240 V $\pm$ 10%, 50 Hz
Power consumption	3.2 W	4.0 W
Operating temperature	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)

### Camera

Image device	1/3 type SuperHAD CCD	1/3 type SuperHAD CCD
Picture elements (H x V)	752 x 582	752 x 582
Auto Gain Control	ON (Turbo mode, up to 24 dB) or OFF switchable	ON (Turbo mode, up to 24 dB) or OFF switchable
White Balance (WB)	Auto-Tracing White Balance	Auto-Tracing White Balance
Lens mount	CS mount	CS mount
CCD IRIS	1/50 to 1/100,000 s	1/50 to 1/100,000 s

Back-Light Compensation (BLC)	ON or OFF switchable	ON or OFF switchable
Video out	BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative	BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative
Sensing area	1/3 type format (4.8 x 3.6 mm)	1/3 type format (4.8 x 3.6 mm)
Signal system	PAL	PAL
Sync system	Internal	Internal
Horizontal resolution	480 TV lines	480 TV lines
S/N ratio	50 dB or more (AGC OFF, Weight ON)	50 dB or more (AGC OFF, Weight ON)
Minimum illumination	0.8 lx at F1.2 (50 IRE, Turbo mode)	0.8 lx at F1.2 (50 IRE, Turbo mode)
	0.3 lux at F1.2 (30 IRE, AGC ON, AGC ON, Turbo mode)	0.3 lux at F1.2 (30 IRE, AGC ON, AGC ON, Turbo mode)
	0.6 lux at F1.2 (50 IRE, AGC ON, Turbo mode)	0.6 lux at F1.2 (50 IRE, AGC ON, Turbo mode)
	3.0 lux at F1.2 (100 IRE, AGC ON, Turbo mode)	3.0 lux at F1.2 (100 IRE, AGC ON, Turbo mode)
Auto iris lens	DC servo	DC servo

### Supplied accessories

#### For the SSC-DC372P

Lens mount cap (x 1), Operating instructions (x 1)

#### For the SSC-DC378P

Lens mount cap (x 1), Operating instructions (x 1) Power cable (x 1)

### High Resolution Colour Camera

Offer dependable, high picture quality and sensitivity with a stylish, lightweight, compact design. High quality images can be captured with a horizontal resolution of 480 TV lines, providing your video surveillance system with the detail required for effective monitoring and recording.

#### Sales Features

- > DC servo auto iris CS-mount lens
- > 1/3 type IT SuperHAD CCD
- > 480 TV lines
- > Minimum illumination: 0.8 lux

#### Additional Features

- > Back-Light Compensation
- > Turbo Auto Gain Control (AGC)
- > Wide Auto Tracing White (ATW) Range
  - ATW Pro & ATW
- > Wide range CCD IRIS

## SSC-DC372P SSC-DC378P



## SSC-DC593P, SSC-DC598P Specifications

### General

Mass	500 g (1 lb. 2 oz)	500 g (1 lb. 2 oz)
Dimensions (W x H x D)	70 x 57 x 129 mm (2 7/8" x 2 1/4" x 5 1/8")	70 x 57 x 129 mm (2 7/8" x 2 1/4" x 5 1/8")
Power requirements	AC 24 V $\pm$ 10%, 50 Hz or DC 12 V $\pm$ 10%	AC 220 V to 240 V $\pm$ 10%, 50 Hz
Power consumption	5.8 W	5.6 W
Operating temperature	-10 to 50°C (-40 to 122°F)	-10 to 50°C (-40 to 122°F)
Storage temperature	-40 to 60°C (-40 to 140°F)	-40 to 60°C (-40 to 140°F)

### Camera

Image device	1/3 type Interline Transfer CCD with DynaView technology	1/3 type Interline Transfer CCD with DynaView technology
Number of effective pixels (H x V)	752 x 582	752 x 582
Auto Gain Control	OFF/MANUAL/NORMAL/ TURBO selectable	OFF/MANUAL/NORMAL/ TURBO selectable
White balance mode	ATW PRO/ATW/3200K/ 5600K/MANUAL/DUAL WB	ATW PRO/ATW/3200K/ 5600K/MANUAL/DUAL WB
Lens type	CS	CS
CCD iris	1/60 (1/50) to 1/10000 (8steps) OFF/MANUAL/CCD IRIS selectable	1/60 (1/50) to 1/10000 (8steps) OFF/MANUAL/CCD IRIS selectable

Back-Light Compensation (BLC)	DYNAVVIEW/SPOT/WEIGHT/OFF switchable	DYNAVVIEW/SPOT/WEIGHT/OFF switchable
Video out	1.0 Vp-p, BNC (1) 75 $\Omega$ sync negative	1.0 Vp-p, BNC (1) 75 $\Omega$ sync negative
Day/Night mode	COLOUR/AUTO/EXTERNAL/B/W ON / OFF switchable	COLOUR/AUTO/EXTERNAL/B/W ON / OFF switchable
Activity detection	ON / OFF switchable	ON / OFF switchable
Zone masking	ON / OFF switchable (with Area setting function)	ON / OFF switchable (with Area setting function)
Variable Gamma	OFF /SCENE1 /SCENE2/ SCENE3/SCENE4 selectable	OFF /SCENE1 /SCENE2/ SCENE3/SCENE4 selectable
Camera Title	Up to 24 characters ON / OFF switchable	Up to 24 characters ON / OFF switchable
Remote Control	RS-485	RS-485
Signal system	PAL	PAL
Sync system	Internal/External	Internal/External
Horizontal Resolution	480 TV lines	480 TV lines
S/N ratio	More than 50 dB (AGC OFF, Weight ON)	More than 50 dB (AGC OFF, Weight ON)
Minimum illumination	Colour: 0.8 lux at F1.4( 50 IRE) B/W: 0.07 lux at F1.4 (50 IRE)	Colour: 0.8 lux at F1.4( 50 IRE) B/W: 0.07 lux at F1.4 (50 IRE)
Auto iris lens	DC/video servo switchable	DC/video servo switchable

### Supplied accessories

#### For the SSC-DC593P

Lens mount cap (x1), Menu operations (x1), Operation manual (x1)

#### For the SSC-DC598P

Lens mount cap (x1), Menu operations (x1), , AC power cable (x1), Operation manual (x1)

## Day/Night Video Camera

Specifically designed for challenging Day/Night surveillance applications, these cameras offer an extremely wide dynamic range to allow the capture of clear images even in strong backlight situations.

