



Product line-up

4th Quarter 2016



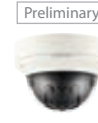
WISENET P
PNO-9080R



WISENET P
PND-9080R



WISENET P
PNV-9080R



WISENET P
PNM-9020V

New



WISENET P
PNF-9010R/9010RV/9010RVM

New



WISENET P
PNP-9200RH

New

	Resolution	12MP	12MP	12MP	7MP	12MP	8MP
VIDEO	Imaging Device	1/1.7" 12.4M CMOS	1/1.7" 12.4M CMOS	1/1.7" 12.4M CMOS	7.3M (2M x 4)	1/1.7" 12.4M CMOS	1/2.5" 8M CMOS
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	12M / 20fps, 8M / 30fps	12M / 20fps, 8M / 30fps	12M / 20fps, 8M / 30fps	7M / 30fps (H.265, H.264)	12M / 20fps, 9M / 25fps	8M / 30fps (H.265, H.264)
	Streaming Capacity	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color: 0.3Lux, B/W: 0Lux (IR LED on)	Color: 0.3Lux, B/W: 0Lux (IR LED on)	Color: 0.3Lux, B/W: 0Lux (IR LED on)	Color: 0.1Lux	Color: 0.3Lux, B/W: 0Lux (IR LED on)	Color: 0.1Lux, B/W: 0Lux (IR LED on)
	Video Output	CVBS 1.0Vpp, DIP connector type	CVBS 1.0Vpp, DIP connector type	CVBS 1.0Vpp, DIP connector type	-	CVBS 1.0Vpp, DIP connector type	CVBS 1.0Vpp
	Lens	4.5 ~ 10mm (2.2x) Motorized V/F (F1.6)	4.5 ~ 10mm (2.2x) Motorized V/F (F1.6)	4.5 ~ 10mm (2.2x) Motorized V/F (F1.6)	3.6mm fixed	2.1mm fixed (F2.2)	4.8 ~ 96mm (IR corrected optical 20x) F1.8(Wide) / F3.6(Tele)
	Angular Field of View	[4096 x 2160] H: 100.3°(Wide) ~ 45.6°(Tele) / V: 49.7°(Wide) ~ 24.0°(Tele) [3840 x 2160] H: 92.3°(Wide) ~ 42.6°(Tele) / V: 49.7°(Wide) ~ 24.0°(Tele)	[4096 x 2160] H: 100.3°(Wide) ~ 45.6°(Tele) / V: 49.7°(Wide) ~ 24.0°(Tele) [3840 x 2160] H: 92.3°(Wide) ~ 42.6°(Tele) / V: 49.7°(Wide) ~ 24.0°(Tele)	[4096 x 2160] H: 100.3°(Wide) ~ 45.6°(Tele) / V: 49.7°(Wide) ~ 24.0°(Tele) [3840 x 2160] H: 92.3°(Wide) ~ 42.6°(Tele) / V: 49.7°(Wide) ~ 24.0°(Tele)	[Total 4 sensor] H: 180°, V: TBD [Per sensor] H: 50°↑, V: TBD	H: 180° / V: 180° / D: 180°	H: 65.1°(Wide) ~ 3.8°(Tele) / V: 38.4°(Wide) ~ 2.2°(Tele)
	Focus Control	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	-	Simple focus / Manual	AF / One-shot AF / Manual
	IR Viewable Length	40m (131.23ft)	30m (98.43ft)	40m (131.23ft)	-	15m (49.21ft)	200m (656.17ft)
OPERATIONAL	Pan / Tilt / Rotate	-	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 355° / 0° ~ 73° / -	-	360° Endless / 190° (-5° ~ 185°) / -
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNR	SSNR
	Digital Image Stabilization	-	-	-	-	-	Support
	Intelligent Video Analytics	Tampering (Scene change), Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defocus detection, Digital auto tracking - with metadata	Tampering (Scene change), Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defocus detection, Digital auto tracking - with metadata	Tampering (Scene change), Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defocus detection, Digital auto tracking - with metadata	Tampering (Scene change), Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defocus detection, Digital auto tracking - with metadata	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defocus detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection - with metadata
FEATURES	Protocol	ONVIF profile S & G, SUNAPI, SVNP, Wisenet Open Platform	ONVIF profile S & G, SUNAPI, SVNP, Wisenet Open Platform	ONVIF profile S & G, SUNAPI, SVNP, Wisenet Open Platform	ONVIF profile S & G, SUNAPI, SVNP, Wisenet Open Platform	ONVIF profile S&G, SUNAPI, Wisenet Open Platform	ONVIF profile S & G, SUNAPI, SVNP, Wisenet Open Platform
	Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	4 / 2 (Relay)
	Audio	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
	Edge Storage	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	micro SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
	Environment Protection	IP66, IK10	IK08	IP66, IP67, IK10	IP66, IK10	IK10 (PNF-9010R), IP66, IK10 (PNF-9010RV/9010RVM)	IP66, IK10
	Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (14°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-10°C ~ +55°C (+14°F ~ +131°F) (PNF-9010R) -40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F) (PNF-9010RV/9010RVM)	-50°C ~ +55°C (-58°F ~ +131°F)
	Power	AC 24V (Max. 12.43W / 14.08W - Heater on) DC 12V (Max. 11.77W / 12.95W - Heater on) PoE (Max. 10.43W) / 11.55W - Heater on	DC 12V (Max. 9.5W) PoE (Max. 10.5W)	AC 24V (Max. 12.43W / 14.08W - Heater on) DC 12V (Max. 11.77W / 12.95W - Heater on) PoE (Max. 10.43W) / 11.55W - Heater on	Max 25.5W (PoE+/DC, Heater on)	DC 12V (Max. 11W), PoE (Max. 12W) (PNF-9010R) DC 12V (Max. 12W), PoE (Max. 12.95W) (PNF-9010RV/RVM)	AC 24V (Max. 60.0W/90.0W - heater off/on, IR on)
	Dimensions (WxHxD) / Weight	82.4 x 87.0 x 348.3mm (3.24" x 3.43" x 13.71") (Without sunshield) 1.4Kg (3.09 lb)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 610g (1.34 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 990g (2.18 lb)	Ø199.0 x 143.5mm (Ø7.83" x 5.65") 1.95Kg (4.3 lb)	Ø146.0mm x 63.4mm (Ø5.75" x 2.5") 805g (1.77 lb) (PNF-9010R), 810g (1.79 lb) (PNF-9010RV), 815g (1.8 lb) (PNF-9010RVM)	Ø236.9 x 407.7mm (Ø9.33" x 16.05") 7.1Kg (15.65 lb)
	Additional Features	Hallway view, P-Iris, Defog, WiseStream	Hallway view, P-Iris, Defog, WiseStream	Hallway view, P-Iris, Defog, WiseStream	Lens Distortion Correction, Multi sensor	M12 connector (PNF-9010RVM), Built-in mic, On board dewarping, WiseStream, Heatmap, People counting	WiseStream, Auto tracking



