

Sony Security Products

Quick Reference 

Table of Contents

Hybrid Camera Solutions	3
IP Fixed Cameras	5
IP Mini Dome Cameras	7
IP Rapid Dome and PTZ Cameras	9
Analog Fixed Cameras	11
Analog Mini Dome Cameras	13
Analog Rapid Dome Cameras	15
Surveillance Video Encoders	17
Network Surveillance Recording Servers	18
Intelligent Monitoring Software	19

Hybrid Camera Solutions

IPELA HYBRID™ – Sony's IP and Analog-over-Coax Technology*1 – Offers Cost-effective and Environmentally-friendly Retrofit Solutions for Existing Analog CCTV Systems

Sony offers a new video surveillance technology that can simultaneously transmit both IP and analog signals on a single coaxial cable. It allows customers to easily migrate to HD IP video surveillance systems with minimal investment, utilizing their existing analog infrastructure. Based on this technology – IPELA HYBRID – Sony offers solutions that comprise hybrid cameras along with SLOC-compatible devices*2 as their counterparts.

These unique solutions deliver the following advantages:

- Cost-effective and environmentally-friendly surveillance systems that can be easily migrated from an analog CCTV system to an IP network-based system, making the most of any existing surveillance infrastructure (e.g. coaxial cables, local power supplies, matrix switchers, controllers, and video wall monitors)
- Simultaneous transmission of IP HD video and analog SD video
- Utilization of the advanced features and functionalities offered by IP network cameras
- Maximum cable length of 300 m (1,000 feet) with an RG-59 coaxial cable*3
- Minimized latency of analog video and PTZ control for video monitoring

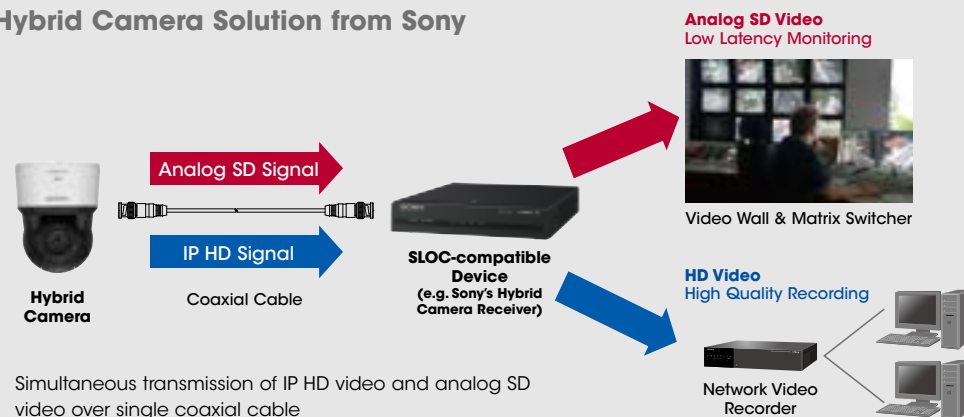
Sony's hybrid camera solutions can be used in a wide variety of surveillance applications, and in locations such as commercial facilities, financial institutions, office buildings, casinos, airports, government-related facilities, and schools.

*1 Sony's IP and analog-over-coax technology is developed based on Intersil Corporation's SLOC™ (Security Link Over Coax) technology.

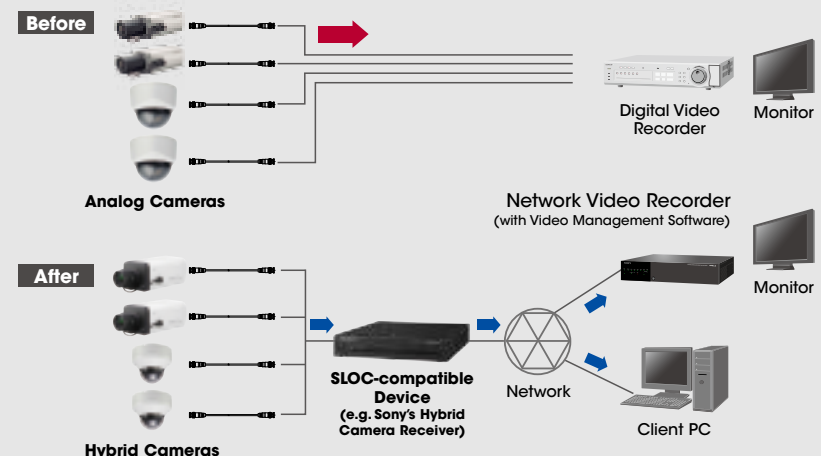
*2 For information on SLOC-compatible devices, please contact your nearest Sony office.

*3 Cable length varies according to cable grade and quality.

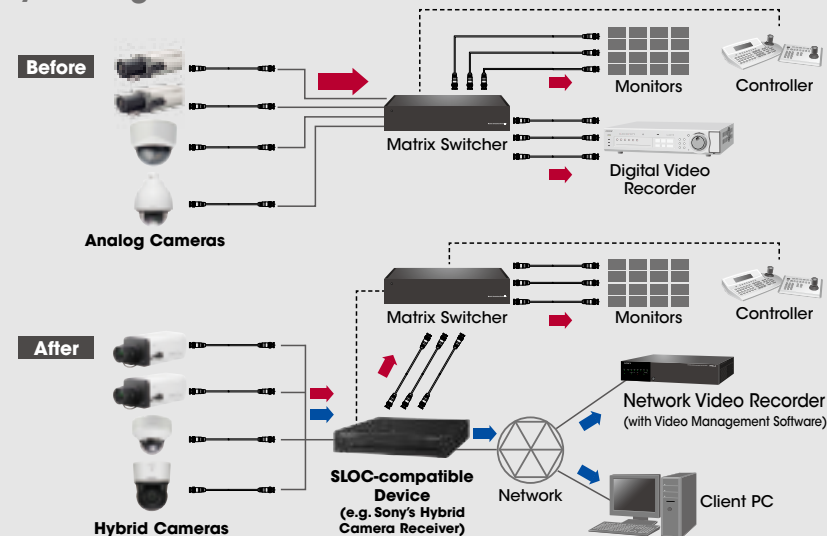
Hybrid Camera Solution from Sony



Simple Migration from Analog to IP



Hybrid Migration



Hybrid Cameras

Model name	SNC-ZB550	SNC-ZM551	SNC-ZM550	SNC-ZR550	SNC-ZP550
	Hybrid Fixed Camera	Hybrid Vandal Mini Dome Camera	Hybrid Mini Dome Camera	Hybrid Rapid Dome Camera	Hybrid PTZ Camera
					
Video compression format	H.264/MPEG-4/JPEG				
Codec streaming capability	Dual streaming (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format) ^{(*)1}				
Computer display format	HD ^{(*)2}	HD ^{(*)2}	HD ^{(*)2}	HD ^{(*)2}	HD ^{(*)2}
Maximum resolution (IP)	1280 x 1024 (1.3 Mega) 	1280 x 1024 (1.3 Mega) 	1280 x 1024 (1.3 Mega) 	1280 x 720 	1280 x 720 
Signal system	NTSC color system/PAL color system (switchable)				
Vandal Resistant	No	IK10	No	No	No
Horizontal viewing angle	96.5° to 33.9°	85.4° to 31.2°	85.4° to 31.2°	55.9° to 2.1°	55.9° to 2.1°
Zoom ratio	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	28x optical zoom	28x optical zoom
Focal length	f=2.8 mm to 8.0 mm	f=3.1 mm to 8.9 mm	f=3.1 mm to 8.9 mm	f=3.5 mm to 98 mm	f=3.5 mm to 98 mm
Lens type	CS mount lens	Built-in variable focal lens	Built-in variable focal lens	Auto-focus zoom lens	Auto-focus zoom lens
Image sensor	1/3-type Exmor CMOS sensor Exmor	1/3-type Exmor CMOS sensor Exmor	1/3-type Exmor CMOS sensor Exmor	1/4-type Exmor CMOS sensor Exmor	1/4-type Exmor CMOS sensor Exmor
Minimum illumination	Color: 0.50 lx, B/W: 0.30 lx (F1.2, shutter 1/30 s, AGC 42 dB, 50 IRE [IP])	Color: 0.50 lx, B/W: 0.30 lx (F1.2, shutter 1/30 s, AGC 42 dB, 50 IRE [IP])	Color: 0.50 lx, B/W: 0.30 lx (F1.2, shutter 1/30 s, AGC 42 dB, 50 IRE [IP])	Color: 1.00 lx, B/W: 0.10 lx (F1.35, shutter 1/30 s, AGC ON, 50 IRE [IP])	Color: 1.00 lx, B/W: 0.10 lx (F1.35, shutter 1/30 s, AGC ON, 50 IRE [IP])
Maximum frame rate	30 fps (H.264, MPEG-4, JPEG) at 1280 x 720	30 fps (H.264, MPEG-4, JPEG) at 1280 x 720	30 fps (H.264, MPEG-4, JPEG) at 1280 x 720	30 fps (H.264, MPEG-4, JPEG) at 1280 x 720	30 fps (H.264, MPEG-4, JPEG) at 1280 x 720
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night
Wide-D	No	No	No	DynaView	DynaView
Noise reduction	Yes	Yes	Yes	Yes	Yes
Card slots	No	No	No	SD/SDHC card x 1	SD/SDHC card x 1
Wireless capability	No	No	No	No	No
DEPA (Intelligence)					
ONVIF					
"Rapid Dome" or "PTZ"	No	No	No	 Rapid Dome	 PTZ
Pan angle	No	±180 degrees	±180 degrees	360 degrees endless rotation	340 degrees
Tilt angle	No	0 to 70 degrees	0 to 70 degrees	-105° to +105° (210° tilt)	-15° to +90°
Power requirements	AC 24 V, DC 12 V	AC 24 V, DC 12 V	AC 24 V, DC 12 V	hPoE, AC 24 V ^{(*)3}	hPoE, AC 24 V ^{(*)3}
Power consumption	6 W max.	7 W max.	7 W max.	25 W max.	25 W max.
Dimensions	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches) with lens, not including projecting parts	ø140 x 119 mm (ø5 5/8 x 4 3/4 inches)	ø140 x 118 mm (ø5 5/8 x 4 3/4 inches)	ø147.4 x 190.9 mm (ø5 7/8 x 7 5/8 inches)	ø147.4 x 190.9 mm (ø5 7/8 x 7 5/8 inches)

(*)1 Dual streaming is available when analog output settings for the SLOC port are OFF.

(*)2 Definition of HD: More than 720p with H.264 streaming capability of more than 30/25 fps.

(*)3 When selecting the IP and Analog-over-Coox mode, the power supply supports only AC 24 V.

All cameras in this sheet comply with UL2044.