### Sales Features

- > DC/Video servo auto iris CS/C-mount lens
- > 1/3 type IT DynaView CCD
- > 480 TV lines
- > Day/Night
- > Minimum illumination:  
0.8 lux (colour mode)  
0.07 lux (B/W mode)

### Additional Features

- > Activity Detection Function
- > Wide Dynamic Range
- > White Balance
- > Privacy Zone Masking
- > Back-Light Compensation
- > Auto Gain Control (AGC)
- > Wide Auto Tracing White (ATW) Range

## SSC-DC593P SSC-DC598P



## SSC-DC80P, SSC-DC83P, SSC-DC88P Specifications

### General

Mass	Approx. 560 g (1.4 oz)	Approx. 550 g (1.3 oz)	Approx. 600 g (1.5 oz)
Dimensions (W x H x D) (including front and rear covers)	70 x 57 x 260 mm (2 7/8" x 2 1/4" x 20 1/4")	70 x 57 x 260 mm (2 7/8" x 2 1/4" x 20 1/4")	70 x 57 x 260 mm (2 7/8" x 2 1/4" x 20 1/4")
Power requirements	Multiplexing with the YS-W170P/W270P, or DC 12 V ±10%	AC 24 V ±10%, 50 Hz or DC 12 V ±10%	AC 24 V ±10%, 50 Hz
Power consumption	4.6 W	4.4 W	4.2 W
Operating temperature	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)
Storage temperature	-40 to 60°C (-40 to 140°F)	-40 to 60°C (-40 to 140°F)	-40 to 60°C (-40 to 140°F)

### Camera

Image device	1/2-type CCD with Exwave HAD technology	1/2-type CCD with Exwave HAD technology	1/2-type CCD with Exwave HAD technology
Number of effective pixels (H x V)	440,000 (768 x 494)	440,000 (768 x 494)	440,000 (768 x 494)
Auto Gain Control	Turbo/Normal/Manual/Off	Turbo/Normal/Manual/Off	Turbo/Normal/Manual/Off

White balance mode	ATW-pro/ATW/3200K/ 5600K/Manual	ATW-pro/ATW/3200K/ 5600K/Manual	ATW-pro/ATW/3200K/ 5600K/Manual
Lens type	CS/C-mount (C-mount adaptor is supplied), DC/Video servo auto iris	CS/C-mount (C-mount adaptor is supplied), DC/Video servo auto iris	CS/C-mount (C-mount adaptor is supplied), DC/Video servo auto iris
CCD iris	ON/OFF, 1/50 to 1/100,000 s switchable	ON/OFF, 1/50 to 1/100,000 s switchable	ON/OFF, 1/50 to 1/100,000 s switchable
Back-Light Compensation (BLC)	SPOT/WEIGHT/OFF switchable	SPOT/WEIGHT/OFF switchable	SPOT/WEIGHT/OFF switchable
Analogue video output	BNC x 1, 1.0 Vp-p, 75Ω, Sync negative, S-Video x 1	BNC x 1, 1.0 Vp-p, 75Ω, Sync negative, S-Video x 1	BNC x 1, 1.0 Vp-p, 75Ω, Sync negative, S-Video x 1
Signal system	PAL	PAL	PAL
Sync system	Internal/VS/VD	Internal/AC Line lock/VS	Internal/AC Line lock/VS
Horizontal Resolution	480 TV lines	480 TV lines	480 TV lines
S/N ratio	More than 57 dB (AGC OFF, WEIGHT ON)	More than 57 dB (AGC OFF, WEIGHT ON)	More than 57 dB (AGC OFF, WEIGHT ON)
Minimum illumination	0.4 lx (50 IRE, F1.2, Turbo AGC ON)	0.4 lx (50 IRE, F1.2, Turbo AGC ON)	0.4 lx (50 IRE, F1.2, Turbo AGC ON)

### Supplied accessories

#### For the SSC-DC80P

Lens mount cap, Operating instructions, Front cover, Rear cover, Screws (2), C-mount adaptor

#### For the SSC-DC83P

Lens mount cap, Operating instructions, Front cover, Rear cover, Screws (2), C-mount adaptor

#### For the SSC-DC88P

Lens mount cap, Operating instructions, Front cover

### Colour Video Camera

Offering outstanding picture quality, this series of feature-rich colour video cameras is ideal for high-end video monitoring applications. It's exclusive feature set makes it ideal for applications presenting difficult and variable lighting conditions.

#### Sales Features

- > DC/Video servo auto iris CS/C-mount lens
- > 1/2-type Exwave HAD CCD
- > 480 TV lines
- > Minimum illumination: 0.8 lux

#### Additional Features

- > Low smear level (-120 dB)
- > Activity Detection Function
- > Privacy Zone Masking
- > Back-Light Compensation
- > Turbo Auto Gain Control (AGC)
- > Wide Auto Tracing White (ATW) Range
- > YS-W270P: Optional BNC(8) composite Video Camera Adaptor
- > YS-W170P: Optional BNC(2) composite Video Camera Adaptor