WISENET Q
QNO-7080R



WISENET Q
QNO-7010R/7020R/7030R



WISENET Q
QNO-6070R



WISENET Q
QNO-6010R/6020R/6030R

	Resolution	4MP	4MP	2MP	2MP
VIDEO	Imaging Device	1/3" 4M CMOS	1/3" 4M CMOS	1/2.9" 2.19M CMOS	1/2.9" 2.19M CMOS
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	4M / 20fps, 2M / 30fps	4M / 20fps, 2M / 30fps	2M / 30fps	2M / 30fps
	Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)
	Max. User Access	6 (Unicast)	6 (Unicast)	6 (Unicast)	6 (Unicast)
	Min. Illumination	Color 0.15Lux, B/W: 0Lux (IR LED on)	Color: 0.5Lux (QNO-7010R), 0.4Lux (QNO-7020R), 0.3Lux (QNO-7030R), B/W: 0Lux (IR LED on)	Color 0.095Lux, B/W: 0Lux (IR LED on)	Color: 0.15Lux, B/W: 0Lux (IR LED on)
	Video Output	-	-	-	-
	Lens	2.8 ~ 12mm (4.3x) motorized V/F (F1.4)	2.8mm fixed (F2.2) (QNO-7010R) 3.6mm fixed (F2.2) (QNO-7020R) 6mm fixed (F2.2) (QNO-7030R)	2.8 ~ 12mm (4.3x) Manual V/F (F1.4)	2.8mm fixed (F2.0) (QNO-6010R) 3.6mm fixed (F1.8) (QNO-6020R) 6mm fixed (F1.8) (QNO-6030R)
	Angular Field of View	H: 109.7° ~ 26.0° / V: 60.8° ~ 15.2° / D: 131.3° ~ 30.1°	H: 110.0° / V: 63.0° / D: 128.0° (QNO-7010R) H: 81.0° / V: 45.0° / D: 95.0° (QNO-7020R) H: 53.0° / V: 31.0° / D: 62.0° (QNO-7030R)	H: 103.8° ~ 32.4° / V: 53.7° ~ 18.4° / D: 121.9° ~ 37.1°	H: 116.0° / V: 62.0° / D: 137.0° (QNO-6010R) H: 86.48° / V: 46.22° / D: 102.44° (QNO-6020R) H: 52.54° / V: 28.86° / D: 61.14° (QNO-6030R)
	Focus Control	Simple focus (Motorized V/F) / Manual	-	Manual	-
OPERATIONAL	IR Viewable Length	30m (98.43ft)	20m (65.62ft) (QNO-7010R), 25m (82.02ft) (QNO-7020R), 30m (98.43ft) (QNO-7030R)	30m (98.43ft)	20m (65.62ft) : QNO-6010R, 25m (82.02ft) : QNO-6020R, 30m (98.43ft) : QNO-6030R
	Pan / Tilt / Rotate	-	-	-	-
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR
	Digital Image Stabilization	-	-	-	-
FEATURES	Intelligent Video Analytics	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection
	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI
	Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1
	Audio	Uni-directional	Uni-directional	Uni-directional	Uni-directional
	Edge Storage	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS
	Environment Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)
	Power	DC 12V (Max. 7.0W), PoE (Max. 8.0W)	DC 12V (Max. 6.0W), PoE (Max. 7.0W)	DC 12V (Max. 7.0W), PoE (Max. 8.0W)	DC 12V (Max. 6.0W), PoE (Max. 7.0W)
	Dimensions (WxHxD) / Weight	Ø70.0 x 246.0mm (Ø2.76" x 9.69") (Without sunshield) 750g (1.65 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") (Without sunshield) 730g (1.61 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") (Without sunshield) 730g (1.61 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") (Without sunshield) 730g (1.61 lb)
	Additional Features	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream



WISENET Q
QND-7080R



WISENET Q
QND-7010R/7020R/7030R



WISENET Q
QND-6070R



WISENET Q
QND-6010R/6020R/6030R

	Resolution	4MP	4MP	2MP	2MP
VIDEO	Imaging Device	1/3" 4M CMOS	1/3" 4M CMOS	1/2.9" 2.19M CMOS	1/2.9" 2.19M CMOS
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	4M / 20fps, 2M / 30fps	4M / 20fps, 2M / 30fps	2M / 30fps	2M / 30fps
	Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)
	Max. User Access	6 (Unicast)	6 (Unicast)	6 (Unicast)	6 (Unicast)
	Min. Illumination	Color 0.15Lux, B/W: 0Lux (IR LED on)	Color: 0.5Lux (QND-7010R), 0.4Lux (QND-7020R), 0.3Lux (QND-7030R), B/W: 0Lux (IR LED on)	Color 0.095Lux, B/W: 0Lux (IR LED on)	Color: 0.15Lux, B/W: 0Lux (IR LED on)
	Video Output	-	-	-	-
	Lens	2.8 ~ 12mm (4.3x) motorized V/F (F1.4)	2.8mm fixed (F2.2) (QND-7010R) 3.6mm fixed (F2.2) (QND-7020R) 6mm fixed (F2.2) (QND-7030R)	2.8 ~ 12mm (4.3x) Manual V/F (F1.4)	2.8mm fixed (F1.8) (QND-6010R) 3.6mm fixed (F1.8) (QND-6020R) 6mm fixed (F1.8) (QND-6030R)
	Angular Field of View	H: 109.7° ~ 26.0° / V: 60.8° ~ 15.2° / D: 131.3° ~ 30.1°	H: 111.0° / V: 63.0° / D: 128.0° (QND-7010R) H: 81.0° / V: 45.0° / D: 95.0° (QND-7020R) H: 53.0° / V: 31.0° / D: 62.0° (QND-7030R)	H: 103.8° ~ 32.4° / V: 53.7° ~ 18.4° / D: 121.9° ~ 37.1°	H: 110.0° / V: 61.0° / D: 125.0° (QND-6010R) H: 86.48° / V: 46.22° / D: 102.44° (QND-6020R) H: 52.54° / V: 28.86° / D: 61.14° (QND-6030R)
	Focus Control	Simple focus (Motorized V/F) / Manual	-	Manual	-
OPERATIONAL	IR Viewable Length	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)
	Pan / Tilt / Rotate	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR
	Digital Image Stabilization	-	-	-	-
	Intelligent Video Analytics	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection
FEATURES	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI
	Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1
	Audio	Uni-directional	Uni-directional	Uni-directional	Uni-directional
	Edge Storage	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS
	Environment Protection	-	IK08	-	IK08
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
	Power	DC 12V (Max. 6.4W), PoE (Max. 7.2W)	DC 12V (Max. 5.8W), PoE (Max. 7.0W) (QND-7010R) DC 12V (Max. 5.43W), PoE (Max. 6.5W) (QND-7020R/7030R)	DC 12V (Max. 5.5W), PoE (Max. 6.7W)	DC 12V (Max. 5.8W), PoE (Max. 7.0W) (QND-6010R) DC 12V (Max. 5.43W), PoE (Max. 6.5W) (QND-6020R/6030R)
	Dimensions (WxHxD) / Weight	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 355g (0.78 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 290g (0.64 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 325g (0.72 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 290g (0.64 lb)
	Additional Features	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream



WISENET Q
QNV-7080R



WISENET Q
QNV-7010R/7020R/7030R



WISENET Q
QNV-6070R



WISENET Q
QNV-6010R/6020R/6030R



WISENET T
TNO-6320E



WISENET T
TNU-6320E



WISENET T
TNO-1050T

	Resolution	4MP	4MP	2MP	2MP	2MP	2MP	VGA
VIDEO	Imaging Device	1/3" 4M CMOS	1/3" 4M CMOS	1/2.9" 2.19M CMOS	1/2.9" 2.19M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS	Uncooled FPA microbolometer, Pixel size : 17μm, Spectral range : 8 ~ 14μm
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	4M / 20fps, 2M / 30fps	4M / 20fps, 2M / 30fps	2M / 30fps	2M / 30fps	2M / 60fps	2M / 60fps	VGA / 30fps
	Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)
	Max. User Access	6 (Unicast)	6 (Unicast)	6 (Unicast)	6 (Unicast)	10 (Unicast)	10 (Unicast)	10 (Unicast)
	Min. Illumination	Color 0.15Lux B/W : 0Lux (IR LED on)	Color: 0.5Lux (QNV-7010R), 0.4Lux (QNV-7020R), 0.3Lux (QNV-7030R) B/W : 0Lux (IR LED on)	Color 0.095Lux B/W : 0Lux (IR LED on)	Color: 0.15Lux B/W : 0Lux (IR LED on)	Color 0.15Lux B/W : 0.015Lux	Color 0.15Lux B/W : 0.015Lux	-
	Video Output	-	-	-	-	-	-	CVBS 1.0Vpp
	Lens	2.8 ~ 12mm (4.3x) motorized V/F (F1.4)	2.8mm fixed (F2.0) (QNV-7010R) 3.6mm fixed (F2.2) (QNV-7020R) 6mm fixed (F2.2) (QNV-7030R)	2.8 ~ 12mm (4.3x) Manual V/F (F1.4)	2.8mm fixed (F1.8) (QNV-6010R) 3.6mm fixed (F1.8) (QNV-6020R) 6mm fixed (F1.8) (QNV-6030R)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	37mm fixed (F1.1)
OPERATIONAL	Angular Field of View	H: 109.7° ~ 26.0° / V: 60.8° ~ 15.2° / D: 131.3° ~ 30.1°	H: 110.0° / V: 63.0° / D: 133.0° (QNV-7010R) H: 81.0° / V: 45.0° / D: 95.0° (QNV-7020R) H: 53.0° / V: 31.0° / D: 62.0° (QNV-7030R)	H: 103.8° ~ 32.4° / V: 53.7° ~ 18.4° / D: 121.9° ~ 37.1°	H: 110.0° / V: 61.0° / D: 125.0° (QNV-6010R) H: 86.48° / V: 46.22° / D: 102.44° (QNV-6020R) H: 52.54° / V: 28.86° / D: 61.14° (QNV-6030R)	H: 62.8° (Wide) ~ 2.23° (Tele) / V: 36.8° (Wide) ~ 1.26° (Tele)	H: 62.8° (Wide) ~ 2.23° (Tele) / V: 36.8° (Wide) ~ 1.26° (Tele)	H: 16.8° / V: 12.6°
	Focus Control	Simple focus (Motorized V/F) / Manual	-	Manual	-	Auto / Manual / One push	Auto / Manual / One push	fixed focus
	IR Viewable Length	30m (98.43ft)	20m (65.62ft) (QNV-7010R), 25m (82.02ft) (QNV-7020R), 30m (98.43ft) (QNV-7030R)	30m (98.43ft)	20m (65.62ft) (QNV-6010R), 25m (82.02ft) (QNV-6020R), 30m (98.43ft) (QNV-6030R)	-	-	-
	Pan / Tilt / Rotate	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	-	360° Endless / 180° (-90° ~ 90°) / -	-
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	Auto (ICR)	Auto (ICR)	-
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	-
	Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNR III (2D+3D noise filter)	SSNR III (2D+3D noise filter)	SSNR
	Digital Image Stabilization	-	-	-	-	Support	Support	-
FEATURES	Intelligent Video Analytics	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection	Motion detection with metadata, Tampering, Defocus detection	Motion detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection, Loss network, IP conflict, Storage full / error, Tripwire, Intrusion
	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI, SVNP, Wisenet Open Platform	ONVIF profile S, SUNAPI, SVNP, Wisenet Open Platform	ONVIF profile S
	Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1 (Relay)	1 / 1 (Relay)	-
	Audio	Uni-directional	Uni-directional	Uni-directional	Uni-directional	-	-	Uni-directional
	Edge Storage	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	NAS	NAS	SD/SDHC/SDXC, NAS
	Environment Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP67, IK10	IP67, IK10	IP66, IK10
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Start up above -30°C (-22°F)	-40°C ~ +60°C (-40°F ~ +140°F) *Start up above -30°C (-22°F)	-40°C ~ +60°C (-40°F ~ +140°F)
	Power	DC 12V (Max. 6.4W), PoE (Max. 7.2W)	DC 12V (Max. 5.8W), PoE (Max. 7.0W) (QNV-7010R) DC 12V (Max. 5.7W), PoE (Max. 6.8W) (QNV-7020R/7030R)	DC 12V (Max. 5.5W), PoE (Max. 6.7W)	DC 12V (Max. 5.8W), PoE (Max. 7.0W) (QNV-6010R) DC 12V (Max. 5.7W), PoE (Max. 6.8W) (QNV-6020R/6030R)	AC 24V : Max. 18.0W (24V AC heater on)	AC 24V : Max. 75.0W (24V AC heater on)	DC 12V (Max. 8.0W), PoE (Max. 30.0W) (With heater)
Additional Features	Dimensions (WxHxD) / Weight	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 680g (1.5 lb)	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 490g (1.08 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 660g (1.46 lb)	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 490g (1.08 lb)	162.0 x 162.0 x 244.0mm (6.38" x 6.38" x 9.61") 7Kg (15.43 lb)	384.0 x 402.0 x 250.0mm (15.12" x 15.83" x 9.84") 35Kg (77.16 lb)	Ø90.2 x 312.7mm (Ø2.76" x 12.31") (Without sunshield) 1.25Kg (2.76 lb)
	Additional Features	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream	Lens Distortion Correction, Hallway view, WiseStream	Explosion-proof certi : ATEX, EX II 2 GD, Ex d IIC Gb T6, Ex tb IIIC Db T (80°C)	Explosion-proof certi : ATEX, EX II 2 GD, Ex d IIC Gb T6, Ex tb IIIC Db T (80°C), Pan/Tilt : 50°/sec (Preset), Endless rotation	Max. 1.3km detection available (Human)