Hybrid Camera Receivers

Model name	SNCA-ZX104	SNCA-ZP104
	4CH Hybrid Camera Receiver	4CH Hybrid Camera Receiver
		
Number of supported hybrid camera	4	
Camera input	BNC x 4	
Analog video output	BNC x 4	
Network port	RJ45 x 1 (100Base-TX/10Base-T)	
Serial interface	RS-485 x 1	No
Supported Serial PTZ control protocol	Pelco-D	No
Power requirements	DC 12 V (AC 100 V to AC 127 V, AC 200 V to AC 240 V, 50/60 Hz for AC adaptor)	
Dimensions (W x H x D)	210 x 44 x 250 mm (8 1/3 x 1 3/4 x 9 7/8 inches) not including projecting parts	

IPELA HYBRID

sloc

IP Fixed Cameras

Model name	SNC-CH280	SNC-CH240	SNC-CH260	SNC-CH220	SNC-CH210	SNC-CH180	SNC-CH140
							
Video compression format	H.264/MPEG-4/JPEG						
Codec streaming capability	Dual streaming (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format)						
Computer display format							
Maximum resolution	1920 x 1440 (3 Mega) 	1920 x 1440 (3 Mega) 	1920 x 1440 (3 Mega) 	1920 x 1440 (3 Mega) 	2048 x 1536 (3 Mega) 	1280 x 1024 (1.3 Mega) 	1280 x 1024 (1.3 Mega) 
Ingress protection		No		No	No		No
IR illuminators		No		No	No		No
Horizontal viewing angle	88.5° to 32.3°	101.2° to 47.0°	88.5° to 32.3°	101.2° to 47.0°	88°	85.4° to 31.2°	96.5° to 33.9°
Zoom ratio	2.9x optical zoom	2.1x optical zoom	2.9x optical zoom	2.1x optical zoom	Fixed focal lens	2.9x optical zoom	2.9x optical zoom
Focal length	f=3.1 to 8.9 mm	f=2.8 to 6 mm	f=3.1 to 8.9 mm	f=2.8 to 6 mm	f=3.3 mm	f=3.1 to 8.9 mm	f=2.8 to 8 mm
Lens mount	Built-in	CS mount	Built-in	CS mount	Built-in	Built-in	CS mount
Image device	1/2.8-type progressive scan Exmor CMOS Sensor <i>Exmor</i>	1/2.8-type progressive scan Exmor CMOS Sensor <i>Exmor</i>	1/2.8-type progressive scan Exmor CMOS Sensor <i>Exmor</i>	1/2.8-type progressive scan Exmor CMOS Sensor <i>Exmor</i>	1/2.8-type progressive scan Exmor CMOS Sensor <i>Exmor</i>	1/3-type progressive scan Exmor CMOS Sensor <i>Exmor</i>	1/3-type progressive scan Exmor CMOS Sensor <i>Exmor</i>
Minimum illumination	Color: 0.4 lx, B/W: 0 lx (IR ON) (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/ AGC High/ 50 IRE [IP])	Color: 0.4 lx, B/W: 0.25 lx (F1.3/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/ 50 IRE [IP])	Color: 0.7 lx, B/W: 0 lx (IR ON) (F1.2/ AGC 42dB / 50IRE [IP])	Color: 0.7 lx, B/W: 0.45 lx (F1.3/AGC 42 dB/ 50 IRE [IP])	2.0 lx (AGC 38 dB/50 IRE [IP])	Color: 0.22 lx, B/W: 0 lx (IR ON) (F1.2/View-DR OFF/XDNR ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])
Maximum frame rate	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264/ MPEG-4/JPEG at 1280 x 720; 15 fps H.264/ MPEG-4/JPEG at 1920 x 1080	30 fps H.264/JPEG/MPEG-4 at 1280 x 720	30 fps H.264/JPEG/MPEG-4 at 1280 x 720
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Electrical D/N	Day/Night	Day/Night
Wide-D Visibility Enhancer (VE)	 VE	 VE	No	No	No	 VE	 VE
Noise reduction	XDNR	XDNR	Yes	Yes	Yes	XDNR	XDNR
Card slot(s)	CF card x1	CF card x1	No	No	No	CF card x1	CF card x1
Wireless capability	Yes (option)	Yes (option)	No	No	No	Yes (option)	Yes (option)
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)							
ONVIF							
Power requirement	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	PoE (Class 0)	PoE (Class 2)	PoE (Class 1)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)
Power consumption	33 W max.	11.2 W max.	12.9 W max.	5 W max.	2.4 W max.	30 W max.	9 W max.
Dimensions	ø93 x 186 mm (3 3/4 x 7 3/8 inches)	72 x 63 x 197.3 mm (2 7/8 x 2 1/2 x 7 7/8 inches) with lens, not including projecting parts	ø93 x 186 mm (3 3/4 x 7 3/8 inches)	72 x 63 x 197.3 mm (2 7/8 x 2 1/2 x 7 7/8 inches) with lens, not including projecting parts	ø44 x 93 mm (1 3/4 x 3 3/4 inches)	ø93 x 186 mm (3 3/4 x 7 3/8 inches)	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches) with lens, not including projecting parts

(*) Definition of HD: More than 720p with H.264 streaming capability at more than 30/25 fps.

All cameras in this sheet comply with UL2044.

IP Fixed Cameras

Model name ^(*)	SNC-CH160	SNC-CH120	SNC-CH110	SNC-CM120	SNC-EB520	SNC-CS50N/P	SNC-CS20
							
Video compression format Codec streaming capability	H.264/MPEG-4/JPEG Dual streaming (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format)			MPEG-4/JPEG Dual streaming (MPEG-4 and JPEG combination only)	H.264/MPEG-4/JPEG Dual streaming (Any combination with H.264/MPEG-4/JPEG including multiple streams of the same format)	H.264/MPEG-4/JPEG Dual streaming (MPEG-4 and JPEG combination only)	MPEG-4/JPEG
Computer display format	HD ^(*)	HD ^(*)	HD ^(*)	Megapixel	SD	SD	SD
Maximum resolution ^(*)	1280 x 1024 (1.3 Mega) 	1280 x 1024 (1.3 Mega) 	1280 x 960 (1.3 Mega) 	1280 x 960 (1.3 Mega) 	800 x 600	704 x 480 / 704 x 576	768 x 576
Ingress protection	IP66	No	No	No	No	No	No
IR illuminators	IR	No	No	No	No	No	No
Horizontal viewing angle	85.4° to 31.2°	96.5° to 33.9°	80.7°	107.2° to 47°	89.2° to 34.6°	94° to 35°	66.6° to 27.0°
Zoom ratio	2.9x optical zoom	2.9x optical zoom	Fixed focal lens	2.1x optical zoom	2.6x optical zoom	2.7x optical zoom	2.7x optical zoom
Focal length	f=3.1 to 8.9 mm	f=2.8 to 8 mm	f=2.34	f=2.8 to 6 mm	f=3.0 to 8 mm	f=2.9 to 8 mm	f=3.0 to 8 mm
Lens mount	Built-in	CS mount	Built-in	CS mount	CS mount lens	CS mount	CS mount
Image device	1/3-type progressive scan Exmor CMOS Sensor Exmor	1/3-type progressive scan Exmor CMOS Sensor Exmor	1/3.8-type progressive scan CMOS sensor	1/3-type Progressive with ExwavePRO CCD	1/3-type progressive scan Exmor CMOS sensor Exmor	1/3-type SuperExwave CCD	1/4-type Progressive with ExwavePRO CCD
Minimum illumination	Color: 0.5 lx, B/W: 0 lx (IR ON) (F1.2/AGC 42 dB/ 50 IRE [IP])	Color: 0.5 lx, B/W: 0.3 lx (F1.2/AGC 42 dB/ 50 IRE [IP])	5.0 lx (AGC 30 dB/ 50 IRE [IP])	Color: 0.8 lx, B/W: 0.07 lx (50 IRE, F1.3, AGC ON); Color: 0.2 lx, B/W: 0.01 lx (Light Funnel ON, 50 IRE, F1.3, AGC ON)	Color: 0.47 lx, B/W: 0.27 lx (F1.0/AGC ON /50IRE [IP])	Color: 0.4 lx, B/W: 0.04 lx (50 IRE, F 0.95, AGC ON)	Color: 0.2 lx, B/W: 0.01 lx (50 IRE, F1.0, AGC ON) 20 fps MPEG-4 at VGA
Maximum frame rate ^(*)	30 fps H.264/JPEG/MPEG-4 at 1280 x 720	30 fps H.264/JPEG/MPEG-4 at 1280 x 720	30 fps H.264/ MPEG-4/JPEG at 1280 x 960/ 1280 x 720	30 fps JPEG/MPEG-4 at VGA resolution (Light Funnel ON); 15 fps JPEG at 1280 x 960/MPEG-4 at VGA resolution	30 fps	30/25 fps JPEG/MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at 704 x 480/704 x 576 resolution	30 fps MPEG-4 at VGA resolution; 30 fps JPEG at 768 x 576 resolution
Day/Night	Day/Night	Day/Night	Electrical D/N	Day/Night	Day/Night	Day/Night	Day/Night
Wide-D Visibility Enhancer (VE)	No	No	No	No	No	No	No
Noise reduction	Yes	Yes	Yes	No	Yes	No	No
Card slot(s)	No	No	No	No	No	PC card x1	No
Wireless capability	No	No	No	No	No	Yes (option)	No
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)							
ONVIF	ONVIF	ONVIF	ONVIF	No	ONVIF	No	No
Power requirement	PoE (Class 0)	PoE (Class 2)	PoE (Class 1)	AC 24 V, DC 12 V, PoE (Class 0)	PoE (Class 2)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)
Power consumption	12.9 W max.	5 W max.	2.4 W max.	9 W max.	5 W max.	9 W max.	7.5 W max.
Dimensions	ø93 x 186 mm (3 3/4 x 7 3/8 inches)	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches) with lens, not including projecting parts	ø44 x 93 mm (1 3/4 x 3 3/4 inches)	82.5 x 63 x 187.5 mm (3 1/4 x 2 1/2 x 7 1/2 inches) with lens, not including projecting parts	72 x 63 x 187.8 mm (2 7/8 x 2 1/2 x 7 7/8 inches) with lens, not including projecting parts	84 x 69 x 196 mm (3 3/8 x 2 3/4 x 7 3/4 inches) excl. cover equipment 84 x 69 x 265 mm (3 3/8 x 2 3/4 x 10 1/2 inches) incl. cover equipment	82.5 x 63 x 176.2 mm (3 1/4 x 2 1/2 x 7 inches) with lens, not including projecting parts

(*) When the model name includes "/" (slash) such as "SNC-CS50N/P" in this table, please read as "SNC-CS50N" (NTSC model) and "SNC-CS50P" (PAL model). (*) When the Maximum resolution includes "/" such as "704 x 480/704 x 576" in this table, please read as "704 x 480" (NTSC) and "704 x 576" (PAL).

(*) When the frame rate includes "/" such as "30/25 fps" in this table, please read as "30 fps" (NTSC model) and "25 fps" (PAL model).