## SSC-DC80P SSC-DC83P SSC-DC88P



## SSC-E453P, SSC-E458P Specifications

### General

Mass	360g (12 oz)	390 g (13 oz)
Mass including front & rear covers	440g (15oz)	470 g (1 lb)
Dimensions (W x H x D)	60 x 53 x 118 mm (2 3/8 x 2 1/8 x 4 3/4 inches)	60 x 53 x 124 mm (2 3/8 x 2 1/8 x 5 inches)
Dimensions including front and rear covers	60 x 53 x 240 mm (2 3/8 x 2 1/8 x 9 1/2 inches)	60 x 53 x 246 mm (2 3/8 x 2 1/8 x 9 3/4 inches)
Power requirements	AC 24 V $\pm$ 10%, 50 Hz or DC 12 V $\pm$ 10%	AC 220 V to 240 V $\pm$ 10%, 50 Hz
Power consumption	3.5 W	3.5 W
Operating temperature	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)

### Camera

Image device	1/3 type Interline Transfer CCD with SuperExwave	1/3 type Interline Transfer CCD with SuperExwave
Picture elements (H x V)	752 x 582	752 x 582

Auto Gain Control	TURBO/OFF switchable	TURBO/OFF switchable
White Balance (WB)	Auto White Balance Pro(ATW Pro)/ Auto White Balance(ATW)	Auto White Balance Pro(ATW Pro)/ Auto White Balance(ATW)
Lens mount	CS	CS
CCD IRIS	ON/OFF switchable, 1/50 to 1/100,000 s	ON/OFF switchable, 1/50 to 1/100,000 s
Backlight Compensation (BLC)	ON/OFF switchable BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative	ON/OFF switchable BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative
Video out	1/3 type format (4.8 x 3.6 mm)	1/3 type format (4.8 x 3.6 mm)
Sensing area	PAL standard	PAL standard
Signal system	INT/Line Lock	INT/Line Lock
Sync system	540 TV lines	540 TV lines
Horizontal resolution	More than 50 dB (AGC OFF, WEIGHT ON)	More than 50 dB (AGC OFF, WEIGHT ON)
S/N ratio	0.55 lux at F1.2	0.55 lux at F1.2
Minimum illumination	(50 IRE, AGC ON, Turbo mode)	(50 IRE, AGC ON, Turbo mode)
Auto iris lens	DC servo	DC servo

### Supplied accessories

#### For the SSC-E453P

Lens mount cap (1), Operating instructions (1), Front cover (1), Rear cover (1), Screws (2), Power cable (1)

#### For the SSC-E458P

Lens mount cap (1), Operating instructions (1), Front cover (1), Rear cover (1), Screws (2), Power cable (1)

### High Resolution Colour Camera

This series is included in the category called CS-Mount Colour High Resolution type which occupies the largest sales volume category within the world wide analogue security camera market.

#### Sales Features

- > DC servo auto iris CS-mount lens
- > 1/3 type IT SuperExwave CCD
- > 540 TV lines
- > Day/Night
- > Minimum illumination:  
0.55 lux (colour mode)  
0.05 lux (B/W mode)

#### Additional Features

- > Slim and stylish design
- > Back-Light Compensation
- > Turbo Auto Gain Control (AGC)
- > Wide Auto Tracing White (ATW) Range
  - ATW Pro & ATW
- > Wide range CCD IRIS

## SSC-E453P SSC-E458P



## SSC-E473P, SSC-E478P Specifications

### General

Mass	380 g (13 oz)	400g (14 oz)
Mass including front & rear covers	460 g (1 lb 1 oz)	480g (1 lb 8 oz)
Dimensions (W x H x D)	60 x 53 x 124 mm (2 3/8" x 2 1/8" x 5")	60 x 53 x 124 mm (2 3/8" x 2 1/8" x 5")
Dimensions including front and rear covers	60 x 53 x 246 mm (2 3/8" x 2 1/8" x 9 3/4")	60 x 53 x 246 mm (2 3/8" x 2 1/8" x 9 3/4")
Power requirements	AC 24 V $\pm$ 10%, 50 Hz or DC 12 V $\pm$ 10%	AC 220 V to 240 V $\pm$ 10%, 50 Hz
Power consumption	4.0 W	4.0 W
Operating temperature	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)

### Camera

Image device	1/3 type Interline Transfer CCD with SuperExwave	1/3 type Interline Transfer CCD with SuperExwave
Picture elements (H x V)	752 x 582	752 x 582
Auto Gain Control	TURBO/OFF switchable	TURBO/OFF switchable

White Balance (WB)	Auto White Balance Pro (ATW Pro)/ Auto White Balance (ATW)	Auto White Balance Pro (ATW Pro) /Auto White Balance (ATW)
Lens mount	CS	CS
CCD IRIS	ON/OFF switchable, 1/50 to 1/100,000 s	ON/OFF switchable, 1/50 to 1/100,000 s
Backlight Compensation (BLC)	ON/OFF switchable	ON/OFF switchable
Video out	BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative	BNC, 1.0 Vp-p, 75 $\Omega$ , sync negative
Sensing area	1/3 type format (4.8 x 3.6 mm)	1/3 type format (4.8 x 3.6 mm)
Signal system	PAL standard	PAL standard
Sync system	INT/Line Lock	INT/Line Lock
Horizontal resolution	540 TV lines	540 TV lines
S/N ratio	More than 50 dB (AGC OFF, WEIGHT ON)	More than 50 dB (AGC OFF, WEIGHT ON)
Minimum illumination	Colour: 0.55 lx at F1.2 (50 IRE, AGC ON, Turbo mode)	Colour: 0.55 lx at F1.2 (50 IRE, AGC ON, Turbo mode)
	B/W: 0.05 lx at F1.2 (50 IRE, AGC ON, Turbo mode)	B/W: 0.05 lx at F1.2 (50 IRE, AGC ON, Turbo mode)
Auto iris lens	DC servo	DC servo

### Supplied accessories

#### For the SSC-E473P

Lens mount cap (1), Operating instructions (1), Front cover(1), Rear cover(1), Screws (2), Power cable (1)

#### For the SSC-E478P

Lens mount cap (1), Operating instructions (1), Front cover(1), Rear cover(1), Screws (2), Power cable (1)

## High Resolution Day/Night Camera

Specifically designed for challenging lighting conditions as well as Day/Night surveillance applications, these cameras incorporate a 1/3" CCD with SuperExwave technology, allowing the camera to achieve extremely high sensitivity levels.

