IP Rapid Dome and PTZ Cameras

P/T/Z: Pan/Tilt/Zoom

Model name (*1)	SNC-P5	SNC-RZ25N/P	SNC-RZ50N/P	SNC-RX530N/P	SNC-RX550N/P	SNC-RX570N/P	SNC-RS44N/P	SNC-RS46N/P	SNC-RS84N/P	SNC-RS86N/P	SNC-RH124	SNC-RH164
Video compression format	JPEG/MPEG-4		JPEG/MPEG-4/H.264				JPEG/MPEG-4/H.264					
Codec Streaming Capability	Single streaming (JPEG/MPEG4 selectable)		Dual streaming (JPEG and MPEG-4 combination only)				Triple 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)	
HD/Megapixel (*2)	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	HD	HD
Ingress Protection	No	No	No	No	No	No	No	No	IP66	IP66	No	IP66
Vandal Resistant	No	No	No	No	No	No	No	No	IK10	IK10	No	IK10
Optical zoom ratio	3x optical zoom	18x optical zoom	26x optical zoom	18x optical zoom	26x optical zoom	36x optical zoom	18x optical zoom	36x optical zoom	18x optical zoom	36x optical zoom	10x optical zoom	10x optical zoom
Imager	1/4-type progressive scan CCD	1/4-type Exwave HAD CCD	1/4-type Super HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/4-type Exwave HAD CCD	1/3-type HD CMOS	1/3-type HD CMOS
Minimum illumination	3.5 lx (30IRE, AGC ON)	Color 0.7 lx, B/W: 0.06 lx (50IRE, F1.4, AGC ON)	Color: 2.2 lx, B/W: 0.3 lx (50IRE, F1.6, AGC ON)	Color: 0.7 lx (50IRE, F1.4, AGC ON), B/W: 0.15 lx (50IRE, F1.4, AGC ON)	Color: 1 lx, B/W: 0.15 lx (50IRE, F1.6, AGC ON)	Color: 1.4 lx, B/W: 0.15 lx (50IRE, F1.6, AGC ON)	(*3) Color: 0.4lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	(*3) Color: 0.4lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	(*4) Color: 0.7lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	(*4) Color: 0.7lx, B/W: 0.08lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	Color: 1.9lx, B/W: 0.17lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)	Color: 2.1lx, B/W: 0.19lx (50IRE, XDNR ON, VE ON, Slow Shutter OFF)
Maximum frame rate (*5)	18 fps JPEG or 15 fps MPEG-4 at VGA resolution, 30 fps JPEG or MPEG-4 at QVGA resolution	18 fps JPEG or 15 fps MPEG-4 at VGA resolution, 30/25 fps JPEG or MPEG-4 at QVGA resolution	30/25 fps JPEG/ MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25 fps JPEG/ MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25 fps JPEG/ MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25 fps JPEG/ MPEG-4 at 704x480/704x576 resolution, 10/8 fps H.264 at 704x480/704x576 resolution	30/25fps H.264/ MPEG-4/JPEG at 720x480/720x576 resolution	30/25fps H.264/ MPEG-4/JPEG at 720x480/720x576 resolution	30/25fps H.264/ MPEG-4/JPEG at 720x480/720x576 resolution	30/25fps H.264/ MPEG-4/JPEG at 720x480/720x576 resolution	30fps H.264 at 1280x720	30fps H.264 at 1280x720
Maximum resolution (*6)	640 x 480	640 x 480	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	1280 X 720	1280 X 720
Day/Night	No	Day/Night	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)	No	No	No	No	No	***DynaView***	***DynaView*** VE	***DynaView*** VE	***DynaView*** VE	***DynaView*** VE	VE	VE
Noise Reduction	No	No	Yes	Yes	Yes	No	XDNR™ Technology	XDNR Technology	XDNR Technology	XDNR Technology	XDNR Technology	XDNR Technology
Card slot(s)	CF card x1	CF card x1	PC card x1, CF card x1	PC card x1, Memory Stick® Media x1	PC card x1, Memory Stick Media x1	PC card x1, Memory Stick Media x1	CF card x1	CF card x1	CF card x1	CF 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)	Yes (option)	Yes (option)	Yes (option)
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA Analytics (Intelligence)	No	No	DEPA (*7)	DEPA (*7)	DEPA (*7)	DEPA (*7)	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced
ONVIF Software	No	No	No	No	No	No	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
"Rapid Dome" or "PTZ"	PTZ	PTZ	PTZ	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome	Rapid Dome
Pan angle	-60° to +60°	-170° to +170°	-170° to +170°	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless	360°endless
Tilt angle	-65° to +10°	0° to +120°	0° to +115°	0° to - 90°	0° to - 90°	0° to - 90°	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)	-105°to +105° (210°tilt)
"Quick Release" mechanism	No	No	No	No	No	No	Quick Release	Quick Release	Quick Release	Quick Release	Quick Release	Quick Release
Power requirement	DC 12V	AC 24V, DC12V	DC 12V	AC 24V, DC 12V	AC 24V, DC 12V	AC 24V, DC 12V	AC 24V, DC 12V, hPoE (*8)	AC 24V, DC 12V, hPoE (*8)	AC 24V	AC 24V	AC 24V, DC 12V, hPoE (*8)	AC 24V
Dimensions	Camera: 5 1/8 x 5 1/8 x 4 3/8 inches (130 x 130 x 110 mm) Stand: 5 1/8 x 7 1/8 x 5 5/8 inches (130 x 178 x 142 mm)	5 5/8 x 8 7/8 x 5 7/8 inches (140 x 200 x 148 mm)	5 5/8 x 6 5/8 x 5 5/8 inches (140 x 166 x 142 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 (160 x 160 x 230 mm)	Ø 6 1/8 x 9 inches (154 x 226 mm)	Ø 6 1/8 x 9 inches (154 x 226 mm)	Ø 9 3/8 x 13 5/8 inches (238 x 344 mm)	Ø 9 3/8 x 13 5/8 inches (238 x 344 mm)	Ø 6 1/8 x 9 inches (154 x 226 mm)	Ø 9 3/8 x 13 5/8 inches (238 x 346 mm)