All cameras in this sheet comply with UL2044. (Except PAL models)

IP Mini Dome Cameras

Model name	SNC-DH280	SNC-DH240T	SNC-DH240	SNC-DH260	SNC-DH220T	SNC-DH220	SNC-DH210T	SNC-DH210	SNC-DH180	SNC-DH140T	SNC-DH140
											
Video compression format	H.264/MPEG-4/JPEG										
Codec streaming capability	Dual streaming (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format)										
Computer display format											
Maximum resolution	1920 x 1440 (3 Mega)	1920 x 1440 (3 Mega)	1920 x 1440 (3 Mega)	1920 x 1440 (3 Mega)	1920 x 1440 (3 Mega)	1920 x 1440 (3 Mega)	2048 x 1536 (3 Mega)	2048 x 1536 (3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)
Ingress protection	IP66	No	No	IP66	No	No	No	No	IP66	No	No
Vandal resistant	IK10	IK10	No	IK10	IK10	No	IK10	No	IK10	IK10	No
IR illuminators	IR	No	No	IR	No	No	No	No	IR	No	No
Horizontal viewing angle	88.5° to 32.3°	88.5° to 32.3°	88.5° to 32.3°	88.5° to 32.3°	88.5° to 32.3°	88.5° to 32.3°	86°	88°	85.4° to 31.2°	85.4° to 31.2°	85.4° to 31.2°
Optical zoom ratio	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	Fixed focal lens	Fixed focal lens	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom
Focal length	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=3.3	f=3.3	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm
Image device	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/2.8-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/3-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/3-type progressive scan Exmor CMOS sensor <i>Exmor.</i>	1/3-type progressive scan Exmor CMOS sensor <i>Exmor.</i>
Minimum illumination	Color: 0.4 lx, B/W: 0 lx (IR ON) (F1.2/View-DR OFF/ XDNr ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])	Color: 0.4 lx, B/W: 0.25 lx (F1.2 View-DR OFF/ XDNr ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])	Color: 0.4 lx, B/W: 0.25 lx (F1.2 View-DR OFF/ XDNr ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])	Color: 0.7 lx, B/W: 0 lx (IR ON) (F1.2/ AGC 42dB/ 50IRE [IP])	Color: 0.7 lx B/W: 0.45 lx (F1.2)/AGC 42 dB/ 50 IRE [IP])	Color: 0.7 lx, B/W: 0.45 lx (F1.2)/AGC 42 dB/ 50 IRE [IP])	2.3 lx (AGC 38 dB/ 50 IRE [IP])	2.0 lx (AGC 38dB)/ 50 IRE [IP])	Color: 0.2 lx, B/W: 0 lx (IR ON) (F1.2 View-DR OFF/ XDNr ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])	Color: 0.2 lx, B/W: 0.1 lx (F1.2 View-DR OFF/ XDNr ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])	Color: 0.2 lx, B/W: 0.1 lx (F1.2 View-DR OFF/ XDNr ON-Middle/ VE OFF/AGC High/ 50 IRE [IP])
Maximum frame rate	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264/ MPEG-4/JPEG at 1280 x 720; 15 fps H.264/ MPEG-4/JPEG at 1920 x 1080	30 fps H.264/ MPEG-4/JPEG at 1280 x 720; 15 fps H.264/ MPEG-4/JPEG at 1920 x 1080	30 fps H.264/ MPEG-4/JPEG at 1280 x 720	30 fps H.264/ MPEG-4/JPEG at 1280 x 720	30 fps H.264/ MPEG-4/JPEG at 1280 x 720
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Electrical D/N	Electrical D/N	Day/Night	Day/Night	Day/Night
Wide-D Visibility Enhancer (VE)	 VE	 VE	 VE	No	No	No	No	No	 VE	 VE	 VE
Noise reduction	XDNr	XDNr	XDNr	Yes	Yes	Yes	Yes	Yes	XDNr	XDNr	XDNr
Card slot(s)	No	No	No	No	No	No	No	No	No	No	No
Wireless capability	No	No	No	No	No	No	No	No	No	No	No
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)											
ONVIF											
Power requirement	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	PoE (Class 0)	PoE (Class 2)	PoE (Class 2)	PoE (Class 1)	PoE (Class 1)	AC 24 V, DC 12 V, PoE(Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)
Power consumption	29 W max.	10.2 W max.	10.2 W max.	12.9 W max.	6 W max.	6 W max.	2.4 W max.	2.4 W max.	28 W max.	8 W max.	10.2 W max.
Dimensions	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø106 x 56.5 mm (4 1/4 x 2 1/4 inches)	ø106 x 50.5 mm (4 1/4 x 2 1/8 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)

(*) Definition of HD: More than 720p with H.264 streaming capability of more than 30/25 fps.

IP Mini Dome Cameras

Model name ^{(*)1}	SNC-DH160	SNC-DH120T	SNC-DH120	SNC-DH110T	SNC-DH110	SNC-EM521	SNC-EM520	SNC-DM160	SNC-DM110	SNC-DS60	SNC-DS10	SNC-DF85N/P	SNC-DF80N/P	SNC-DF50N/P
														
Video compression format	H.264/MPEG-4/JPEG							MPEG-4/JPEG			H.264/MPEG-4/JPEG			
Codec streaming capability	Dual streaming (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format)							Dual streaming (MPEG-4 and JPEG combination only)			Dual streaming (MPEG-4 and JPEG combination only)			
Computer display format	HD ^{(*)2}	HD ^{(*)2}	HD ^{(*)2}	HD ^{(*)2}	HD ^{(*)2}	SD	SD	Megapixel	Megapixel	SD	SD	SD	SD	SD
Maximum resolution ^{(*)3}	1280 x 1024 (1.3 Mega) 	1280 x 1024 (1.3 Mega) 	1280 x 1024 (1.3 Mega) 	1280 x 960 (1.3 Mega) 	1280 x 960 (1.3 Mega) 	800 x 600	800 x 600	1280 x 960 (1.3 Mega) 	1280 x 960 (1.3 Mega) 	768 x 576	768 x 576	704 x 480 / 704 x 576	704 x 480 / 704 x 576	704 x 480 / 704 x 576
Ingress protection	IP66	No	No	No	No	No	No	IP66	No	IP66	No	IP66	IP66	No
Vandal resistant	IK10	IK10	No	IK10	No	IK10	No	IK10	No	IK10	No	IK10	IK10	No
IR illuminators	IR	No	No	No	No	No	No	No	No	No	No	No	No	No
Horizontal viewing angle	85.4° to 31.2°	85.4° to 31.2°	85.4° to 31.2°	79°	80.7°	85.4° to 31.2°	85.4° to 31.2°	100.8° to 27.7°	100.3° to 29.1°	73.9° to 20.8°	73.9° to 20.8°	100.8° to 27.7°	100.8° to 27.7°	100.8° to 27.7°
Zoom ratio	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	Fixed focal lens	Fixed focal lens	2.9x optical zoom	2.9x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom	3.6x optical zoom
Focal length	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=2.34	f=2.34	f=3.1 to 8.9 mm	f=3.1 to 8.9 mm	f=2.8 to 10 mm	f=2.8 to 9.5 mm	f=2.8 to 10 mm	f=2.8 to 10 mm	f=2.8 to 10 mm	f=2.8 to 10 mm	f=2.8 to 10 mm
Image device	1/3-type progressive scan Exmor CMOS sensor <i>Exmor</i>	1/3-type progressive scan Exmor CMOS sensor <i>Exmor</i>	1/3-type progressive scan Exmor CMOS sensor <i>Exmor</i>	1/3.8-type progressive scan CMOS sensor	1/3.8-type progressive scan CMOS sensor	1/3-type progressive scan Exmor CMOS sensor <i>Exmor</i>	1/3-type progressive scan Exmor CMOS sensor <i>Exmor</i>	1/3-type Progressive Scan CCD with ExwavePRO	1/3-type Progressive Scan CCD with ExwavePRO	1/4-type Progressive Scan CCD with ExwavePRO	1/4-type Progressive Scan CCD with ExwavePRO	1/3-type CCD with DynaView	1/3-type Super Exwave CCD	1/3-type CCD with DynaView
Minimum illumination	Color: 0.5 lx, B/W: 0 lx (IR ON) (F1.2/AGC 42 dB /50 IRE [IP])	Color: 0.5 lx, B/W: 0 lx (IR ON) (F1.2/AGC 42 dB /50 IRE [IP])	Color: 0.5 lx, B/W: 0 lx (IR ON) (F1.2/AGC 42 dB /50 IRE [IP])	5.5 lx (AGC 30 dB / 50 IRE [IP])	5.0 lx (AGC 30 dB / 50 IRE [IP])	Color: 0.5 lx, B/W: 0.3 lx (F1.2/AGC ON / 50IRE [IP])	Color: 0.5 lx, B/W: 0.3 lx (F1.2/AGC ON / 50IRE [IP])	Color: 0.4 lx, B/W: 0.08 lx (50 IRE, F1.3, AGC ON) / Color: 0.1 lx, B/W: 0.01 lx (Light Funnel ON, 50 IRE, F1.3, AGC ON)	Color: 0.4 lx (50 IRE, F1.3, AGC ON) / Color: 0.1 lx (Light Funnel ON, 50 IRE, F1.3, AGC ON)	Color: 0.15 lx, B/W: 0.01 lx (50 IRE, F1.3, AGC ON)	0.15 lx (50 IRE, F1.3, AGC ON)	Color: 0.7 lx, B/W: 0.15 lx (50 IRE, F1.3, AGC ON)	Color: 0.6 lx, B/W: 0.06 lx (50 IRE, F1.3, AGC ON)	0.7 lx (50 IRE, F1.3, AGC ON)
Maximum frame rate ^{(*)4}	30 fps H.264 / MPEG-4/JPEG at 1280 x 720	30 fps H.264 / MPEG-4/JPEG at 1280 x 720	30 fps H.264 / MPEG-4/JPEG at 1280 x 720	30 fps H.264 / MPEG-4/JPEG at 1280 x 960 / 1280 x 720	30 fps H.264 / MPEG-4/JPEG at 1280 x 960 / 1280 x 720	30 fps	30 fps	30 fps JPEG / MPEG-4 at VGA resolution (Light Funnel ON); 15 fps 1280 x 960 resolution	30 fps JPEG / MPEG-4 at VGA resolution (Light Funnel ON); 15 fps 1280 x 960 resolution	30 fps MPEG-4 at VGA resolution; 30 fps JPEG at 768 x 576 resolution	30 fps MPEG-4 at VGA resolution; 30 fps JPEG at 768 x 576 resolution	30/25 fps JPEG / MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at VGA resolution	30/25 fps JPEG / MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at VGA resolution	30/25 fps JPEG / MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at VGA resolution
Day/Night	Day/Night	Day/Night	Day/Night	Electrical D/N	Electrical D/N	Day/Night	Day/Night	Day/Night	No	Day/Night	No	Day/Night	Day/Night	No
Wide-D Visibility Enhancer (VE)	No	No	No	No	No	No	No	No	No	No	No	DynaView No	No	DynaView No
Noise reduction	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
Card slot(s)	No	No	No	No	No	No	No	No	No	No	No	CF card x1	CF card x1	No
Wireless capability	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)														
ONVIF								No	No	No	No	No	No	No
Power requirement	PoE (Class 0)	PoE (Class 2)	PoE (Class 2)	PoE (Class 1)	PoE (Class 1)	PoE (Class 2)	PoE (Class 2)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)	AC 24 V, DC 12 V, PoE (Class 0)
Power consumption	12.9 W max.	6 W max.	6 W max.	2.4 W max.	2.4 W max.	6 W max.	6 W max.	12.9 W max.	8 W max.	12.9 W max.	7.5 W max.	10 W max.	10 W max.	9 W max.
Dimensions	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø106 x 56.5 mm (4 1/4 x 2 1/8 inches)	ø106 x 50.5 mm (4 1/4 x 2 1/8 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø177.5 x 141.5 mm (7 x 5 5/8 inches)	ø177.5 x 141.5 mm (7 x 5 5/8 inches)	ø126 x 140.5 mm (5 x 5 5/8 inches)

^{(*)1} When the model name includes "/" (slash) such as "SNC-DF50N/P" in this table, please read as "SNC-DF50N" (NTSC model) and "SNC-DF50P" (PAL model). ^{(*)2} Definition of HD: More than 720p with H.264 streaming capability at more than 30/25 fps. ^{(*)3} When the Maximum resolution includes "/" such as "704 x 480/704 x 576" in this table, please read as "704 x 480" (NTSC) and "704 x 576" (PAL). ^{(*)4} When the frame rate includes "/" such as "30/25 fps" in this table, please read as "30 fps" (NTSC) and "25 fps" (PAL). In the same manner, "704 x 480/704 x 576" means "704 x 480" (NTSC) and "704 x 576" (PAL).