Wisenet P
XRN-4011



Wisenet X
XRN-3010



Wisenet X
XRN-2011



Wisenet X
XRN-2010



Wisenet X
XRN-1610S

OS	Linux	Linux	Linux	Linux	Linux
Supported Compression	H.265, H.264, MJPEG, WiseStream	H.265, H.264, MJPEG, WiseStream	H.265, H.264, MJPEG, WiseStream	H.265, H.264, MJPEG, WiseStream	H.265, H.264, MJPEG, WiseStream
Max. Recording Bit Rate	400Mbps	300Mbps	256Mbps (H.265 4MP 32cameras real-time recording) 100Mbps (RAID 5 mode)	256Mbps (H.265 4MP 32cameras real-time recording)	180Mbps
Max # of Cameras	64	64	32	32	16
Internal Storage	Up to 12 SATA (Max. 96TB)	Up to 8 SATA (Max. 48TB)	Up to 8 SATA (Hot swap) Max. 48TB (Non RAID), Max.36TB (RAID 5)	Up to 8 SATA (Max. 48TB)	Up to 4 SATA (Max. 24TB)
External Storage	iSCSI	iSCSI, 1 e-SATA	iSCSI	iSCSI	iSCSI, 1 e-SATA
RAID	RAID 5/6	-	RAID 5	-	-
Hot Swap	-	-	Yes	-	-
Isolated Networks for Cameras / Source	Yes	Yes	Yes	Yes	Yes
Network Viewer Software	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile
Local Monitor	HDMI (Up to 4K), VGA Support dual monitor : HDMI / VGA	HDMI (Up to 4K), VGA Support dual monitor : HDMI / VGA	HDMI (Up to 4K, 32CH monitoring) Support dual monitor : HDMI / VGA	HDMI (Up to 4K, 32CH monitoring) Support dual monitor : HDMI / VGA	HDMI (Up to 4K), VGA Support dual monitor : HDMI / VGA
Camera Support	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF
Features	• N+1 failover supported • ARB redundancy supported • WiseStream support	• N+1 failover supported • ARB redundancy supported • WiseStream support, Webviewer supported	• N+1 failover supported • ARB redundancy supported • WiseStream support	• N+1 failover supported • ARB redundancy supported • WiseStream support	• Plug & play by 16 PoE / PoE+ ports • Webviewer supported • WiseStream support



Wisenet X
XRN-1610



Wisenet X
XRN-810S



Wisenet X
XRN-410S



Wisenet Q
QRN-810



Wisenet Q
QRN-410

OS	Linux	Linux	Linux	Linux	Linux
Supported Compression	H.265, H.264, MJPEG, WiseStream	H.265, H.264, MJPEG, WiseStream	H.265, H.264, MJPEG, WiseStream	H.265, H.264, MJPEG	H.265, H.264, MJPE
Max. Recording Bit Rate	180Mbps	100Mbps	50Mbps	100Mbps	50Mbps
Max # of Cameras	16	8	4	8	4
Internal Storage	Up to 4 SATA (Max. 24TB)	2 SATA	1 SATA	1 SATA	1 SATA
External Storage	iSCSI, 1 e-SATA	-	-	-	-
RAID	-	RAID 1	-	-	-
Hot Swap	-	-	-	-	-
Isolated Networks for Cameras / Source	Yes	Yes	Yes	Yes	Yes
Network Viewer Software	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile	SSM, Webviewer, SmartViewer, iPOLIS mobile
Local Monitor	HDMI (Up to 4K), VGA Support dual monitor : HDMI / VGA	HDMI (Up to 4K), VGA	HDMI (Up to 4K), VGA	HDMI (Up to 4K), VGA	HDMI (Up to 4K), VGA
Camera Support	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF
Features	• Webviewer supported • WiseStream support	• Defocus event trigger • ARB supported • Easy configuration (Setup Wizard, P2P) • Event push to smart phone	• Defocus event trigger • ARB supported • Easy configuration (Setup Wizard, P2P) • Event push to smart phone	• Defocus event trigger support • ARB supported • Business intelligence (people counting, heat map) • Easy configuration (Setup Wizard, P2P) • Event push to smart phone	• Defocus event trigger support • ARB supported • Business intelligence (people counting, heat map) • Easy configuration (Setup Wizard, P2P) • Event push to smart phone