(*1) 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). (*2) Definition of HD: More than 720p with H.264 streaming capability at more than 30/25 fps
(*3) Min. Illumination of Analog Video Output of SNC-RS44N/P and SNC-RS46N/P is different from IP video output. Color: 0.7lx, B/W: 0.15lx (50IRE , Slow Shutter OFF) (*4) Min. Illumination of Analog Video of SNC-RS84N/P and SNC-RS86N/P is as follows. Color: 1.4lx, B/W: 0.15lx (50IRE, Slow Shutter OFF) (*5) When the frame rate includes "/" such as "30/25fps" in this table, please read as "30 fps"(NTSC) and "25fps"(PAL). In the same manner, "704x480/704x576" means "704x480"(NTSC) and "704x576"(PAL).
(*6)When the Maximum resolution includes "/" such as "704x480/704x576" in this table, please read as "704x480"(NTSC) and "704x576"(PAL). (*7) DEPA Intelligent Object Detection is included in this model. (*8) hPoE is available from the firmware version 1.2.

IPELA™

IP Mini Dome Cameras

Model name (*1)	SNC-DF50N/P	SNC-DF80N/P	SNC-DF85N/P	SNC-DS10	SNC-DS60	SNC-DM110	SNC-DM160	SNC-DH120	SNC-DH140	SNC-DH240	SNC-DH120T	SNC-DH140T	SNC-DH240T	SNC-DH160	SNC-DH180	SNC-DH280
								E Series	V Series	V Series	E Series	V Series	V Series	E Series	V Series	V Series
Video compression format	JPEG/MPEG-4/H.264			JPEG/MPEG-4				JPEG/MPEG-4/H.264								
Codec Streaming Capability	Dual streaming (JPEG and MPEG-4 combination only)			Dual streaming (JPEG and MPEG-4 combination only)				Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)								
HD/Megapixel (*2)	SD	SD	SD	SD	SD	Megapixel	Megapixel	HD	HD	HD Full HD 1080	HD	HD	HD Full HD 1080	HD	HD	HD Full HD 1080
Ingress Protection	No	IP66	IP66	No	IP66	No	IP66	No	No	No	No	No	No	IP66	IP66	IP66
Vandal Resistant	No	IK10	IK10	No	IK10	No	IK10	No	No	No	IK10	IK10	IK10	IK10	IK10	IK10
IR Illuminators	No	No	No	No	No	No	No	No	No	No	No	No	No	IR	IR	IR
Optical zoom ratio	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 lens	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom
Imager	1/3-type CCD with DynaView	1/3-type Super Exwave CCD	1/3-type CCD with DynaView	1/4-type Progressive Scan CCD with ExwavePRO	1/4-type Progressive Scan CCD with ExwavePRO	1/3-type Progressive Scan CCD with ExwavePRO	1/3-type Progressive Scan CCD with ExwavePRO	1/3-type progressive scan Exmor™ CMOS sensor Exmor	1/3-type progressive scan Exmor CMOS sensor Exmor	1/2.8- type progressive scan Exmor CMOS sensor Exmor	1/3-type progressive scan Exmor CMOS sensor Exmor	1/3-type progressive scan Exmor CMOS sensor Exmor	1/2.8- type progressive scan Exmor CMOS sensor Exmor	1/3-type progressive scan Exmor CMOS sensor Exmor	1/3-type progressive scan Exmor CMOS sensor Exmor	1/2.8- type progressive scan Exmor CMOS sensor Exmor