All cameras in this sheet comply with UL2044. (Except PAL models)

IP Rapid Dome and PTZ Cameras

P/T/Z: Pan/Tilt/Zoom

Model name ^(*)	SNC-ER580	SNC-EP580	SNC-ER550	SNC-EP550	SNC-RH164	SNC-RH124	SNC-ER520/ER521	SNC-EP520/EP521
								
Video compression format	H.264/MPEG-4/JPEG							
Codec streaming capability	Dual streaming (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format)							
Computer display format							SD	SD
Maximum resolution ^(*)	1920 x 1080	1920 x 1080	1280 x 720	1280 x 720	1280 x 720	1280 x 720	720 x 480 / 720 x 576	720 x 480 / 720 x 576
Ingress protection	No	No	No	No	IP66	No	No	No
Vandal resistant	No	No	No	No	IK10	No	No	No
Horizontal viewing angle	55.4° to 2.9°	55.4° to 2.9°	55.9° to 2.1°	55.9° to 2.1°	50° to 5.4°	50° to 5.4°	57.8° to 1.7°	57.8° to 1.7°
Zoom ratio	20X optical zoom	20X optical zoom	28X optical zoom	28X optical zoom	10x optical zoom	10x optical zoom	36X optical zoom	36X optical zoom
Focal length	f=4.7 to 94 mm	f=4.7 to 94 mm	f=3.5 to 98 mm	f=3.5 to 98 mm	f=5.1 to 51 mm	f=5.1 to 51 mm	f=3.4 to 122.4 mm	f=3.4 to 122.4 mm
Image device	1/2.8-type Exmor CMOS sensor <i>Exmor</i>	1/2.8-type Exmor CMOS sensor <i>Exmor</i>	1/4-type Exmor CMOS sensor <i>Exmor</i>	1/4-type Exmor CMOS sensor <i>Exmor</i>	1/3-type HD CMOS sensor	1/3-type HD CMOS sensor	1/4-type EXview HAD CCD	1/4-type EXview HAD CCD
Minimum illumination	Color: 1.7 lx, B/W: 0.07 lx (F1.6, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.7 lx, B/W: 0.07 lx (F1.6, shutter 1/30sec, AGC ON, 50IRE[IP])	Color: 1.0 lx, B/W: 0.1 lx (F1.35, shutter 1/30 s, AGC ON, 50 IRE [IP])	Color: 1.0 lx, B/W: 0.1 lx (F1.35, shutter 1/30 s, AGC ON, 50 IRE [IP])	Color: 2.1 lx, B/W: 0.19 lx (XDNR ON, VE ON, Slow Shutter OFF, 50 IRE [IP])	Color: 1.9 lx, B/W: 0.17 lx (XDNR ON, VE ON, Slow Shutter OFF, 50 IRE [IP])	Color: 1.4 lx, B/W: 0.15 lx (F1.6, shutter 1/60sec/ 1/50sec ^(*) , AGC ON, 50 IRE [IP])	Color: 1.4 lx, B/W: 0.15 lx (F1.6, shutter 1/60sec/ 1/50sec ^(*) , AGC ON, 50 IRE [IP])
Maximum frame rate	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264 at 1920 x 1080; 20 fps MPEG-4 at 1920 x 1080; 16 fps JPEG at 1920 x 1080	30 fps H.264/ MPEG-4/JPEG	30 fps H.264/ MPEG-4/JPEG	30 fps H.264/ MPEG-4/JPEG at 1280 x 720	30 fps H.264/ MPEG-4/JPEG at 1280 x 720	30/25 fps ^(*) H.264/ MPEG-4/JPEG	30/25 fps ^(*) H.264/ MPEG-4/JPEG
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night
Wide-D Visibility Enhancer (VE)	DynaView	DynaView	DynaView	DynaView	VE	VE	DynaView	DynaView
Noise reduction	Yes	Yes	Yes	Yes	XDNR	XDNR	Yes	Yes
Card slot(s)	SD card x1	SD card x1	SD card x1	SD card x1	CF card x1	CF card x1	SD card x1	SD card x1
Wireless capability	No	No	No	No	Yes (option)	Yes (option)	No	No
Composite video output	No	No	No	No	Yes	Yes	No	No
DEPA (Intelligence)								
ONVIF								
"Rapid Dome" or "PTZ"	Rapid Dome 	PTZ 	Rapid Dome 	PTZ 	Rapid Dome 	Rapid Dome 	Rapid Dome 	PTZ 
Pan angle	360 degrees endless rotation	340 degrees	360 degrees endless rotation	340 degrees	360° endless	360° endless	360 degrees endless rotation	340 degrees
Tilt angle	-105° to +105° (210° tilt)	-15° to +90°	-105° to +105° (210° tilt)	-15° to +90°	-105° to +105° (210° tilt)	-105° to +105° (210° tilt)	-105° to +105° (210° tilt)	-15° to +90°
"Quick Release" mechanism	No	No	No	No	Quick Release	Quick Release	No	No
Power requirement	AC 24 V, HPoE (Class 4)	AC 24 V, HPoE (Class 4)	AC 24 V, HPoE (Class 4)	AC 24 V, HPoE (Class 4)	AC 24 V	AC 24 V, DC 12 V, HPoE (Class 4)	AC 24 V, HPoE (Class 4)	AC 24 V, HPoE (Class 4)
Power consumption	25 W max.	25 W max.	25 W max.	25 W max.	80 W max.	25 W max.	25 W max.	25 W max.
Dimensions	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)	ø238 x 346 mm (9 3/8 x 13 5/8 inches)	ø154 x 226 mm (6 1/8 x 9 inches)	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)	ø147.4 x 190.9 mm (5 7/8 x 7 5/8 inches)

^(*) When the model name includes "/" (slash) such as "SNC-EP520/EP521" in this table, please read as "SNC-EP520" (NTSC model) and "SNC-EP521" (PAL model). ^(*) Definition of HD: More than 720p with H.264 streaming capability of more than 30/25 fps. ^(*) When the Maximum resolution includes "/" such as "720 x 480/720 x 576" in this table, please read as "720 x 480" (NTSC) and "720 x 576" (PAL). ^(*) 1/60sec is for NTSC model and 1/50sec is for PAL model. ^(*) When the frame rate includes "/" such as "30/25 fps" in this table, please read as "30 fps" (NTSC) and "25 fps" (PAL).

All cameras in this sheet comply with UL2044. (Except PAL models)

IP Rapid Dome and PTZ Cameras

P/T/Z: Pan/Tilt/Zoom

Model name ^(*)	SNC-RS86N/P	SNC-RS84N/P	SNC-RS46N/P	SNC-RS44N/P	SNC-RX570N/P	SNC-RX550N/P	SNC-RX530N/P	SNC-RZ50N/P	SNC-RZ25N/P
									
Video compression format	H.264/MPEG-4/JPEG								MPEG-4/JPEG
Codec streaming capability	Triple streaming (Any combination with H.264/MPEG-4/JPEG, including multiple streams of the same format)				Dual streaming (MPEG-4 and JPEG combination only)				Single streaming (MPEG4/JPEG selectable)
Computer display format	SD	SD	SD	SD	SD	SD	SD	SD	SD
Maximum resolution ^(*)	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	704 x 480 / 704 x 567	640 x 480
Ingress protection	IP66	IP66	No	No	No	No	No	No	No
Vandal resistant	IK10	IK10	No	No	No	No	No	No	No
Horizontal viewing angle	57.8° to 1.7°	48.0° to 2.8°	57.8° to 1.7°	48.0° to 2.8°	57.8° to 1.7°	54.2° to 2.2°	48.0° to 2.8°	42.0° to 1.7°	48° to 2.7°
Zoom ratio	36x optical zoom	18x optical zoom	36x optical zoom	18x optical zoom	36x optical zoom	26x optical zoom	18x optical zoom	26x optical zoom	18x optical zoom
Focal length	f=3.4 to 122.4 mm	f=4.1 to 73.8 mm	f=3.4 to 122.4 mm	f=4.1 to 73.8 mm	f=3.4 to 122.4 mm	f=3.5 to 91 mm	f=4.1 to 73.8 mm	f=3.5 to 91 mm	f=4.1 to 73.8 mm
Image device	1/4-type Exwave HAD CCD sensor	1/4-type Exwave HAD CCD sensor	1/4-type Exwave HAD CCD sensor	1/4-type Exwave HAD CCD sensor	1/4-type Exwave HAD CCD sensor	1/4-type Exwave HAD CCD sensor	1/4-type Exwave HAD CCD sensor	1/4-type Super HAD CCD sensor	1/4-type Exwave HAD CCD sensor
Minimum illumination	^(*) Color: 0.8 lx, B/W: 0.09 lx (50 IRE, XDNR ON, VE ON, Slow Shutter OFF)	^(*) Color: 0.4 lx, B/W: 0.09 lx (50 IRE, XDNR ON, VE ON, Slow Shutter OFF)	^(*) Color: 0.7 lx, B/W: 0.08 lx (50 IRE, XDNR ON, VE ON, Slow Shutter OFF)	^(*) Color: 0.4 lx, B/W: 0.08 lx (XDNR ON /VE ON /Slow Shutter OFF /50 IRE [IP])	Color: 1.4 lx, B/W: 0.15 lx (50 IRE, F1.6, AGC ON)	Color: 1 lx, B/W: 0.15 lx (50 IRE, F1.6, AGC ON)	Color: 0.7 lx (50 IRE, F1.4, AGC ON), B/W: 0.15 lx (50 IRE, F1.4, AGC ON)	Color: 2.2 lx, B/W: 0.3 lx (50 IRE, F1.6, AGC ON)	Color: 0.7 lx, B/W: 0.06 lx (50 IRE, F1.4, AGC ON)
Maximum frame rate ^(*)	30/25 fps H.264/ MPEG-4/JPEG at 720 x 480/720 x 576 resolution	30/25 fps H.264/ MPEG-4/JPEG at 720 x 480/720 x 576 resolution	30/25 fps H.264/ MPEG-4/JPEG at 720 x 480/720 x 576 resolution	30/25 fps H.264/ MPEG-4/JPEG at 720 x 480/720 x 576 resolution	30/25 fps JPEG/ MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at 704 x 480/704 x 576 resolution	30/25 fps JPEG/ MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at 704 x 480/704 x 576 resolution	30/25 fps JPEG/ MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at 704 x 480/704 x 576 resolution	30/25 fps JPEG/ MPEG-4 at 704 x 480/704 x 576 resolution; 10/8 fps H.264 at 704 x 480/704 x 576 resolution	18 fps JPEG or 15 fps MPEG-4 at VGA resolution; 30/25 fps JPEG or MPEG-4 at QVGA resolution
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night
Wide-D Visibility Enhancer (VE)	DynaView VE	DynaView VE	DynaView VE	DynaView VE	DynaView VE	No	No	No	No
Noise reduction	XDNR	XDNR	XDNR	XDNR	No	Yes	Yes	Yes	No
Card slot(s)	CF card x1	CF card x1	CF card x1	CF card x1	PC card x1, Memory Stick x1	PC card x1, Memory Stick x1	PC card x1, Memory Stick x1	PC card x1, CF card x1	CF card x1
Wireless capability	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)	Yes (option)
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)									No
ONVIF					No	No	No	No	No
"Rapid Dome" or "PTZ"	Rapid Dome 	Rapid Dome 	Rapid Dome 	Rapid Dome 	Rapid Dome 	Rapid Dome 	Rapid Dome 	PTZ 	PTZ 
Pan angle	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	-170° to +170°	-170° to +170°
Tilt angle	-105° to +105° (210° tilt)	-105° to +105° (210° tilt)	-105° to +105° (210° tilt)	-105° to +105° (210° tilt)	0° to -90°	0° to -90°	0° to -90°	0° to +115°	0° to +120°
"Quick Release" mechanism	Quick Release	Quick Release	Quick Release	Quick Release	No	No	No	No	No
Power requirement	AC 24 V	AC 24 V	AC 24 V, DC 12 V, HPoE (Class 4) ^(*)	AC 24 V, DC 12 V, HPoE (Class 4) ^(*)	AC 24 V, DC 12 V	AC 24 V, DC 12 V	AC 24 V, DC 12 V	DC 12 V	AC 24 V, DC 12 V
Power consumption	78 W max.	78 W max.	23 W max.	23 W max.	25 W max.	25 W max.	25 W max.	20 W max.	17 W max.
Dimensions	ø238 x 344 mm (9 3/8 x 13 5/8 inches)	ø238 x 344 mm (9 3/8 x 13 5/8 inches)	ø154 x 226 mm (6 1/8 x 9 inches)	ø154 x 226 mm (6 1/8 x 9 inches)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)	160 x 160 x 230 mm (6 3/8 x 6 3/8 x 9 1/8 inches)	140 x 166 x 142 mm (5 5/8 x 6 5/8 x 5 5/8 inches)	140 x 200 x 148 mm (5 5/8 x 8 7/8 x 5 7/8 inches)