		SNB-9000	SNB-8000	WISENET III SNB-7004	WISENET III SNB-6011B	WISENET III SNB-6010B	WISENET III SNB-6005	WISENET III SNB-6004	WISENET III SNB-6004F
VIDEO	Resolution	4K UHD & 12MP	5MP	3MP	2MP	2MP	2MP	2MP	2MP
	Imaging Device	1/2.3" 12M CMOS	1/1.8" 6M CMOS	1/2.8" 3.2M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS	1/1.9" 2.4M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
	Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	8M / 30fps, 12M / 20fps	5M / 20fps	3M / 30fps	2M / 30fps	2M / 30fps	2M / 60fps	2M / 60fps	2M / 60fps
	Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 6 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)
	Max. User Access	15 (Unicast)	10 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)
	Min. Illumination	Color : 0.28Lux B/W : 0.03Lux	Color : 0.1Lux B/W : 0.01Lux	Color : 0.06Lux B/W : 0.006Lux	* Color : 0.3Lux	* Color : 0.3Lux	Color : 0.015Lux B/W : 0.0015Lux	Color : 0.03Lux B/W : 0.002Lux	Color : 0.03Lux B/W : 0.002Lux
	Video Output	CVBS 1.0Vpp BNC type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type
	Lens	-	-	-	2.4mm pinhole (F 2.0)	4.6mm pinhole (F 2.5)	-	-	-
	Angular Field of View	-	-	-	H : 134.3° / V : 70.9°	H : 71° / V : 38°	-	-	-
OPERATIONAL	Focus Control	Simple focus / Manual	Simple focus / Manual	Simple focus / Manual	-	-	Simple focus / Manual	Simple focus / Manual	Simple focus / Manual
	IR Viewable Length	-	-	-	-	-	-	-	-
	Pan / Tilt / Rotate	-	-	-	-	-	-	-	-
	Day & Night	True (ICR)	True (ICR)	True (ICR)	Electrical	Electrical	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	BLC / HLC	BLC	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNRIII (2D+3D noise filter)	SSNR (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)
	Digital Image Stabilization	-	-	Support	Support	Support	Support	Support	Support
	Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection with metadata	Tampering, Audio detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection with metadata	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection with metadata
	Protocol	ONVIF profile S, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform
	Alarm I/O	2 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
FEATURES	Audio	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
	Edge Storage	micro SD/SDHC/SDXC	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS
	Environment Protection	-	-	-	-	-	-	-	-
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) / *Start up above -10°C (+14°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
	Power	AC 24V (Max. 12.5W) DC 12V (Max. 12.0W) PoE (Max. 12.0W)	AC 24V (Max. 12.65W) DC 12V (Max. 10.68W) PoE (Max. 12.14W)	AC 24V (Max. 13.1W) DC 12V (Max. 11.1W) PoE (Max. 12.6W)	DC 12V (Max. 6.5W) PoE (Max. 7.5W)	DC 12V (Max. 6.5W) PoE (Max. 7.5W)	AC 24V (Max. 11.44W) DC 12V (Max. 10.1W) PoE (Max. 11.1W)	AC 24V (Max. 11.44W) DC 12V (Max. 10.1W) PoE (Max. 11.1W)	AC 24V (Max. 12.5W) DC 12V (Max. 10.5W)
	Dimensions (WxHxD) / Weight	78.3 x 67.3 x 130.4mm (3.08" x 2.65" x 5.13") 493g (1.09 lb)	73.1 x 66.6 x 147.0mm (2.88" x 2.62" x 5.79") 566g (1.25 lb)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 430g (0.95 lb)	Header : Ø24.0 x 50.0mm (Ø0.94" x 1.97"), 80g (0.18 lb) (Include 1.5m cable) Main unit : 131.1 x 28.0 x 86.0 (5.16" x 1.1" x 3.39"), 255g (0.56 lb)	Header : Ø24.0 x 42.4mm (Ø0.94" x 1.67"), 80g (0.18 lb) (Include 1.5m cable) Main unit : 131.1 x 28.0 x 86.0 (5.16" x 1.1" x 3.39"), 255g (0.56 lb)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 430g (0.95 lb)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 395g (0.87 lb)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 385g (0.85 lb)
	Additional Features	RS-485	P-Iris, RS-485	P-Iris, RS-485, Defog	Separated head and body, Defog	Separated head and body, Defog	P-Iris, RS-485, Defog	P-Iris, RS-485, Defog	P-Iris, Defog, RS-485, SFP LC type

* Min. Illumination (50 IRE)