Minimum illumination	0.7 lx (50IRE, F1.3, AGC ON)	Color: 0.6 lx, B/W: 0.06 (50IRE, F1.3, AGC ON)	Color: 0.6 lx, B/W:0.06 (50IRE, F1.3, AGC ON)	0.15 lx (50IRE, F1.3, AGC ON)	Color: 0.15 lx, B/W: 0.01 lx (50IRE, F1.3, AGC ON)	0.4 lx (50IRE, F1.3, AGC ON)/ 0.1 lx (Light Funnel ON, 50IRE, F1.3, AGC ON)	Color: 0.4 lx, B/W: 0.08 lx (50IRE, F1.3, AGC ON)/ Color: 0.1 lx, B/W: 0.01 lx (Light Funnel ON, 50 IRE, F1.3, AGC ON)	TBD	Color : 0.2 lx, B/W: 0.1 lx (F1.2 View-DR OFF/XDNR ON-Middle/ VE OFF/AGC High/50 IRE [IP])	TBD	TBD	Color : 0.2 lx, B/W: 0.1 lx (F1.2 View-DR OFF/XDNR ON-Middle/ VE OFF/AGC High/50 IRE [IP])	TBD	TBD	Color : 0.2 lx, B/W: 0.1 lx (IR ON) (F1.2 View-DR OFF/XDNR ON-Middle/ VE OFF/ AGC High/50 IRE [IP])	TBD
Maximum frame rate (*3)	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-4at 704 x 480 /704 x 576 resolution, 10/8 fps H.264 at VGA 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 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 H.264/ MPEG-4 /JPEG at 1280 x 720	30 fps H.264/ MPEG-4 /JPEG at 1280 x 720	30 fps H.264 at 1920 x 1080 25 fps MPEG-4 at 1920 x 1080 15 fps 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 at 1920 x 1080 25 fps MPEG-4 at 1920 x 1080 15 fps 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 at 1920 x 1080 25 fps MPEG-4 at 1920 x 1080 15 fps JPEG at 1920 x 1080
Maximum resolution (*4)	704 x 480 / 704 x 576	704 x 480 / 704 x 576	704 x 480 / 704 x 576	768 x 576	768 x 576	1280 x 960 (1.2 Megapixel)	1280 x 960 (1.2 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)
Day/Night	No	Day/Night	Day/Night	No	Day/Night	No	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 No	No	DynaView No	No	No	No	No	No	View-DR VE	View-DR VE	No	View-DR VE	View-DR VE	No	View-DR VE	View-DR VE
Noise Reduction	No	No	No	No	No	No	No	Yes	XDNR™ Technology	XDNR Technology	Yes	XDNR Technology	XDNR Technology	Yes	XDNR Technology	XDNR Technology
Card slot(s)	No	CF card x1	CF card x1	No	No	No	No	No	No	No	No	No	No	No	No	No
Wireless capability	No	No	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	Yes	Yes
DEPA Analytics (Intelligence)	DEPA	DEPA (*5)	DEPA (*5)	DEPA	DEPA	DEPA	DEPA	DEPA	DEPA Advanced	DEPA Advanced	DEPA	DEPA Advanced	DEPA Advanced	DEPA	DEPA Advanced	DEPA Advanced
ONVIF Software	No	No	No	No	No	No	No	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Power requirement	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE	PoE	AC 24V, DC 12V, PoE	AC 24V, DC 12V, PoE
Dimensions	5 x 5 5/8 inches (ø126 x 140.5 mm)	7 x 5 5/8 inches (ø177.5 x 141.5 mm)	7 x 5 5/8 inches (ø177.5 x 141.5 mm)	5 5/8 x 4 3/4 inches (ø140 x 118 mm)	6 5/8 x 4 3/4 inches (ø166 x 119 mm)	5 5/8 x 4 3/4 inches (ø140 x 118 mm)	6 5/8 x 4 3/4 inches (ø166 x 119 mm)	5 5/8 x 4 3/4 inches (ø140 x 118 mm)	5 5/8 x 4 3/4 inches (ø140 x 118 mm)	5 5/8 x 4 3/4 inches (ø140 x 118 mm)	TBD	5 5/8 x 4 3/4 inches (ø140 x 119 mm)	5 5/8 x 4 3/4 inches (ø140 x 119 mm)	6 5/8 x 4 3/4 inches (ø166 x 119 mm)	6 5/8 x 4 3/4 inches (ø166 x 119 mm)	6 3/4 x 4 3/4 inches (ø166 x 119 mm) Tentative

