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HD Camera Line-up




























IPELA

Category	X Series			V Series							
Sony Network Cameras											
Model Name	SNC-CH210	SNC-CH240	SNC-CH280	SNC-DH240	SNC-DH240T	SNC-DH280	SNC-CH140	SNC-CH180	SNC-DH140	SNC-DH140T	SNC-DH180
Video Compression Format	JPEG/MPEG-4/H.264										
Codec Streaming Capability	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)										
HD ^{*1}	1080p	1080p	1080p	1080p	1080p	1080p	720p	720p	720p	720p	720p
Maximum Resolution	2048 x 1536 (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)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)
Ingress Protection	No	No	IP66	No	No	IP66	No	IP66	No	No	IP66
Vandal Resistant	No	No	No	No	IK10	IK10	No	No	No	IK10	IK10
IR Illuminators	No	No	IR	No	No	IR	No	IR	No	No	IR
Horizontal Viewing Angle	88°	101.2 to 47°	TBD	88.5 to 32.3°	88.5 to 32.3°	TBD	96.5 to 33.9°	85.4 to 31.2°	85.4 to 31.2°	85.4 to 31.2°	85.4 to 31.2°
Optical Zoom Ratio	Fixed focal lens (f=3.3 mm)	2.1x optical zoom	TBD	2.9x optical zoom	2.9x optical zoom	TBD	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom
Imager	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS sensor	1/2.8-type progressive scan Exmor CMOS sensor	1/2.8-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS sensor	1/3-type progressive scan Exmor CMOS sensor
Minimum Illumination	2.0lx (AGC 38dB/ 50IRE [IP])	Color: 0.55 lx, B/W: 0.3 lx (F1.3/View-DR OFF/ XDNR ON-Middle/ VE OFF/AGC High/50 IRE [IP])	TBD	Color: 0.55 lx, B/W: 0.3 lx (F1.2 View-DR OFF/ XDNR ON-Middle/ VE OFF/AGC High/50 IRE [IP])	Color: 0.55 lx, B/W: 0.3 lx (F1.2 View-DR OFF/ XDNR ON-Middle/ VE OFF/AGC High/50 IRE [IP])	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])	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])	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 lx (IR ON) (F1.2 View-DR OFF/ XDNR ON-Middle/ VE OFF/AGC High/50 IRE [IP])
Maximum Frame Rate	30 fps H.264/ JPEG/MPEG-4 at 1280 x 720 ^{*3} 15 fps H.264/MPEG-4 at 1920 x 1080 ^{*2} 7 fps JPEG at 2048 x 1536	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ^{*2}	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ^{*2}	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ^{*2}	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ^{*2}	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ^{*2}	30 fps H.264/ JPEG/MPEG-4 at 1280 x 720 ^{*3}	30 fps H.264/ JPEG/MPEG-4 at 1280 x 720 ^{*3}	30 fps H.264/ MPEG-4/JPEG at 1280 x 720 ^{*3}	30 fps H.264/ MPEG-4/JPEG at 1280 x 720 ^{*3}	30 fps H.264/ MPEG-4/JPEG at 1280 x 720 ^{*3}
Day/Night	Electrical D/N	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night
Wide-D (View-DR)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Visibility Enhancer (VE)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Noise Reduction	Yes	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR
Card Slot(s)	No	CF card x1	CF card x1	No	No	No	CF card x1	CF card x1	No	No	No
Wireless Capability	No	Yes (option)	Yes (option)	No	No	No	Yes (option)	Yes (option)	No	No	No
Composite Video Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)	DEPA	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced
Power Requirement	PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE	AC 24, DC 12 V, PoE
Dimensions	ø44 x 93 mm (1 3/4 x 3 3/4 inches)	72 x 63 x 197.3 mm (2 7/8 x 2 1/2 x 7 7/8 inches)	TBD	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 3/4 x 4 3/4 inches) Tentative	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches)	ø93 x 186 mm (3 3/4 x 7 3/8 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)

*1 Definition of HD: More than 720p with H.264 streaming capability at more than 30/25 fps. *2 Resolution defined by SMPTE 294M. *3 Resolution defined by SMPTE 296M.