^(*) When the model name includes "/" (slash) such as "SNC-RX530N/P" in this table, please read as "SNC-RX530N" (NTSC model) and "SNC-RX530P" (PAL model). ^(*) When the Maximum resolution includes "/" such as "704 x 480/704 x 576" in this table, please read as "704 x 480" (NTSC) and "704 x 576" (PAL).

^(*) Min. Illumination of Analog Video Output of SNC-RS44N/P and SNC-RS46N/P is different from IP video output. Color: 0.7 lx, B/W: 0.15 lx (50 IRE, Slow Shutter OFF). ^(*) Min. Illumination of Analog Video of SNC-RS86N/P and SNC-RS84N/P is as follows. Color: 1.4 lx, B/W: 0.15 lx (50 IRE, Slow Shutter OFF).

^(*) When the frame rate includes "/" such as "30/25 fps" in this table, please read as "30 fps" (NTSC) and "25 fps" (PAL). In the same manner, "704 x 480/704 x 576" means "704 x 480" (NTSC) and "704 x 576" (PAL).

^(*) HPoE is available from the firmware version 1.2.

All cameras in this sheet comply with UL2044. (Except PAL models)

Analog Fixed Cameras

Model name ^(*)	SSC-CB575R/CB574R	SSC-CB565R/CB564R	SSC-CB561R	SSC-CB461R	SSC-YB511R	SSC-YB501R	SSC-YB411R	SSC-YB401R
								
Image device	1/3-type "EXview HAD CCD II" EXview HAD CCD II	1/3-type "EXview HAD CCD II" EXview HAD CCD II	1/3-type "EXview HAD CCD II" EXview HAD CCD II	1/3-type "Super HAD CCD II" Super HAD CCD II	1/3-type "EXview HAD CCD II" EXview HAD CCD II	1/3-type "EXview HAD CCD II" EXview HAD CCD II	1/3-type "Super HAD CCD II" Super HAD CCD II	1/3-type "Super HAD CCD II" Super HAD CCD II
Number of effective pixels (H x V) ^(*)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)	440,000 pixels (752 x 582)	570,000 pixels (976 x 582)	570,000 pixels (976 x 582)	440,000 pixels (752 x 582)	440,000 pixels (752 x 582)
Signal system	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard	PAL standard	PAL standard	PAL standard	PAL standard	PAL standard
Horizontal resolution	700 TV lines (sharp mode)	700 TV lines (sharp mode)	700 TV lines (sharp mode)	540 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines
Ingress protection	IP66	IP66	No	No	No	No	No	No
IR illuminators	Yes (30 m (98 feet))	Yes (30 m (98 feet))	Yes (16 m (52 feet))	Yes (16 m (52 feet))	Yes (10 m (33 feet))	Yes (10 m (33 feet))	Yes (5m (16 feet))	Yes (5m (16 feet))
Minimum illumination	Color: 0.09 lx, B/W: 0 lx (F1.2, 50 IRE) Color: 0.05 lx, B/W: 0 lx (F1.2, 30 IRE)	Color: 0.06 lx, B/W: 0 lx (F1.2, 50 IRE) Color: 0.04 lx, B/W: 0 lx (F1.2, 30 IRE)	Color: 0.06 lx, B/W: 0 lx (F1.2, 50 IRE) Color: 0.04 lx, B/W: 0 lx (F1.2, 30 IRE)	Color: 0.06 lx, B/W: 0 lx (F1.2, 50 IRE) Color: 0.04 lx, B/W: 0 lx (F1.2, 30 IRE)	Color: TBD, B/W: 0 lx (F1.8, 50 IRE) Color: TBD, B/W: 0 lx (F1.8, 30 IRE)	Color: TBD, B/W: 0 lx (F2.0, 50 IRE) Color: TBD, B/W: 0 lx (F2.0, 30 IRE)	Color: TBD, B/W: 0 lx (F1.8, 50 IRE) Color: TBD, B/W: 0 lx (F1.8, 30 IRE)	Color: TBD, B/W: 0 lx (F2.0, 50 IRE) Color: TBD, B/W: 0 lx (F2.0, 30 IRE)
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Electrical D/N	Electrical D/N
Wide-D	No	No	No	No	No	No	No	No
Synchronization	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal lock	Internal lock	Internal lock	Internal lock
Lens type	Built-in varifocal lens	Built-in varifocal lens	Built-in varifocal lens	Built-in varifocal lens	Mono-focal lens	Mono-focal lens	Mono-focal lens	Mono-focal lens
Zoom ratio	Optical 2.4x	Optical 3.7x	Optical 3.7x	Optical 3.7x	Fixed	Fixed	Fixed	Fixed
Horizontal viewing angle	32.1 ° to 13.1 °	101.8 ° to 27.4 °	101.8 ° to 27.4 °	101.8 ° to 27.4 °	46.5°	96.3°	46.5°	96.3°
Focal length	f=9 mm to 22 mm	f=2.8 mm to 10.5 mm	f=2.8 mm to 10.5 mm	f=2.8 mm to 10.5 mm	f= 6.0 mm	f=3.1 mm	f= 6.0 mm	f=3.1 mm
Power requirement	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%	DC 12 V ±10%	DC 12 V ±10%	DC 12 V ±10%	DC 12 V ±10%
Operating temperature	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)
Dimensions	ø 77 x 110 mm (ø 3 1/8 x 4 3/8 inches)	ø 77 x 110 mm (ø 3 1/8 x 4 3/8 inches)	63 x 57 x 127 mm (2 1/2 x 2 1/4 x 5 inches)	63 x 57 x 127 mm (2 1/2 x 2 1/4 x 5 inches)	63 x 57 x 109 mm (2 1/2 x 2 1/4 x 4 3/4 inches)	63 x 57 x 109 mm (2 1/2 x 2 1/4 x 4 3/4 inches)	63 x 57 x 109 mm (2 1/2 x 2 1/4 x 4 3/4 inches)	63 x 57 x 109 mm (2 1/2 x 2 1/4 x 4 3/4 inches)

(*) When the model name includes "/" (slash) such as "SSC-G103/G103A" in this table, please read as "SSC-G103" (PAL model) and "SSC-G103A" (NTSC model).

(*) When Number of effective pixels includes "/" such as "440,000 pixels (752 x 582)/380,000 pixels (768 x 494)" in this table, please read as "440,000 pixels (752 x 582)" (PAL) and "380,000 pixels (768 x 494)" (NTSC).

Analog Fixed Cameras

Model name ^(*)	SSC-FB561/FB560	SSC-FB531/FB530	SSC-G213/G213A	SSC-G218	SSC-G113/G113A	SSC-G118	SSC-G203/G203A	SSC-G208	SSC-G103/G103A	SSC-G108
										