(*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 frame rate includes "/" such as "30/25fps" in this table, please read as "30 fps"(NTSC) and "25fps"(PAL). In the same manner, "704x480/704x576" means "704x480"(NTSC) and "704x576"(PAL).
(*4) When the Maximum resolution includes "/" such as "704x480/704x576" in this table, please read as "704x480"(NTSC) and "704x576"(PAL). (*5) DEPA Intelligent Object Detection is included in this model.

IPELA™

IP Fixed Cameras

Model name (*1)	SNC-P1	SNC-CS10	SNC-CS11	SNC-CS20	SNC-CS50N/P	SNC-CM120	SNC-CH120	SNC-CH140	SNC-CH240	SNC-CH160	SNC-CH180	SNC-CH280	SNC-CH210
							E Series	V Series	V Series	E Series	V Series	V Series	X Series
Video compression format	JPEG/MPEG-4			JPEG/MPEG-4	JPEG/MPEG-4/ H.264	JPEG/MPEG-4	JPEG/MPEG-4/H.264						
Codec Streaming Capability	Single streaming (JPEG/MPEG4 selectable)			Dual streaming (JPEG and MPEG-4 combination only)			Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)						
HD/Megapixel (*2)	SD	SD	SD	SD	SD	Megapixel	HD	HD	HD Full HD 1080	HD	HD	HD Full HD 1080	HD
Ingress protection	No	No	No	No	No	No	No	No	No	IP66	IP66	IP66	No
IR Illuminators	No	No	No	No	No	No	No	No	No	IR	IR	IR	No
Optical zoom ratio	Fixed focal lens (f=3.8 mm)	Lens not included	2.7x optical zoom	2.7x optical zoom	2.7x optical zoom	2.1x optical zoom	2.7x optical zoom	2.7x optical zoom	2.1x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	Fixed focal lens (f=3.3 mm)
Lens mount	Built-in	CS mount	CS mount	CS mount	CS mount	CS mount	CS mount	CS mount	CS mount	Built-in	Built-in	Built-in	Built-in
Imager	1/4-type Progressive Scan CCD	1/4-type Progressive Scan CCD	1/4-type Progressive Scan CCD	1/4-type Progressive with ExwavePRO CCD	1/3-type SuperExwave CCD	1/3-type Progressive with ExwavePRO CCD	1/3-type progressive scan Exmor™ CMOS Sensor Exmor	1/3-type progressive scan Exmor CMOS Sensor Exmor	1/2.8-type progressive scan Exmor CMOS Sensor Exmor	1/3-type progressive scan Exmor CMOS Sensor Exmor	1/3-type progressive scan Exmor CMOS Sensor Exmor	1/2.8-type progressive scan Exmor CMOS Sensor Exmor	1/2.8-type progressive scan Exmor CMOS Sensor Exmor
Minimum illumination	1.2 lx (AGC ON, F2.0, 30IRE)	1.7 lx (50 IRE, F1.0, AGC ON)	1.7 lx (50 IRE, F1.0, AGC ON)	Color: 0.2 lx, B/W: 0.01 lx (50IRE, F1.0, AGC ON) 20 fps MPEG-4 at VGA	Color: 0.4 lx, B/W: 0.04 lx (50 IRE, F 0.95, AGC ON)	Color: 0.8 lx, B/W: 0.07 lx (50IRE, F1.3, AGC ON)/Color: 0.2 lx, B/W: 0.01 lx (Light Funnel ON, 50IRE, F1.3, AGC ON)	TBD	Color: 0.2 lx, B/W: 0.1 lx (F1.2/View-DR OFF/XDNR ON-Middle/ VE OFF/AGC High/50 IRE [IP])	TBD	TBD	TBD	TBD	TBD
Maximum frame rate (*3)	18 fps JPEG, 15 fps MPEG at VGA resolution	18 fps JPEG at VGA resolution, 15 fps MPEG-4 at VGA resolution	18 fps JPEG at VGA resolution, 15 fps MPEG-4 at VGA 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 x576 resolution, 10/8 fps H.264 at 704 x 480/704 x576 resolution	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 H.264/ JPEG/MPEG-4 at 1280 x 720	30 fps H.264/ JPEG/MPEG-4 at 1280 x 720	30 fps H.264 at 1920 x 1080 25 fps MPEG-4 at 1920 x 1080 15 fps 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	30 fps H.264 at 1920 x 1080 25 fps MPEG-4 at 1920 x 1080 15 fps JPEG at 1920 x 1080	30 fps H.264/ JPEG/MPEG-4 at 1280 x 720 15 fps H.264/ MPEG-4 at 1920 x 1080 7 fps JPEG at 2048 x 1536 (TBD)