### Sales Features

- > DC servo auto iris CS-mount lens
- > 1/3 type IT SuperExwave CCD
- > 540 TV lines
- > Day/Night
- > Minimum illumination:  
0.55 lux (colour mode)  
0.05 lux (B/W mode)

### Additional Features

- > Slim and stylish design
- > Wide Auto Tracing White Range – ATW
- > Pro & ATW

## SSC-E473P SSC-E478P



# SSC-CD45P Specifications

## General

Mass	Approx. 440 g (15 lb)
Dimensions (Ø x H)	Approx. 126 x 97 mm (5 x 3 7/8")
Power requirements	AC24V/DC12V
Power consumption	4.0 W max.
Operating temperature	-20 to 50°C (-4 to 122°F)
Storage temperature	-40 to 60°C (-40 to 140°F)

## Camera

Image device	1/3-type CCD with Super HAD Technology
Number of effective pixels (H x V)	440,000 (752 x 582)
Gain control	ON/OFF

White balance mode	ATW/ATW Pro
Lens type	Auto iris vari-focal lens
Zoom ratio	3.6x optical zoom (1.5x digital zoom)
Horizontal viewing angle	100.8° to 27.7°
Focal length	f=2.8 to 10.0 mm
Backlight compensation	ON/OFF
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
Signal system	PAL (Composite)
Sync system	AC Line Lock/Internal Lock
Horizontal resolution	540 TV lines
S/N ratio	more than 50 dB (AGC ON/Weight ON)
Min. illumination	0.9 lx (50IRE, F1.3, AGC ON)

## Supplied accessories

Template, Wire rope, M4 shoulder screw, Operation instructions

### Colour Mini Fixed Dome Camera

This compact and discreet analogue mini-dome camera delivers superior indoor security and surveillance monitoring. Designed for indoor use, its clever design saves time and effort at installation, and gives you true location flexibility.

#### Sales Features

- > Auto iris vari-focal lens
- > 1/3-type IT SuperHAD CCD
- > 540 TV lines
- > Minimum illumination: 0.9 lux

#### Additional Features

- > Back-Light Compensation
- > Built-in CS Mount
- > Ball-Joint Lens Mount
- > CCD IRIS function
- > Wide Auto Tracing White (ATW) Range
  - ATW Pro & ATW
- > YT-ICB45 In-Ceiling Mount Bracket

## SSC-CD45P



# SSC-CD49P Specifications

## General

Mass	Approx. 440 g (15 lb)
Dimensions (Ø x H)	Approx. 126 x 97 mm (5 x 3 7/8")
Power requirements	AC24V/DC12V
Power consumption	4.2 W max.
Operating temperature	-20 to 50°C (-4 to 122°F)
Storage temperature	-40 to 60°C (-40 to 140°F)

## Camera

Image device	1/3-type CCD with DynaView technology
Number of effective pixels (H x V)	440,000 (752 x 582)
Gain control	ON/OFF

White balance mode	ATW/ATW Pro
Lens type	Auto iris vari-focal lens
Zoom ratio	3.6x optical zoom (1.5x digital zoom)
Horizontal viewing angle	100.8° to 27.7°
Focal length	f=2.8 to 10.0 mm
Backlight compensation	DynaView ON/OFF
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
Signal system	PAL (Composite)
Sync system	AC Line Lock/Internal Lock
Horizontal resolution	480 TV lines
S/N ratio	more than 50 dB (AGC ON/Weight ON)
Min. illumination	Colour: 0.7 lx (50IRE, F1.3, AGC ON)

## Supplied accessories

Template, Wire rope, M4 shoulder screw, Operation instructions

### Colour Mini Fixed Dome Camera

Shaped like a standard mini-dome, this camera has been outfitted with a patented ball joint lens mount and a 3.6x vari-focal lense with auto-iris.

#### Sales Features

- > Auto iris vari-focal lens
- > 1/3-type IT DynaView CCD
- > 480 TV lines
- > Minimum illumination: 0.7 lux

#### Additional Features

- > Back-Light Compensation
- > Built-in CS Mount
- > Ball-Joint Lens Mount
- > Wide Dynamic Range With DynaView
- > Wide Auto Tracing White (ATW) Range
  - ATW Pro & ATW
- > YT-ICB45 In-Ceiling Mount Bracket

## SSC-CD49P



# SSC-CD73VP Specifications

## General

Mass	approx 870 g (1lb. 14 oz)
Dimensions (W x H x D)	Base: 147 x 111 x 148 mm (5 3/4" x 4 3/8" x 5 7/8") Bubble: 94 mm (3 3/4") (ø)
Input voltage	AC 24 V/DC 12 V
Power consumption	3.5 W
Operating temperature	-20° C to +50°C (-4° F to +122° F)
Operating humidity	20 % to 80 % (non condensing)
Weather proof	IP66

## Camera

Image device	1/4 type Interline Transfer SuperHAD CCD
Picture Elements (H x V)	752 x 582
Built-in lens	f = 3.0 to 8.0 mm, F1.0 Auto iris

Auto Gain Control	ON (Turbo mode)/OFF switchable
Lens mount	CS Mount
View angle (D, H, V)	(H): 66.6° (wide), 26.9° (tele) (V): 49.3° (wide), 20.1° (tele)
Focus length	Minimum object distance: 0.2 m
White Balance	ATW
Signal system/scanning system	PAL colour system
Sync. system	Internal (DC 12 V/AC 24 V) /Line lock (AC 24 V only) switchable
External sync.	AC line lock (for AC 24 V)
V-phase control	±90°
Horizontal resolution	480 TV lines
S/N ratio	More than 50 dB (AGC OFF, weight ON)
Min. illumination	Colour: 0.9 lux
(Turbo AGC ON)	(F1.0, 50 IRE, AGC ON) B/W: 0.2 lux (F1.0, 50 IRE, AGC ON)

## Optional accessories

YT-ICB73V, In-ceiling bracket

### **Rugged Day/Night Mini Fixed Dome Camera**

Incorporates a Day/Night function to capture high-quality, colour images during the day and clear, black and white (B/W) images at night. Ideal for outdoor applications, the ruggedised model is equipped with a heavy-duty enclosure.