NETWORK



WISENET III
SNB-6003



WISENET III
SNB-5004



WISENET III
SNB-5003



WISENET III
SNZ-6320



SNO-8081R



WISENET III
SNO-7084R



WISENET III
SNO-6084R



WISENET III
SNO-6011R

	Resolution	2MP	1.3MP	1.3MP	2MP	5MP	3MP	2MP	2MP
VIDEO	Imaging Device	1/2.8" 2.38M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/2.8" 2.38M CMOS	1/1.8" 6M CMOS	1/2.8" 3.2M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
	Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.265, H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 60fps	1.3M / 60fps	1.3M / 60fps	2M / 60fps	5M / 30fps	3M / 30fps	2M / 60fps	2M / 30fps
	Streaming Capacity	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)
	Max. User Access	15 (Unicast)	15 (Unicast)	15 (Unicast)	10 (Unicast)	10 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)
	Min. Illumination	Color: 0.03Lux B/W: 0.03Lux	Color: 0.008Lux B/W: 0.002Lux	Color: 0.008Lux B/W: 0.008Lux	Color: 0.15Lux B/W: 0.015Lux	Color: 0.12Lux B/W: 0Lux (IR LED on)	Color: 0.06Lux B/W: 0Lux (IR LED on)	Color: 0.03Lux B/W: 0Lux (IR LED on)	Color: 0.08Lux B/W: 0Lux (IR LED on)
	Video Output	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp
	Lens	-	-	-	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	3.93 ~ 9.4mm (2.4x) Motorized V/F (F1.3)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3.8mm fixed (F2.0)
	Angular Field of View	-	-	-	H: 62.8°(Wide) ~ 2.23°(Tele) V: 36.8°(Wide) ~ 1.26°(Tele)	H: 93.4°(Wide) ~ 39.2°(Tele) V: 68.1°(Wide) ~ 29.3°(Tele)	H: 100.12°(Wide) ~ 35.38°(Tele) V: 73.76°(Wide) ~ 26.58°(Tele)	H: 105.5°(Wide) ~ 37.1°(Tele) V: 57.5°(Wide) ~ 21.0°(Tele)	H: 84.5° / V: 45.8° / D: 98.8°
	Focus Control	Manual	Simple focus / Manual	Manual	Auto / Manual / One push	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Manual
OPERATIONAL	IR Viewable Length	-	-	-	-	30m (98.43ft)	30m (98.43ft)	30m (98.43ft)	15m (49.21ft)
	Pan / Tilt / Rotate	-	-	-	-	-	-	-	-
	Day & Night	Electrical	True (ICR)	Electrical	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (130dB)	WDR (130dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB, 15fps)
	Digital Noise Reduction	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNR (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)
	Digital Image Stabilization	Support	Support	Support	Support	-	Support	Support	Support
	Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection, Tampering, Audio detection with metadata	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection with metadata
FEATURES	Protocol	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform
	Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1 (Relay)	1 / 1	1 / 1	1 / 1	1 / 0
	Audio	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	-
	Edge Storage	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS, Local PC	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC
	Environment Protection	-	-	-	-	IP66, IK10	IP66, IK10	IP66, IK10	IP66
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F) / *Start up above -35°C (-31°F)	AC 24V: -50°C ~ +55°C (-58°F ~ +131°F) / DC 12V, PoE: -20°C ~ +55°C (-4°F ~ +131°F) *Start up above -10°C (+14°F)	AC 24V: -50°C ~ +55°C (-58°F ~ +131°F) / DC 12V, PoE: -20°C ~ +55°C (-4°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)
	Power	AC 24V (Max. 9.5W) DC 12V (Max. 8.38W) PoE (Max. 9.18W)	AC 24V (Max. 11.53W) DC 12V (Max. 9.5W) PoE (Max. 11.0W)	AC 24V (Max. 9.8W) DC 12V (Max. 8.32W) PoE (Max. 9.14W)	DC 12V (Max. 9.0W) PoE (Max. 10.0W)	AC 24V (Max. 12.0W / 13.5W - Heater on) DC 12V (Max. 10.0W) / 11.5W - Heater on) PoE (Max. 11.5W) / 12.95W - Heater on)	AC 24V (Max. 13.0W / 19.0W - Heater on) DC 12V (Max. 11.5W) PoE (Max. 12.5W)	Max. 11.0W - Heater off AC 24V (Max. 17.0W - Heater on)	PoE (Max. 8.5W)
	Dimensions (WxHxD) / Weight	73.1 x 66.6 x 136.2mm (2.88" x 2.62" x 5.36") 330g (0.73 lb)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 395g (0.87 lb)	73.1 x 66.6 x 136.2mm (2.88" x 2.62" x 5.36") 330g (0.73 lb)	72.0 x 59.9 x 135.4mm (2.83" x 2.36" x 5.33") 540g (1.19 lb)	82.4 x 87.0 x 348.3mm (3.24" x 3.43" x 13.71") (Without sunshield) 1.42Kg (3.13 lb)	82.4 x 82.4 x 312.6mm (3.24" x 3.24" x 12.31") (Without sunshield) 1.19Kg (2.62 lb)	82.4 x 82.4 x 312.6mm (3.24" x 3.24" x 12.31") (Without sunshield) 1.19Kg (2.62 lb)	77.1 x 83.0 x 302.4mm (3.04" x 3.27" x 11.91") 560g (1.23 lb)
	Additional Features	P-Iris, RS-485, Defog	P-Iris, RS-485, Defog	P-Iris, RS-485, Defog	RS-485, Defog	Lens Distortion Correction, Hallway view, P-Iris	P-Iris, Defog	P-Iris, Defog	Defog