Maximum resolution (*4)	640 x 480	640 x 480	640 x 480	768 x 576	704 x 480 / 704 x 576	1280 x 960 (1.2 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1280 x 1024 (1.3 Megapixel)	1920 x 1440 (3 Megapixel)	2048 x 1536 (3 Megapixel)
Day/Night	No	No	No	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Electrical D/N
Wide-D Visibility Enhancer (VE)	No	No	No	No	No	No	No	View-DR VE	View-DR VE	No	View-DR VE	View-DR VE	No
Noise Reduction	No	No	No	No	No	No	Yes	XDNR	XDNR	Yes	XDNR	XDNR	Yes
Card slot(s)	No	No	No	No	PC card x1	No	No	CF card x1	CF card x1	No	CF card x1	CF card x1	No
Wireless Capability	No	No	No	No	Yes (option)	No	No	Yes (option)	Yes (option)	No	Yes (option)	Yes (option)	No
Composite video output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA Analytics (Intelligence)	No	No	No	DEPA	DEPA (*5)	DEPA	DEPA	DEPA Advanced	DEPA Advanced	DEPA	DEPA Advanced	DEPA Advanced	DEPA
ONVIF Software	No	No	No	No	No	No	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Power requirement	DC 12V	AC 24, DC 12 V	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	PoE
Dimensions	Camera: 4 x 1 7/16 x 5 1/2 inches (100 x 36 x 139 mm) Stand: 4 3/4 x 5 5/8 x 6 inches (120 x 142 x 150mm)	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 6 1/4 inches (70 x 57 x 158 mm)	3 1/4 x 2 1/2 x 7 inches (82.5 x 63 x 176.2 mm)	3 3/8 x 2 3/4 x 7 3/4 inches (84 x 69 x 196 mm) excl. cover equipment 3 3/8 x 2 3/4 x 10 1/2 inches (84 x 69 x 265 mm) incl. cover equipment	3 1/4 x 2 1/2 x 7 1/2 inches (82.5 x 63 x 187.5 mm)	2 7/8 x 2 1/2 x 7 7/8 inches (72 x 63 x 197 mm)	2 7/8 x 2 1/2 x 7 7/8 inches (72 x 63 x 197 mm)	2 7/8 x 2 1/2 x 7 7/8 inches (72 x 63 x 197.6 mm)	3 3/8 x 3 5/8 x 7 3/8 inches (85 x 90 x 186 mm)	3 3/8 x 3 5/8 x 7 3/8 inches (85 x 90 x 186 mm)	TBD	ø 1 3/4 x 3 3/4 inches (44 x 93 mm) (TBD)

(*1) 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). (*2) Definition of HD: More than 720p with H.264 streaming capability at more than 30/25 fps. (*3) When the frame rate includes "/" such as "30/25fps" in this table, please read as "30 fps"(NTSC model) and "25fps"(PAL model). (*4) When the Maximum resolution includes "/" such as "704x480/704x576" in this table, please read as "704x480"(NTSC) and "704x576"(PAL). (*5) DEPA Intelligent Object Detection is included in this model.

IPELA™

Glossary

IP66

The "IP" of IP66 stands for Ingress Protection, and its two-digit number shows the durability rating of equipment for outdoor use. The first digit of IP66 relates to the ingress protection against dust, and "6" means "dust tight". The second digit of IP66 relates to the ingress protection against water, and "6" means protected against "heavy jet sprays," such as conditions that can be encountered in hurricanes..