#### **Sales Features**

- > Vari-focal DC servo auto iris CS-mount lens
- > 1/4 type IT SuperHAD CCD
- > 480 TV lines
- > Day/Night
- > Minimum illumination:  
0.9 lux (colour mode)  
0.2 lux (B/W mode)

#### **Additional Features**

- > Built-in CS Mount
- > Rugged aluminium cast housing
- > Polycarbonate cover
- > Rain-proof (IP66 compliant)

## **SSC-CD73VP**



# SSC-CD75P Specifications

## General

Mass	Approx. 1.75 kg (3 lb 11 oz)
Dimensions (Ø x H)	Approx. 177 x 141 mm (7 x 5 5/8")
Power requirements	AC24V/DC12V
Power consumption	4 W max. (16 W with heater option)
Operating temperature	-20 to 50°C (-4 to 122°F) -40 to 50°C (-40 to 122°F) w/heater unit
Storage temperature	-40 to 60°C (-40 to 140°F)

## Camera

Image device	1/3-type CCD with Super HAD Technology
Number of effective pixels (H x V)	440,000 (752 x 582)
Gain control	ON/OFF

White balance mode	ATW/ATW Pro
Lens type	Auto iris vari-focal lens
Zoom ratio	3.6x optical zoom (1.5x digital zoom)
Horizontal viewing angle	100.8° to 27.7°
Focal length	f=2.8 to 10.0 mm
Backlight compensation	ON/OFF
Day/Night function	N/A
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
Signal system	PAL (Composite)
Sync system	AC Line Lock/Internal Lock
Horizontal resolution	540 TV lines
S/N ratio	more than 50 dB (AGC ON/Weight ON)
Min. illumination	0.9 lx (50IRE, F1.3, AGC ON)

## Supplied accessories

Bracket, Template, Torx wrench, M4 screws (4), Wire rope, M4 shoulder screw, Operation instructions

### Rugged Mini Fixed Dome Camera

Vandal-resistant and includes patented ball joint lens mount, an IP66 ingress with cable pipe for water protection, and a high resolution of 540 TV Lines.

#### Sales Features

- > Auto iris vari-focal lens
- > 1/3" type IT SuperHAD CCD
- > 540 TV lines
- > Minimum illumination: 0.9 lux

#### Additional Features

- > Back-Light Compensation
- > Built-in CS Mount
- > Ball-Joint Lens Mount
- > Turbo Auto Gain Control (AGC)
- > CCD IRIS function
- > Wide range CCD IRIS
- > Wide Auto Tracing White (ATW) Range
  - ATW Pro & ATW
- > Rugged aluminium cast housing
- > Polycarbonate cover
- > IP66
- > YT-ICB45 In-Ceiling Mount Bracket
- > YT-HU75 Heater Unit

## SSC-CD75P



# SSC-CD77P Specifications

## General

Mass	Approx. 1.75 kg (3 lb 11 oz)
Dimensions (Ø x H)	Approx. 177 x 141 mm (7 x 5 5/8 inches)
Power requirements	AC24V/DC12V
Power consumption	4 W max. (16 W with heater option)
Operating temperature	-20 to 50°C (-4 to 122°F)
	-40 to 50°C (-40 to 122°F) w/heater unit
Storage temperature	-40 to 60°C (-40 to 140°F)

## Camera

Image device	1/3-type CCD with SuperExwave Technology
Number of effective pixels (H x V)	440,000 (752 x 582)
Gain control	ON/OFF

White balance mode	ATW/ATW Pro
Lens type	Auto iris vari-focal lens
Zoom ratio	3.6x optical zoom (1.5x digital zoom)
Horizontal viewing angle	100.8° to 27.7°
Focal length	f=2.8 to 10.0 mm
Backlight compensation	ON/OFF
Day/Night function	N/A
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
Signal system	PAL (Composite)
Sync system	AC Line Lock/Internal Lock
Horizontal resolution	540 TV lines
S/N ratio	more than 50 dB (AGC ON/Weight ON)
Min. illumination	0.9 lx (50IRE, F1.3, AGC ON)

## Supplied accessories

Bracket, Template, Torx wrench, M4 screws (4), Wire rope, M4 shoulder screw, Operation instructions

## Rugged Day/Night Mini Fixed Dome Camera

This advanced vandal-resistant analogue mini-dome camera delivers superior security and surveillance monitoring.

### Sales Features

- > Auto iris vari-focal lens
- > 1/3" type IT SuperExwave HAD® CCD
- > 540 TV lines
- > Day/Night
- > Minimum illumination:  
0.6 lux (colour mode)  
0.06 lux (B/W mode)

### Additional Features

- > Back-Light Compensation
- > Built-in CS Mount
- > Ball-Joint Lens Mount
- > Wide Auto Tracing White (ATW) Range
  - ATW Pro & ATW
- > Rugged aluminium cast housing
- > Polycarbonate cover
- > IP66
- > YT-ICB45 In-Ceiling Mount Bracket
- > YT-HU75 Heater Unit

## SSC-CD77P



# SSC-CD79P Specifications

## General

Mass	Approx. 1.3 kg (2 lb 13 oz)
Dimensions (Ø x H)	Approx. 150 x 119 mm (6 x 4 inches)
Power requirements	AC24V/DC12V
Power consumption	4 W max.
Operating temperature	-20 to 50°C (-4 to 122°F)
Storage temperature	-40 to 60°C (-40 to 140°F)