Category	E Series										Speed Dome	
Sony Network Cameras												
Model Name	SNC-CH220	SNC-CH260	SNC-DH220	SNC-DH220T	SNC-DH260	SNC-CH120	SNC-CH160	SNC-DH120	SNC-DH120T	SNC-DH160	SNC-RH124	SNC-RH164
Video Compression Format	JPEG/MPEG-4/H.264											
Codec Streaming Capability	Dual streaming (Any combination with JPEG/MPEG-4/H.264, including multiple streams of the same format)											
HD ¹	1080p	1080p	1080p	1080p	1080p	720p	720p	720p	720p	720p	720p	720p
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)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 1024 (1.3 Mega)	1280 x 720	1280 x 720
Ingress Protection	No	IP66	No	No	IP66	No	IP66	No	No	IP66	No	IP66
Vandal Resistant	No	No	No	IK10	IK10	No	No	No	IK10	IK10	No	IK10
IR Illuminators	No	IR	No	No	IR	No	IR	No	No	IR	No	No
Horizontal Viewing Angle	TBD	TBD	TBD	TBD	TBD	96.5 to 33.9°	85.4 to 31.2°	85.4 to 31.2°	85.4 to 31.2°	85.4 to 31.2°	50 to 5.4°	50 to 5.4°
Optical Zoom Ratio	TBD	TBD	TBD	TBD	TBD	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	2.9x optical zoom	10x optical zoom	10x optical zoom
Imager	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	1/2.8-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type progressive scan Exmor CMOS Sensor	1/3-type HD CMOS	1/3-type HD CMOS
Minimum Illumination	TBD	TBD	TBD	TBD	TBD	0.5 lx (Color), 0.3 lx (BW) (F1.2/AGC 42dB /50IRE [IP])	TBD	0.5 lx (Color), 0.3 lx (BW) (F1.2/AGC 42dB /50IRE [IP])	0.5 lx (Color), 0.3 lx (BW) (F1.2/AGC 42dB /50IRE [IP])	TBD	Color: 1.9 lx, B/W: 0.17 lx (50 IRE, XDNR ON, VE ON, Slow Shutter OFF)	Color: 2.1 lx, B/W: 0.19 lx (50 IRE, XDNR ON, VE ON, Slow Shutter OFF)
Maximum Frame Rate	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ³ (Tentative)	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ³ (Tentative)	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ³ (Tentative)	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ³ (Tentative)	30 fps H.264/ 25 fps MPEG-4/ 15 fps JPEG at 1920 x 1080 ³ (Tentative)	30 fps H.264/ JPEG/MPEG-4 at 1280 x 720 ⁴	30 fps H.264/ JPEG/MPEG-4 at 1280 x 720 ⁴	30 fps H.264/ MPEG-4/JPEG at 1280 x 720 ⁴	30 fps H.264/ MPEG-4/JPEG at 1280 x 720 ⁴	30 fps H.264/ MPEG-4/JPEG at 1280 x 720 ⁴	30 fps H.264 at 1280 x 720 ⁴	30 fps H.264 at 1280 x 720 ⁴
Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night	Day/Night
Wide-D (View-DR)	No	No	No	No	No	No	No	No	No	No	No	No
Visibility Enhancer (VE)	No	No	No	No	No	No	No	No	No	No	No	No
Noise Reduction	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	XDNR	XDNR
Card Slot(s)	No	No	No	No	No	No	No	No	No	No	CF card x1	CF card x1
Wireless Capability	No	No	No	No	No	No	No	No	No	No	Yes (option)	Yes (option)
Composite Video Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEPA (Intelligence)	DEPA	DEPA	DEPA	DEPA	DEPA	DEPA	DEPA	DEPA	DEPA	DEPA	DEPA Advanced	DEPA Advanced
Power Requirement	PoE	PoE	PoE	PoE	PoE	PoE	PoE	PoE	PoE	PoE	AC 24 V, DC 12 V, hPoE ²	AC 24 V,
Dimensions	TBD	TBD	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 3/4 x 4 3/4 inches) (Tentative)	72 x 63 x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches)	ø93 x 186 mm (3 3/4 x 7 3/8 inches)	ø140 x 118 mm (5 5/8 x 4 3/4 inches)	ø140 x 119 mm (5 5/8 x 4 3/4 inches)	ø166 x 119 mm (6 5/8 x 4 3/4 inches)	ø154 x 226 mm (6 1/8 x 9 inches)	ø238 x 346 mm (9 3/8 x 13 5/8 inches)

	Normal Box	Outdoor Bullet IR IK10 IP66	Indoor Normal Minidome	Indoor Ruggedised Minidome IK 10	Outdoor Bullet Minidome IR IK10 IP66	Speed Dome	
V Series 1080p	 SNC-CH240	 SNC-CH280	 SNC-DH240	 SNC-DH240T	 SNC-DH280	 SNC-RH124	
V Series 720p	 SNC-CH140	 SNC-CH180	 SNC-DH140	 SNC-DH140T	 SNC-DH180		
E Series 1080p	 SNC-CH220	 SNC-CH260	 SNC-DH220	 SNC-DH220T	 SNC-DH260		
E Series 720p	 SNC-CH120	 SNC-CH160	 SNC-DH120	 SNC-DH120T	 SNC-DH160		 SNC-RH164
X Series 1080p	 SNC-CH210		 SNC-DH210	 SNC-DH210T			

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