Image device	A lens is an optional 1/3-type "Super HAD CCD II" Super HAD CCD II.	A lens is an optional 1/3-Type "Super HAD CCD II" Super HAD CCD II.	A lens is an optional 1/3-type "EXview HAD CCD II" EXview HAD CCD II.	A lens is an optional 1/3-type "EXview HAD CCD II" EXview HAD CCD II.	A lens is an optional 1/3-type "EXview HAD CCD II" EXview HAD CCD II.	A lens is an optional 1/3-type "EXview HAD CCD II" EXview HAD CCD II.	A lens is an optional 1/3-type "Super HAD CCD II" Super HAD CCD II.	A lens is an optional 1/3-type "Super HAD CCD II" Super HAD CCD II.	A lens is an optional 1/3-type "Super HAD CCD II" Super HAD CCD II.	A lens is an optional 1/3-type "Super HAD CCD II" Super HAD CCD II.
Number of effective pixels (H x V) ^(*)	570,000 pixels (976 x 582) / 480,000 pixels (976 x 494)	570,000 pixels (976 x 582) / 480,000 pixels (976 x 494)	570,000 pixels (976 x 582) / 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)	570,000 pixels (976 x 582) / 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)	440,000 pixels (752 x 582) / 380,000 pixels (768 x 494)	440,000 pixels (752 x 582)	440,000 pixels (752 x 582) / 380,000 pixels (768 x 494)	440,000 pixels (752 x 582)
Signal system	PAL standard / NTSC standard	PAL standard / NTSC standard	PAL standard / NTSC standard	PAL standard	PAL standard / NTSC standard	PAL standard	PAL standard / NTSC standard	PAL standard	PAL standard / NTSC standard	PAL standard
Horizontal resolution	700 TV lines (sharp mode)	700 TV lines (sharp mode)	650 TV lines	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines	540 TV lines	540 TV lines
Ingress protection	No	No	No	No	No	No	No	No	No	No
IR illuminators	No	No	No	No	No	No	No	No	No	No
Minimum illumination	Color: 0.08 lx, B/W: 0.01 lx (F1.2/AGC ON/ 50 IRE) Color: 0.05 lx, B/W: 0.006 lx (F1.2/AGC ON/ 30 IRE)	Color: 0.08 lx, B/W: 0.05 lx (F1.2/AGC ON/ 50 IRE) Color: 0.05 lx, B/W: 0.03 lx (F1.2/AGC ON/ 30 IRE)	Color: 0.15 lx, B/W: 0.01 lx (F1.2/AGC ON/ 50 IRE) Color: 0.08 lx, B/W: 0.003 lx (F1.2/AGC ON/ 30 IRE)	Color: 0.15 lx, B/W: 0.01 lx (F1.2/AGC ON/ 50 IRE) Color: 0.08 lx, B/W: 0.003 lx (F1.2/AGC ON/ 30 IRE)	Color: 0.15 lx, B/W: 0.1 lx (F1.2, 50 IRE); Color: 0.08 lx, B/W: 0.03 lx (F1.2, 30IRE)	Color: 0.15 lx, B/W: 0.1 lx (F1.2, 50 IRE); Color: 0.08 lx, B/W: 0.03 lx (F1.2, 30IRE)	Color: 0.15 lx, B/W: 0.01 lx (F1.2/AGC ON/ 50 IRE) Color: 0.08 lx, B/W: 0.003 lx (F1.2/AGC ON/ 30 IRE)	Color: 0.15 lx, B/W: 0.01 lx (F1.2/AGC ON/ 50 IRE) Color: 0.08 lx, B/W: 0.003 lx (F1.2/AGC ON/ 30 IRE)	Color: 0.15 lx, B/W: 0.1 lx (F1.2, 50 IRE); Color: 0.08 lx, B/W: 0.03 lx (F1.2, 30 IRE)	Color: 0.15 lx, B/W: 0.10 lx (F1.2/AGC ON/ 50 IRE) Color: 0.08 lx, B/W: 0.03 lx (F1.2/AGC ON/ 30 IRE)
Day/Night	Day/Night	Electrical D/N	Day/Night	Day/Night	Electrical D/N	Electrical D/N	Day/Night	Day/Night	Electrical D/N	Electrical D/N
Wide-D	DynaViewSX	DynaViewSX	No	No	No	No	No	No	No	No
Synchronization	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable
Lens type	CS mount lens	CS mount lens	CS mount lens	CS mount lens	CS mount lens	CS mount lens	CS mount lens	CS mount lens	CS mount lens	CS mount lens
Zoom ratio	-	-	-	-	-	-	-	-	-	-
Horizontal viewing angle	-	-	-	-	-	-	-	-	-	-
Focal length	-	-	-	-	-	-	-	-	-	-
Power requirement	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10 %, DC 12 V ±10 %	AC 220 V to 240 V	AC 24 V ±10 %, DC 12 V ±10 %	AC 220 V to 240 V	AC 24 V ±10 %, DC 12 V ±10 %	AC 220 V to 240 V	AC 24 V ±10 %, DC 12 V ±10 %	AC 220 V to 240 V
Operating temperature	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)	-10 °C to +50 °C (14 F° to 122 F°)
Dimensions	63 x 57 x 88 mm (2 1/2 x 2 1/4 x 3 1/2 inches) without lens, not including projecting parts	63 x 57 x 88 mm (2 1/2 x 2 1/4 x 3 1/2 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts	117.6 x 63.2 x 57.2 mm (4 3/4 x 2 1/2 x 2 3/8 inches) without lens, not including projecting parts

^(*) When the model name includes "/" (slash) such as "SSC-G103/G103A" in this table, please read as "SSC-G103" (PAL model) and "SSC-G103A" (NTSC model).

^(*) When Number of effective pixels includes "/" such as "440,000 pixels (752 x 582)/380,000 pixels (768 x 494)" in this table, please read as "440,000 pixels (752 x 582)" (PAL) and "380,000 pixels (768 x 494)" (NTSC).

Analog Mini Dome Cameras

Model name ^(*)	SSC-CM565R/CM564R	SSC-CM561R/CM560R	SSC-CM461R/CM460R	SSC-YM511R/YM510R	SSC-YM501R/YM500R	SSC-YM411R/YM410R	SSC-YM401R/YM400R	SSC-FM561/FM560	SSC-FM531/FM530
									
Image device	1/3-type "EXview HAD CCD II" <i>EXview HAD CCD II.</i>	1/3-type "EXview HAD CCD II" <i>EXview HAD CCD II.</i>	1/3-type "Super HAD CCD II" <i>Super HAD CCD II.</i>	1/3-type "EXview HAD CCD II" <i>EXview HAD CCD II.</i>	1/3-type "EXview HAD CCD II" <i>EXview HAD CCD II.</i>	1/3-type "Super HAD CCD II" <i>Super HAD CCD II.</i>	1/3-type "Super HAD CCD II" <i>Super HAD CCD II.</i>	1/3-type "Super HAD CCD II" <i>Super HAD CCD II.</i>	1/3-type "Super HAD CCD II" <i>Super HAD CCD II.</i>
Number of effective pixels (H x V) ^(*)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	440,000 pixels (752 x 582)/ 380,000 pixels (768 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	440,000 pixels (752 x 582)/ 380,000 pixels (768 x 494)	440,000 pixels (752 x 582)/ 380,000 pixels (768 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)
Signal system	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard
Horizontal resolution	700 TV lines (sharp mode)	700 TV lines (sharp mode)	540 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines	700 TV lines (sharp mode)	700 TV lines (sharp mode)
Ingress protection	IP66	No	No	No	No	No	No	No	No
IR illuminators	Yes (30 m (98 feet))	Yes (16 m (52 feet))	Yes (16 m (52 feet))	Yes (10 m (33 feet))	Yes (10 m (33 feet))	Yes (5m (16 feet))	Yes (5m (16 feet))	No	No
Minimum illumination	Color: 0.06 lx, B/W: 0 lx (F1.2, 50 IRE) Color: 0.04 lx, B/W: 0 lx (F1.2, 30 IRE)	Color: 0.06 lx, B/W: 0 lx (F1.2, 50 IRE) Color: 0.04 lx, B/W: 0 lx (F1.2, 30 IRE)	Color: 0.06 lx, B/W: 0 lx (F1.2, 50 IRE) Color: 0.04 lx, B/W: 0 lx (F1.2, 30 IRE)	Color: TBD, B/W: 0 lx (F1.8, 50 IRE) Color: TBD, B/W: 0 lx (F1.8, 30 IRE)	Color: TBD, B/W: 0 lx (F2.0, 50 IRE) Color: TBD, B/W: 0 lx (F2.0, 30 IRE)	Color: TBD, B/W: 0 lx (F1.8, 50 IRE) Color: TBD, B/W: 0 lx (F1.8, 30 IRE)	Color: TBD, B/W: 0 lx (F2.0, 50 IRE) Color: TBD, B/W: 0 lx (F2.0, 30 IRE)	Color: 0.1 lx, B/W: 0.01 lx (F1.2, 50 IRE); Color: 0.06 lx, B/W: 0.006 lx (F1.2, 30 IRE)	Color: 0.1 lx, B/W: 0.07 lx (F1.2, 50 IRE); Color: 0.06 lx, B/W: 0.05 lx (F1.2, 30 IRE)
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Electrical D/N	Electrical D/N	Day/Night	Electrical D/N
Wide-D	No	No	No	No	No	No	No	DynaViewSX	DynaViewSX
Synchronization	Internal/ AC line lock selectable	Internal/AC line lock selectable	Internal/AC line lock selectable	Internal lock	Internal lock	Internal lock	Internal lock	Internal/ AC line lock selectable	Internal/ AC line lock selectable
Lens type	Built-in variable focal lens	Built-in variable focal lens	Built-in variable focal lens	Mono-focal lens	Mono-focal lens	Mono-focal lens	Mono-focal lens	Built-in variable focal lens	Built-in variable focal lens
Zoom ratio	Optical 3.7x	Optical 3.7x	Optical 3.7x	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Horizontal viewing angle	101.8° to 27.4°	101.8° to 27.4°	101.8° to 27.4°	46.5°	96.3°	46.5°	96.3°	101.8° to 27.4°	99.5° to 27.4°
Focal length	f=2.8 to 10.5 mm	f=2.8 to 10.5 mm	f=2.8 to 10.5 mm	f=6.0 mm	f=3.1 mm	f=6.0 mm	f=3.1 mm	f=2.8 to 10.5 mm	f=2.8 to 10.5 mm
Pan angle	355°	355°	355°	355°	355°	355°	355°	355°	355°
Tilt angle	±77°	±66°	±66°	±66°	±66°	±66°	±66°	±77°	±77°
Swivel range	350°	350°	350°	350°	350°	350°	350°	350°	350°
Power requirement	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%	DC 12 V ±10%	DC 12 V ±10%	DC 12 V ±10%	DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)
Dimensions	ø139.4 x 103 mm (5 1/2 x 4 1/8 inches)	ø121.6 mm x 86.5 mm (ø4 7/8 x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø4 7/8 x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø4 7/8 x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø4 7/8 x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø4 7/8 x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø4 7/8 x 3 1/2 inches)	ø121.6 x 86.5 mm (ø4 7/8 x 3 1/2 inches)	ø121.6 x 86.5 mm (ø4 7/8 x 3 1/2 inches)

(*) When the model name includes "/" (slash) such as "SSC-FM561/SSC-FM560" in this table, please read as "SSC-FM561" (PAL model) and "SSC-FM560" (NTSC model).

(*) When Number of effective pixels includes "/" such as "570,000 pixels (976 x 582)/480,000 pixels (976 x 494)" in this table, please read as "570,000 pixels (976 x 582)" (PAL) and "480,000 pixels (976 x 494)" (NTSC).