## Camera

Image device	1/3-type CCD with DynaView Technology
Number of effective pixels (H x V)	440,000 (752 x 582)
Gain control	ON/OFF
White balance mode	ATW/ATW Pro
Lens type	Auto iris vari-focal lens
Zoom ratio	3.6x optical zoom (1.5x digital zoom)
Horizontal viewing angle	100.8° to 27.7°
Focal length	f=2.8 to 10.0 mm
Backlight compensation	DynaView ON/OFF
Day/Night function	Auto/External Control
Analogue video output	BNC x1, 1.0 Vp-p, 75 Ω, RCA x 1
Signal system	PAL (Composite)
Sync system	AC Line Lock/Internal Lock
Horizontal resolution	480 TV lines
S/N ratio	more than 50 dB (AGC ON/Weight ON)
Min. illumination	Colour 0.7 lx (50IRE, F1.3, AGC ON) B/W 0.15 lx (50IRE, F1.3, AGC ON)

## Supplied accessories

Bracket, Template, Torx wrench, M4 screws (4), Wire rope, M4 shoulder screw, Operation instructions

### Rugged Day/Night Mini Fixed Dome Camera

This advanced vandal-resistant analogue mini-dome camera delivers superior security and surveillance monitoring.

#### Sales Features

- > Auto iris vari-focal lens
- > 1/3 type IT Dynaview CCD
- > 480 TV lines
- > Day/Night
- > Minimum illumination:
  - > 0.6 lux (colour mode)
  - > 0.06 lux (B/W mode)

#### Additional Features

- > Dynaview Technology
- > Built-in CS Mount
- > Ball-Joint Lens Mount
- > Wide Auto Tracing White (ATW) Range
- > ATW Pro & ATW
- > Rugged aluminium cast housing
- > Polycarbonate cover

**INTELLIGENCE**

## SSC-CD79P





## Housings and Accessories



## Outdoor Dome Camera Housing

### Applicable Camera Models

- > SNC-RX550P
- > SNC-RZ25P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > -29°C to +50°C
- > -44°C to +50°C with optional  
heater/blower kit added  
SNCA-HEATER

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2
- > SNCA-HEATER

## SNCA-HRX550/EXT



## Outdoor Wireless Dome Camera Housing

### Applicable Camera Models

- > SNC-RX550P
- > SNC-RZ25P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > -29°C to +50°C
- > -44°C to +50°C with optional  
heater/blower kit added  
SNCA-HEATER

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2
- > SNCA-HEATER

## SNCA-HRX550EXT/W



## Indoor Dome Camera Housing

### Applicable Camera Models

- > SNC-RX550P
- > SNC-RZ25P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > 0°C to 50°C

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2

## SNCA-HRX550/INT



## Outdoor Vandal Resistant Dome Camera Housing

### Applicable Camera Models

- > SNC-RX550P
- > SNC-RZ25P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > -29°C to +50°C
- > -44°C to +50°C with optional heater/  
blower kit added (SNCA-HEATER)

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2

# SNCA-HRX550EXT/R



## Outdoor Pressurized Dome Camera Housing

### Applicable Camera Models

- > SNC-RX550P
- > SNC-RZ25P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > -29°C to +50°C

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2

## SNCA-HRX550/PRE



## Outdoor Dome Camera Housing

### Applicable Camera Models

- > SNC-RZ50P
- > SNC-RZ30P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > -29°C to +50°C
- > -44°C to +50°C with optional heater/  
blower kit added (SNCA-HEATER)

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2
- > SNCA-HEATER

## SNCA-HRZ50/EXT



## Outdoor Wireless Dome Camera Housing

### Applicable Camera Models

- > SNC-RZ50P
- > SNC-RZ30P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > -29°C to +50°C
- > -44°C to +50°C with optional heater/  
blower kit added (SNCA-HEATER)

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2
- > SNCA-HEATER

## SNCA-HRZ50/EXT/W



## Outdoor Dome Camera Housing

### Applicable Camera Models

- > SNC-RZ50P
- > SNC-RZ30P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > 0°C to 50°C

### Voltage

- > 12 volts DC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2
- > SNCA-HEATER

## SNCA-HRZ50/INT



## Outdoor Dome Camera Housing

### Applicable Camera Models

- > SNC-RZ50P
- > SNC-RZ30P

### Fixing Method

- > SNCA-WM20G (wall)
- > SNCA-CEILING (ceiling)  
with SNCA-POLE30

### Rating

- > IP66

### Operating Temperature

- > -29°C to +50°C
- > -44°C to +50°C with optional heater/  
blower kit added (SNCA-HEATER)

### Voltage

- > 24 volts AC

### Optional accessories

- > SNCA-CLEAR/2 (included)
- > SNCA-TINTED/2

## SNCA-HRZ50/EXT/R



## Outdoor Fixed Camera Housing

### Applicable Camera Models

- > SNC-CS3P
- > SNC-CS10
- > SNC-CS11
- > SNC-Z20P
- > SNC-CS50P
- > SSC range

### Fixing Method

- > Wall
- > Pole (included)

### Rating

- > IP65

### Operating Temperature

- > -28°C to 48°C

### Operating humidity

- > Up to 100%

### Voltage

- > 24 volts AC

## SNCA-HFIXED



## Wall Mount for Dome Camera Housings

### Applicable Housing Models

- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/INT
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/EXT/PRE
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/INT
- > SNCA-HRZ50/EXT/R

### Optional accessories

- > SNCA-PM3 (Pole Mount Adapter)
- > SNCA-CA2 (Corner Mount Adapter)

### Dimensions

- > 30 cm (W)

## SNCA-WM20G



## Wall Mount for Dome Camera Housings

### Applicable Housing Models

- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/INT
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/EXT/PRE
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/INT
- > SNCA-HRZ50/EXT/R