Day/Night

A day/night camera has two modes of operation: a day mode and a night mode. The camera switches from day mode (Color) to night mode (B/W) by replacing its infrared-cut filter with a clear filter. In night mode, the camera becomes sensitive to near-IR light and is capable of reproducing images even when the scene is not visible to the naked eye.

Wide-D

State-of-the-art technologies to expand the video dynamic range of the camera to improve the visibility of images even in extremely high-contrast environments. Wide-D is a powerful feature to compensate for scenes with extremely poor contrast.

DynaView Technology

DynaView™ is one of Sony's Wide-D technologies.
With DynaView technology, the camera captures two images for each frame using an electronic shutter – the first image is taken with a 'standard' exposure time and the second image is taken with a very short exposure time. The dark areas in the scene are clearly reproduced in the first image and the bright areas are reproduced without being 'washed out' in the second image. The two images are then combined into one by using an advanced DSP LSI, to reproduce high-contrast images.

View-DR Technology

View-DR™ technology is Sony's latest technology to produce images with an extremely wide dynamic range. View-DR technology is a combination of Sony's full-capture Wide-D technology, the high-speed Exmor CMOS sensor, and Visibility Enhancer (VE). The full-capture Wide-D technology used in View-DR technology uses an electronic shutter to capture multiple images, to reproduce each frame. One image is taken using a 'standard' exposure time and either one or three images are taken using very short exposure times depending on the camera type. With the newly developed View-DR technology algorithm, all of the electrons converted from the captured light is fully used by the imager, which is quite different from DynaView and some other Wide-D technologies in the industry that discard approximately ½ of the electrons. As a result, View-DR nearly doubles the sensitivity compared to conventional Wide-D technologies. To capture multiple HD resolution images at a very high speed, the Exmor CMOS sensor was adopted because of its high-speed readout characteristics. During the process of combining multiple images, the Visibility Enhancer (VE) is employed to provide a high level of chrominance and luminance. With View-DR technology, the monitored images become very visible – sometimes even more than when viewed with our naked eyes.

Visibility Enhancer (VE)

VE is one of Sony's new technologies that optimizes contrast and makes a scene more visible. It is ideal for scenes where objects are hard to recognize due to severe backlight or shadows. VE optimizes the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene. Technically, VE stretches the contrast in both the backlit portions and the shadows within the given dynamic range, which is different from Wide-D.
VE also contributes to the high sensitivity of the camera. By combining VE with XDNR, the camera can reproduce clear and bright images in very low-light conditions, while keeping noise at a minimal level.

XDNR Technology (eXcellent Dynamic Noise Reduction)

XDNR™ technology is Sony's latest technology for noise reduction in IP security cameras. XDNR technology utilizes 2D and 3D noise reduction methods adaptively to scenes. Under low-light conditions, XDNR technology provides clear images for both moving objects and still portions of the image, using 2DNR and 3DNR, respectively. This method provides clear images while minimizing motion blur which is a challenge in any outdoor surveillance monitoring applications, such as in parking lots.

DEPA System

With a Sony DEPA™ system, DEPA-enabled cameras send not only video images but also related metadata, including object data (size and position) to the DEPA-enabled recorder. Since part of the image processing is done on the camera side, the load to the recorder can be reduced enabling camera expansion. Conventional video analytic systems, on the other hand, process images solely on the recorder side often causing CPU overload.

DEPA Advanced

DEPA Advanced is an enhanced DEPA technology. Unlike DEPA, a camera incorporating DEPA Advanced completes the entire DEPA analysis such as intrusion detection with a virtual borderline on the camera side, and sends only an alarm to the recorder. Enhancements also include a tamper alarm, shadow cancellation, a beam intrusion detector, and audio analysis. Since the analytic processing is completed in the camera, end users can benefit from DEPA Advanced because it can be easily integrated with a variety of recorders and/or video management solutions.

ONVIF Software

ONVIF software defines a common protocol for the exchange of information between different network video devices regardless of manufacturer, and achieves greater interoperability in multi-vendor network video systems.

PoE (Power-over-Ethernet, IEEE 802.3af)

PoE enables networked devices to receive power up to 13.95W from PoE-enabled equipment through the same Ethernet cable that transports data. It may provide substantial savings in installation costs and can simplify the installation process.

hPoE (High PoE, IEEE 802.3at)

hPoE enables networked devices to receive power up to 25W from hPoE-enabled equipment through the same Ethernet cable that transports data. hPoE is useful especially for PTZ/Rapid Dome cameras that require motor control.

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