Analog Mini Dome Cameras

Model name ^(*)	SSC-N24/N24A	SSC-N21/N21A	SSC-N14/N14A	SSC-N13/N13A	SSC-N22/N22A	SSC-N20/N20A	SSC-N12/N12A	SSC-N11/N11A
								
Image device	1/3-type "EXview HAD CCD II" EXviewHAD CCD II.	1/3-type "EXview HAD CCD II" EXviewHAD CCD II.	1/3-type "EXview HAD CCD II" EXviewHAD CCD II.	1/3-type "EXview HAD CCD II" EXviewHAD CCD II.	1/3-type "EXview HAD CCD II" EXviewHAD CCD II.	1/3-type "EXview HAD CCD II" EXviewHAD CCD II.	1/3-Type "Super HAD CCD II" SuperHAD CCD II.	1/3-Type "Super HAD CCD II" SuperHAD CCD II.
Number of effective pixels (H x V) ^(*)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	570,000 pixels (976 x 582)/ 480,000 pixels (976 x 494)	440,000 pixels (752 x 582)/ 380,000 pixels (768 x 494)	440,000 pixels (752 x 582)/ 380,000 pixels (768 x 494)	440,000 pixels (752 x 582)/ 380,000 pixels (768 x 494)	440,000 pixels (752 x 582)/ 380,000 pixels (768 x 494)
Signal system	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard	PAL standard/ NTSC standard
Horizontal resolution	650 TV lines	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines	540 TV lines	540 TV lines
Ingress protection	No	No	No	No	No	No	No	No
IR illuminators	No	No	No	No	No	No	No	No
Minimum illumination	Color: 0.15 lx, B/W: 0.01 lx (F1.2, 50 IRE); Color: 0.08 lx, B/W: 0.003 lx (F1.2, 30 IRE)	Color: 0.15 lx, B/W: 0.1 lx (F1.2, 50 IRE); Color: 0.08 lx, B/W: 0.003 lx (F1.2, 30 IRE)	Color: 0.3 lx, B/W: 0.2 lx (F2.0, 50 IRE); Color: 0.18 lx, B/W: 0.07 lx (F2.0, 30 IRE)	Color: 0.4 lx, B/W: 0.25 lx (F2.0, 50 IRE); Color: 0.2 lx, B/W: 0.08 lx (F2.0, 30 IRE)	Color: 0.15 lx, B/W: 0.01 lx (F1.2, 50 IRE); Color: 0.08 lx, B/W: 0.003 lx (F1.2, 30 IRE)	Color: 0.15 lx, B/W: 0.1 lx (F1.2, 50 IRE); Color: 0.08 lx, B/W: 0.003 lx (F1.2, 30 IRE)	Color: 0.3 lx, B/W: 0.2 lx (F2.0, 50 IRE); Color: 0.18 lx, B/W: 0.07 lx (F2.0, 30 IRE)	Color: 0.55 lx, B/W: 0.3 lx (F2.0, 50 IRE); Color: 0.35 lx, B/W: 0.2 lx (F2.0, 30 IRE)
Day/Night	Day/Night	Electrical D/N	Electrical D/N	Electrical D/N	Day/Night	Electrical D/N	Electrical D/N	Electrical D/N
Synchronization	Internal/ AC line lock selectable	Internal/ AC line lock selectable	Internal lock	Internal lock	Internal/ AC line lock selectable	Internal/ AC line lock selectable	Internal lock	Internal lock
Lens type	Built-in variable focal lens	Built-in variable focal lens	Mono-focal lens	Mono-focal lens	Built-in variable focal lens	Built-in variable focal lens	Mono-focal lens	Mono-focal lens
Zoom ratio	Optical 3.7x	Optical 3.7x	Fixed	Fixed	Optical 3.7x	Optical 3.7x	Fixed	Fixed
Horizontal viewing angle	101.8 degree to 27.4 degree	99.5 degree to 27.4 degree	46 degree	95.9 degree	101.8 degree to 27.4 degree	99.5 degree to 27.4 degree	46 degree	95.9 degree
Focal length	f=2.8 to 10.5 mm	f=2.8 to 10.5 mm	f=6.0 mm	f=3.0 mm	f=2.8 to 10.5 mm	f=2.8 to 10.5 mm	f=6.0 mm	f=3.0 mm
Panning range	355 degree	355 degree	340 degree	340 degree	355 degree	355 degree	340 degree	340 degree
Tilting range	±77 degree	±77 degree	±75 degree	±45.3 degree	±77 degree	±77 degree	±75 degree	±45.3 degree
Swivel range	350 degree	350 degree	340 degree	340 degree	350 degree	350 degree	340 degree	340 degree
Power requirement	AC24 V ±10%, DC12 V ±10%	AC24 V ±10%, DC12 V ±10%	DC12 V ±10%	DC12 V ±10%	AC24 V ±10%, DC12 V ±10%	AC24 V ±10%, DC12 V ±10%	DC12 V ±10%	DC12 V ±10%
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)
Dimensions	ø121.6 mm x 86.5 mm (ø 4 7/8 x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø 4 7/8 x 3 1/2 inches)	ø 85.2mm x 63.5 mm (ø 3 3/8 inches x 2 1/2 inches)	ø 84 mm x 53 mm (ø 3 3/8 inches x 2 1/8 inches)	ø121.6 mm x 86.5 mm (ø 4 7/8 x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø 4 7/8 x 3 1/2 inches)	ø 85.2mm x 63.5 mm (ø 3 3/8 inches x 2 1/2 inches)	ø 84 mm x 53 mm (ø 3 3/8 inches x 2 1/8 inches)

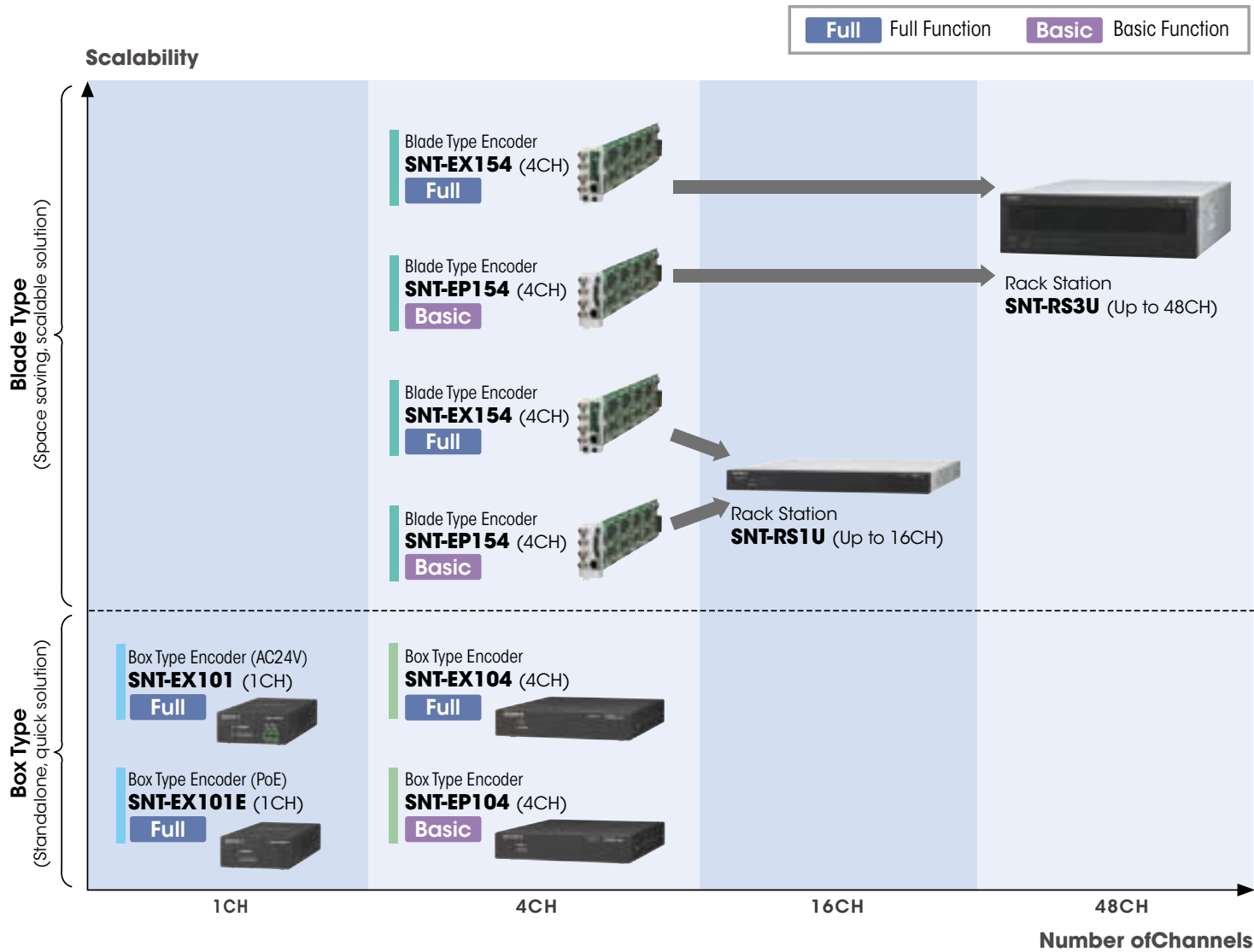
(*) When the model name includes "/" (slash) such as "SSC-FM561/SSC-FM560" in this table, please read as "SSC-FM561" (PAL model) and "SSC-FM560" (NTSC model).

(*) When Number of effective pixels includes "/" such as "570,000 pixels (976 x 582)/480,000 pixels (976 x 494)" in this table, please read as "570,000 pixels (976 x 582)" (PAL) and "480,000 pixels (976 x 494)" (NTSC).

Analog Rapid Dome Cameras

Model name	SSC-SD36P	SSC-SD26P	SSC-CR481
			
Image device	1/4-type CCD with "Exwave HAD" technology ExwaveHAD™	1/4-type CCD with "Exwave HAD" technology ExwaveHAD™	1/4-type CCD with "Exwave HAD" technology ExwaveHAD™
Number of effective pixels (H x V)	440,000 pixels (752 x 582)	440,000 pixels (752 x 582)	440,000 pixels (752 x 582)
Signal system	PAL standard	PAL standard	PAL standard
Horizontal resolution	540 TV lines	540 TV lines	550 TV lines
Ingress protection	IP66	IP66	No
Minimum illumination	Color: 1.4 lux, B/W: 0.01 lux (F1.6, 50 IRE); Color: 0.7 lux, B/W: 0.005 lux (F1.6, 30 IRE)	Color: 1 lux, B/W: 0.01 lux (F1.6, 50 IRE); Color: 0.6 lux, B/W: 0.004 lux (F1.6, 30 IRE)	Color: 1.4 lx, B/W: 0.15 lx (F1.6, 50 IRE); Color: 0.9 lx, B/W: 0.1 lx (F1.6, 30 IRE)
Day/Night	Day/Night	Day/Night	Day/Night
Wide-D	DynaView	DynaView	DynaView
Synchronization	Internal/ AC line lock selectable	Internal/ AC line lock selectable	Internal/AC line lock selectable
Lens type	Auto-focus zoom lens	Auto-focus zoom lens	Auto-focus zoom lens
Zoom ratio	Optical 36x	Optical 26x	Optical 36x
Horizontal viewing angle	1.7 degree to 57.8 degree	2.2 degrees to 54.2 degrees	1.7° to 57.8°
Focal length	f=3.4 mm to 122.4 mm	f=3.5 mm to 91.0 mm	f=3.4 to 122.4 mm
Pan angle	360 degree endless	360 degree endless	360 degrees endless
Tilt angle	-92 degrees to 0 degrees	-92 degrees to 0 degrees	210 degrees
Power requirement	AC 24 V ± 10 %	AC 24 V ± 10 %	AC 24 V ±10%
Operating temperature	-40 °C to +50 °C (-40 F° to +122 F°)	-40 °C to +50 °C (-40 F° to +122 F°)	-10 °C to +50 °C (14 °F to 122 °F)
Dimensions	ø 236.2 x 360.8 mm (ø 9 3/8 x 14 1/4 inches)	ø 236.2 x 360.8 mm (ø 9 3/8 x 14 1/4 inches)	ø 147.4 x 190.9 mm (ø 5 7/8 x 7 5/8 inches)