### Optional accessories

- > SNCA-PM3 (Pole Adapter)
- > SNCA-CA2 (Corner Adapter)

### Dimensions

- > 53 cm (W)

## SNCA-WM40



## Pole Mount Adapter

### Applicable Camera Models

- > SNCA-WM20G (wall mounts)
- > SNCA-WM40 (wall mounts)
- > Banding straps not included

### Features

- > Used to mount indoor or Outdoor housings to a Round pole (8cm-38cm, diameter)
- > 22 Kg load rating
- > Aluminium construction

## SNCA-PM3



## Corner Mount Adapter

### Applicable Camera Models

- > SNCA-WM20G (wall mounts)
- > SNCA-WM40 (wall mounts)

### Features

- > Used to mount housings to an outside corner
- > 22 Kg load rating
- > Aluminium construction

## SNCA-CA2



## Mounting Coupling for Pendant Applications

### Applicable Housing Models

- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/INT
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/EXT/PRE
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/INT
- > SNCA-HRZ50/EXT/R

### Features

- > The coupling is mounted to the ceiling. SNCA-POLE30 is thread into the coupling and the camera housing connected to the bottom of the pipe.
- > The base has an input for electrical conduit (1/2" or 12.7 mm)

### Additional Requirement

- > SNCA-POLE30 (Ceiling Mount Adapter)

## SNCA-CEILING



## Mounting Pipe for Pendant Mount Applications

### Applicable Housing Models

- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/INT
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/EXT/PRE
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/INT
- > SNCA-HRZ50/EXT/R

### Features

- > Aluminium construction
- > 30cm in length

### Additional Requirement

- > SNCA-CEILING (Ceiling Mount Adapter)

## SNCA-POLE30



## Replacement Capsules

### Applicable Housing Models

- > SNCA-HRZ25
- > SNCA-HRZ30

**Diameter**  
> 8" (20.32 cm)

## Replacement Dome Covers



## Replacement Capsules

### Applicable Housing Models

- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/INT
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/EXT/PRE
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/INT
- > SNCA-HRZ50/EXT/R

### Diameter

> 7" (17.78 cm)

## Replacement Dome Covers



## Cold Weather Kit

### Applicable Housing Models

- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/INT
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/INT
- > SNCA-HRZ25

### Features

- > Includes an additional heater and blower assembly
- > Extends the lower operating temperature by 15°C

## SNCA-HEATER



## Housing Control PC Board

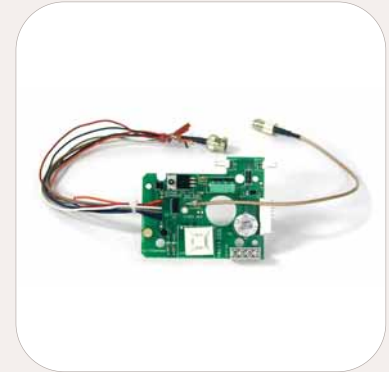
### Applicable Housing Models

- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/EXT/PRE
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/EXT/R
- > SNCA-HRZ25
- > SNCA-HRZ30

### Features

- > Controls the blower and heater
- > Replacement part
- > For outdoor models only

## SNCA-Connector/PCB



## Power Board for 12V DC Cameras

### Applicable Housing Models

- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/EXT/R
- > SNCA-HRZ30

### Features

- > Controls the blower and heater
- > Replacement part
- > For outdoor models only

## SNCA-POWER/PCB



## Keyboard

The RM-NS10 is designed to focus on offering intuitive operation. Control panel consists of display layout and camera selection section, camera control section, recorder control section and audio control section.

### Applicable Models

- > NSR-25
- > NSR-25/500GB
- > NSR-50
- > NSR-100

## RM-NS10 Specifications

### General

Camera control	USB2.0
Cable length	3m
Power requirement	5V DC (USB bus powered)
Power consumption	500mW (Max.)
Operating temperature	5 degrees to 40 degrees
Operating humidity	20-80% (Highest wet bulb temperature: 32°C) (Avoid condensation)
Dimensions (W x H x D)	387 x 121 x 165 mm
Mass	860 g (Approx. without cable)

### Features

- > Easy-to-use simple joystick controller
- > Stylish Sony design and ergonomic joystick layout
- > Camera PTZ control and call preset
- > Search / Playback
- > Camera selection

## RM-NS10



## SNCA-PS12/1 Specifications

### General

Supply Voltage	230V AC 50Hz
Input connection	Cable with soldered bare ends
Current Consumption	Approx. 15W
Colour	Black
Size in mm (W x H x D)	68 x 108 x 68
Weight in Kg	0.5
Packed Size in mm (W x H x D)	77 x 163 x 101
Packed Weight (Kg)	0.6
Case Material	Fire retardant ABS

Operating Temperature	-10°C to +40°C
Storage Temperature	-20°C to +50°C
Environmental Class	2 (indoor only)
MTBF	50,000 hours
CE approved	Yes
Output Voltage	12V DC
Output Current	1A (thermal fused)
Output connection	Cable with soldered bare ends
Tamper Switch	No

## In-line Power Supply

An indoor, in-line power supply with one output rated at 1 Amp, 12V DC.

### Applicable Analogue Models

- > SSC-DC80/3
- > SSC-DC590/3
- > SSC-E473
- > SSC-E453
- > SSC-DC372/4
- > SSC-DC172/4
- > SSC-DC193P
- > SSC-M383
- > SSC-M183
- > SSC-CD43VP
- > SSC-CD73VP

### Applicable IP Models

- > SNC-CS50P
- > SNC-DF40P
- > SNC-DF70P
- > SNC-Z20P
- > SNC-CS3P

### Key Features

- > Ideal for powering 12V DC cameras.

## SNCA-PS12/1



## SNCA-PS24/1 Specifications

### General

Supply Voltage	230V AC 50Hz
Input connection	Cable with UK mains plug (remove if not required)
Current Consumption	Approx. 25W
Colour	Black
Size in mm (W x H x D)	68 x 115 x 70
Weight in Kg	1.0
Packed Size in mm (W x H x D)	77 x 163 x 106
Packed Weight (Kg)	1.1
Case Material	Fire retardant ABS

Operating Temperature	-10°C to +40°C
Storage Temperature	-20°C to +50°C
Environmental Class	2 (indoor use only)
MTBF	50,000 hours
CE approved	Yes
Output Voltage	24V AC
Output Current	1A (thermal fused)
Output connection	Internal connection, no cable supplied
Tamper Switch	No

## In-line Power Supply

An indoor, in-line power supply with one output rated at 1 Amp, 24V AC.

### Applicable Analogue Models

- > SSC-DC83
- > SSC-DC593
- > SSC-E473
- > SSC-E453
- > SSC-DC374
- > SSC-DC174
- > SSC-DC193P
- > SSC-M383
- > SSC-M183
- > SSC-CD43VP
- > SSC-CD73VP

### Applicable IP Models

- > SNC-CS50P
- > SNC-DF40P
- > SNC-DF70P
- > SNC-Z20P
- > SNC-CS3P
- > SNC-RX550P
- > SNC-RZ25P

### Key Features

- > Ideal for powering 24V AC cameras.

## SNCA-PS24/1



## SNCA-PS24/4 Specifications

### General

Supply Voltage	230V AC 50Hz
Input connection	Internal connection, no cable supplied
Current Consumption	Approx. 100W
Colour	White
Size in mm (W x H x D)	118 x 200 x 70
Weight in Kg	2.1
Packed Size in mm (W x H x D)	124 x 208 x 76
Packed Weight (Kg)	2.2
Case Material	Powder coated Mild Steel

Operating Temperature	-10°C to +40°C
Storage Temperature	-20°C to +50°C
Environmental Class	2 (indoor use only)
MTBF	65,000 hours
CE approved	Yes
Output Voltage	24V AC
Output Current	4A (fused)
Output connection	Internal connection, no cable supplied
Tamper Switch	No

## Indoor Power Supply Unit

An indoor power supply with one 4 Amp 24V AC fused output.

### Applicable Analogue Models

> This power supply is to be used with housings and camera combinations only.

Please use either SNCA-PS12/1 or SNCA-PS24/1 for other cameras

### Applicable IP Models

- > SNCA-HFIXED
- > SNCA-HRZ25
- > SNCA-HRZ30
- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/INT
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/EXT/R
- > SNCA-HRZ50/INT

### Key Features

- > Ideal for powering 24V AC housings and the camera. This power supply must be used when a camera is in a housing of any type (dome or fixed).

## SNCA-PS24/4



## SNCA-PS24/4E Specifications

### General

Supply Voltage	230V AC 50Hz
Input connection	Internal connection, no cable supplied
Current Consumption	Approx. 100W
Colour	Grey
Size in mm (W x H x D)	160 x 235 x 125
Weight in Kg	2.13
Packed Size in mm (W x H x D)	167 x 242 x 136
Packed Weight (Kg)	2.25
Case Material	Polycarbonate
Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +50°C

Environmental Class	4 (Rated for outdoor use)
MTBF	65,000 hours
CE approved	Yes
Output Voltage	24V AC
Output Current	4A (fused)
Output connection	Internal connection, no cable supplied. Please use cable glands to ensure watertight seal.
IP rating	IP66 (when installed correctly)
Tamper Switch	No

## Power Supply Unit

An external power supply with one 4 Amp 24V AC fused output.  
Polycarbonate IP66 rated enclosure suitable for outdoor use.

### Applicable Analogue Models

- > SNCA-PS12/1
- > SNCA-PS24/1

### Applicable Camera Housings

- > SNCA-HFIXED
- > SNCA-HRZ25
- > SNCA-HRZ30
- > SNCA-HRX550/EXT
- > SNCA-HRX550/EXT/W
- > SNCA-HRX550/EXT/R
- > SNCA-HRX550/INT
- > SNCA-HRZ50/EXT
- > SNCA-HRZ50/EXT/W
- > SNCA-HRZ50/EXT/R
- > SNCA-HRZ50/INT

### Key Feature

- > Ideal for powering 24V AC housings and the camera. This power supply must be used when a camera is in a housing of any type (dome or fixed).

## SNCA-PS24/4E



## YS-W170P/270P Specifications

General	YS-W270P	YS-W170P
Video output	BNC(8), composite video	BNC(2), composite video
Signal system	PAL	
Video input	Camera in, BNC(4)	Camera in, BNC(1)
External sync	VS or VD-W	
Internal sync	MPX-VS or MPX-VD-W	
Max. cable length	300 m (984 ft) using RG-59B/U 500 m (1640 ft) using RG-6A/U 600 m (1968 ft) using RG-11A/U	
Cable compensation	3 positions	
Power requirements	AC 220 to 240 V, 50 Hz	
Power consumption	49.5 W	15 W
Operating temperature	-10 to 50°C (14 to 122°F)	
Mass	3.8 kg (8 lb 6 oz)	1.9 kg (4 lb 3 oz)
Dimensions (W x H x D)	424 x 52 x 345 mm (16 3/4 x 2 1/8 x 13 5/8 inches)	212 x 52 x 345 mm (8 8/3 x 2 1/8 x 13 5/8 inches)

## Camera Adaptors

The YS-W170P/W270P transmit DC power and video/sync signals to the camera using a single coaxial cable. Both units provide two video outputs for each camera input, allowing images to be monitored in two locations.

### Applicable Models

- > SSC-DC80P
- > SSC-DC83P
- > SSC-DC88P

### Key Feature

- > Up to four cameras can be connected (one camera for YS-W170P)
- > Internal or external synchronisation with MPX-VS or MPX-VD
- > Maximum cable length: 600 m with RG-11A/U (7C-2V) coaxial cable

## YS-W170P YS-W270P



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