Surveillance Video Encoders



Rack Station



SNT-RS1U

Accepts up to 4 blade encoders
(up to 16 ch)
Universal power capability
AC 100V - AC240V, 50/60 Hz



SNT-RS3U

Accepts up to 12 blade encoders
(up to 48 ch)
Universal power capability
AC 100V - AC240V, 50/60 Hz

Optional Accessory



SNTA-RP1

Redundant Power Supply Unit
(for SNT-RS3U only)

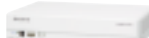
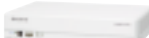
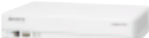
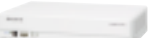
	Full Function				Basic Function	
	1CH Box		4CH Box	4CH Blade	4CH Box	4CH Blade
	SNT-EX101	SNT-EX101E	SNT-EX104	SNT-EX154	SNT-EP104	SNT-EP154
						
Codec image size (HxV)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)
Video compression format	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)
Maximum frame rate	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)
PTZ control	Yes	Yes	Yes	Yes	No	No
Visibility Enhancer	Yes	Yes	Yes	Yes	Yes	Yes
Noise reduction	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR
Coaxitron® control	Yes	Yes	Yes	Yes	No	No
Serial interface	RS-422/RS-485	RS-422/RS-485	RS-485	RS-485	-	-
USB memory slots	x 1 ^(*)	x 1 ^(*)	x 4 ^(*)	-	-	-
Sensor input	x 2	x 2	x 4	x 4	-	-
Alarm output	x 2	x 2	x 4	x 4	-	-
Audio interface (IN/OUT)	IN x 1, OUT x 1	IN x 1, OUT x 1	IN x 4, OUT x 4	IN x 1, OUT x 1	-	-
Audio support	Yes - Full Duplex	Yes - Full Duplex	Yes - Full Duplex	Yes - Full Duplex	No	No
DEPA Advanced (Intelligence)					No	No
ONVIF						
Dimensions (W x H x D)	73 x 34 x 155 mm (2 7/8 x 1 3/8 x 6 1/8 inches)	73 x 34 x 155 mm (2 7/8 x 1 3/8 x 6 1/8 inches)	210 x 44 x 250 mm (8 3/8 x 1 3/4 x 9 7/8 inches)	78 x 34 x 382 mm (3 1/8 x 1 3/8 x 15 1/8 inches)	210 x 44 x 250 mm (8 3/8 x 1 3/4 x 9 7/8 inches)	78 x 34 x 382 mm (3 1/8 x 1 3/8 x 15 1/8 inches)
Power requirements	AC 24V in, with loop through output Input: AC 24V, +/- 20%	PoE (Class 2)	DC12 V	From Rack Station	DC12 V	From Rack Station

(*) USB slots are inside the chassis, not on the front or rear panels.

These products include software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)

All encoders in this sheet comply with UL60950-1. (Except SNT-EP154/EX154/)

Network Surveillance Recording Servers

	NSR-1200	NSR-1100	NSR-1050H	NSR-500	NSR-S20 (2TB)	NSR-S20 (Without HDD)	NSR-S10 (1TB)	NSR-S10 (Without HDD)
								
Video/Recording								
Number of cameras supported	Max. 64 (IP/Analog total)	Max. 32 (IP/Analog total)	Max. 20 (IP/Analog total)	Max. 16 (Max. 24ch w/NSBK-CLO5) (IP/Analog total)	Max. 8		Max. 4	
Number of analog cameras	Max. 16 with optional NSBK-A16 or NSBK-A16H		Max. 16	No	No		No	
Video recording format (IP camera)	H.264/MPEG-4/JPEG			H.264 / MPEG-4 / JPEG	H.264/MPEG-4/JPEG		H.264/MPEG-4/JPEG	
Video recording format (Analog camera)	H.264 or MPEG-4 (with NSBK-A16H or NSBK-A16)			No	No		No	
Total recording frame rate	1,200fps (40 camera x 30fps at MPEG-4, VGA, 1Mbps)	960fps (32 camera x 30fps at MPEG-4, VGA, 1Mbps)	600fps (20 camera x 30fps at MPEG-4, VGA, 1Mbps)	480fps (at H.264, Full-HD, 4Mbps)	120fps (at H.264, Full-HD, 4Mbps)		60fps (at H.264, Full-HD, 4Mbps)	
Hard disk drives (Physical capacity)	4TB (1TB x4)	2TB (1TB x2)	1TB (1TB x1)	Expandable up to 12TB (2TB x 6)	2TB	No HDD	1TB (1TB x1)	No HDD
Hard disk drives (RAID level)	RAID 0, RAID 1+0, RAID 5	RAID 0, RAID 1	No	RAID 0, RAID 1, RAID 1+0, RAID 5, RAID 5+hot spare	No		No	
Optical disc drive	DVD/CD Drive x1			No	No		No	
Expansion storage	NSRE-S200, iSCSI storage			iSCSI storage (max. 16TB)	e-SATA storage (max. 4TB)		e-SATA storage (max. 4TB)	
Video Output								
Monitor OUT 1	HDMI (Type A) x1 and D-sub 15-pin x2 (Front and Rear)			Analog RGB (D-sub 15-pin) x 1 *3	Analog RGB (D-sub 15-pin) x 1		Analog RGB (D-sub 15-pin) x 1	
Monitor OUT 2	HDMI (Type A) x1 or D-sub 15-pin x1 (Rear)			No	No		No	
Audio Output								
Audio OUT	RCA-pin L/R x1 Stereo Pair			Stereo mini jack x 1	Terminal connector x 1		Terminal connector x 1	
Sensor Input/Alarm Output								
Sensor input	Terminal connector x 8			Terminal connector x 8	Terminal connector x 4		Terminal connector x 4	
Alarm output	Terminal connector x 8			Terminal connector x 8	Terminal connector x 1		Terminal connector x 1	
Other Interfaces								
Network port	1000BASE-T/100BASE-TX/10BASE-T x4 *1			1000BASE-T/100BASE-TX/10BASE-T x 2	1000BASE-T/100BASE-TX/10BASE-T x 2		1000BASE-T/100BASE-TX/10BASE-T x 2	
USB	USB2.0 x3 (Front), USB2.0 x3 (Rear)			USB2.0 x 2 (Front), USB2.0 x 2 (Rear)	USB2.0 x 1 (Front), USB2.0 x 2 (Rear)		USB2.0 x 1 (Front), USB2.0 x 2 (Rear)	
Serial interface (for UPS)	RS-232C : D-sub 9-pin x1			RS-232C : D-sub 9-pin x 1	No		No	
Serial interface (for analog camera control)	RS-232C : D-sub 9pin x1, RS-422/RS-485 x1 *2			No	No		No	
General								
Dimensions (W x H x D)	430 x 87 x 417 mm (17 x 3 1/2 x 16 1/2 inches) * excluding protrusions			440 x 89 x 392mm (17 3/8 x 3 1/2 x 15 1/2 inches) * excluding protrusions	245 x 53 x 160mm (9 3/4 x 2 1/8 x 6 3/8 inches) * excluding protrusions		245 x 53 x 160mm (9 3/4 x 2 1/8 x 6 3/8 inches) * excluding protrusions	
Mass	Approx. 13.5 kg (29 lb 12 oz)	Approx. 12 kg (26 lb 7 oz)	Approx. 11.5 kg (25 lb 6 oz)	Approx. 6.8 kg (15 lb) (without HDD unit)	Approx. 1.4 Kg (3 lb 1oz)	Approx. 0.8 Kg (1 lb 12oz)	Approx. 1.4 Kg (3 lb 1oz)	Approx. 0.8 Kg (1 lb 12oz)
Power requirements	100V to 127V AC/ 200V to 240V (50/60Hz)			100V to 127V AC / 200V to 240V (50/60Hz)	DC 12V (AC adapter: 100V to 240V AC, 50/60Hz)		DC 12V (AC adapter: 100V to 240V AC, 50/60Hz)	
Power consumption	Approx. 265 W (typical) (Max. 350 W)	Approx. 185 W (typical) (Max. 350 W)	Approx. 175 W (typical) (Max. 350 W)	max. 250W (100-240V 3.5-1.5A)	Approx. 36W		Approx. 36W	
Operating temperature	5 to 40°C (41 to 104°F)			5 to 40°C (41 to 104°F)	5 to 40°C (41 to 104°F)		5 to 40°C (41 to 104°F)	
Operation humidity	20 to 80%			20 to 80% (no condensing)	20% to 80%		20% to 80%	
Optional accessories	RM-NS1000, NSRE-S200, NSR-RM1, NSBK-A16, NSBK-A16H		RM-NS1000, NSRE-S200, NSR-RM1	NSBK-EB05, NSBK-CLO5, NSBK-HS05:01, NSBK-HS05:02, RM-NS1000	-		-	

*1: More than one connector cannot be used at a time. *2: VISCA and Pelco-D are supported. *3: The monitoring performance depends on the number of camera registered and recorded. So display out is used for making settings.

Intelligent Monitoring Software

RealShot Manager Advanced and RealShot Manager Lite



	IMZ-NS101	IMZ-NS104	IMZ-NS109	IMZ-NS116	IMZ-NS132	RSM Lite (Free Software)
	RSM Advanced with 1 camera license	RSM Advanced with 4 camera licenses	RSM Advanced with 9 camera licenses	RSM Advanced with 16 camera licenses	RSM Advanced with 32 camera licenses	RSM Lite with 9 camera licenses
Specifications						
Video compression	H.264/MPEG-4/JPEG					
Audio compression	G.711/G.726					
Number of clients to be connected (Recommendation) *1	10					3
Number of cameras to be supported	1 *2	4 *2	9 *2	16 *2	32	9
Number of audio to be supported	1	4	9	16	32	9
System Requirements						
Operating system	Windows 7 Professional, Windows 7 Enterprise, Windows Vista® Business SP2 (32 bit), Windows Vista® Enterprise SP2 (32 bit), Windows® XP Professional SP3 (32 bit), Windows® Server 2003 Standard Edition SP2(32bit), Windows® Server 2008 Standard Edition SP2 (32 bit), Windows Server 2008 R2 Standard					
CPU	Intel Core™ 2Duo 2.0-GHz or higher					
Main memory	1 GB or more (2 GB Recommended)					
HDD	2 GB spare capacity					
Video card	1024 x 768, 16/24 bit color					
Network interface card (NIC)	100BASE-TX or higher					
Display (Resolution)	1024 x 768 or higher					
Optional accessories	RM-NS1000 (System Controller)					

*1: The figures in the table are recommended numbers of clients to assure high performance. It is technically possible to connect more clients to a server, but such increase may deteriorate the overall performance.

*2: It is possible to operate with combining multiple licenses.

SONY
make.believe

Distributed by

©2012 Sony Corporation. All rights reserved.
Reproduction in whole or in part without written permission is prohibited.
Features and specifications are subject to change without notice.
All non-metric weights and measurements are approximate.
"Sony", "make.believe", "IPELA HYBRID", "Exmor", "DynaView", "DEPA", and "X's" are trademarks of Sony Corporation.
SLOC is a trademark owned by the Intersil Corporation family of companies.
All other trademarks are the property of their respective owners.