NETWORK



WISENET Lite
SNO-L6083R



WISENET Lite
SNO-L6013R



WISENET III
SNO-5084R



WISENET Lite
SNO-L5083R



SNF-8010/8010VM



WISENET III
SND-7084



WISENET III
SND-6084



WISENET III
SND-6083

	Resolution	2MP	2MP	1.3MP	1.3MP	5MP	3MP	2MP	2MP
VIDEO	Imaging Device	1/2.9" 2.19M CMOS	1/2.9" 2.19M CMOS	1/3" 1.37M CMOS	1/3" 1.37M CMOS	1/1.8" 6M CMOS	1/2.8" 3.2M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
	Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 30fps	2M / 30fps	1.3M / 60fps	1.3M / 30fps	5M / 20fps	3M / 30fps	2M / 60fps	2M / 60fps
	Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 5 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)
	Max. User Access	6 (Unicast)	6 (Unicast)	15 (Unicast)	6 (Unicast)	10 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)
	Min. Illumination	Color : 0.095Lux B/W : 0Lux (IR LED on)	Color : 0.15Lux B/W : 0Lux (IR LED on)	Color : 0.005Lux B/W : 0Lux (IR LED on)	Color : 0.04Lux B/W : 0Lux (IR LED on)	Color : 0.2Lux B/W : 0.02Lux	Color : 0.06Lux B/W : 0.002Lux	Color : 0.03Lux B/W : 0.002Lux	Color : 0.03Lux B/W : 0.03Lux
	Video Output	-	-	CVBS 1.0Vpp DIP connector type	-	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type
	Lens	2.8 ~ 12mm (4.3x) V/F (F1.4)	3.6mm fixed (F1.8)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	2.8 ~ 12mm (4.3x) V/F (F1.4)	1.14mm fixed (F2.5)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3 ~ 8.5mm (2.8x) V/F (F1.2)
	Angular Field of View	H : 103.8°(Wide) ~ 32.4°(Tele) / V : 53.7°(Wide) ~ 18.4°(Tele) / D : 121.9°(Wide) ~ 37.1°(Tele)	H : 86.5° / V : 47.8° / D : 101.2°	H : 93.4°(Wide) ~ 33.1°(Tele) / V : 73.8°(Wide) ~ 26.5°(Tele)	H : 88.2°(Wide) ~ 28.6°(Tele) / V : 69.4°(Wide) ~ 23.0°(Tele) / D : 117.3°(Wide) ~ 36.2°(Tele)	H : 187° / V : 187° / D : 187°	H : 100.12°(Wide) ~ 35.38°(Tele) / V : 73.76°(Wide) ~ 26.58°(Tele)	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21.0°(Tele)	H : 106.18°(Wide) ~ 37.1°(Tele) / V : 58.42°(Wide) ~ 20.94°(Tele)
	Focus Control	Manual	-	Simple focus (Motorized V/F) / Manual	Manual	Manual	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Manual
OPERATIONAL	IR Viewable Length	20m (65.62ft)	20m (65.62ft)	30m (98.43ft)	20m (65.62ft)	-	-	-	-
	Pan / Tilt / Rotate	-	-	-	-	-	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	Electrical
	Backlight Compensation	BLC, DWDR	BLC, DWDR	WDR (130dB)	BLC, DWDR	WDR (60dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNR/III (2D+3D noise filter)	SSNR	SSNR/III (2D+3D noise filter)	SSNR/III (2D+3D noise filter)	SSNR/III (2D+3D noise filter)	SSNR/III (2D+3D noise filter)
	Digital Image Stabilization	-	-	Support	-	-	Support	Support	Support
	Intelligent Video Analytics	Motion detection with metadata, Tampering	Motion detection with metadata, Tampering	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection with metadata, Tampering	Motion detection, Audio detection, Tampering	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection
FEATURES	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform
	Alarm I/O	-	-	1 / 1	-	1 / 1	1 / 1	1 / 1	1 / 1
	Audio	Uni-directional	Uni-directional	Bi-directional	Uni-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
	Edge Storage	micro SD/SDHC, NAS	micro SD/SDHC, NAS	micro SD/SDHC/SDXC	micro SD/SDHC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS
	Environment Protection	IP66, IK10	IP66	IP66, IK10	IP66, IK10	IP66, IK10 / EN-61373/50155 (SNF-8010VM)	-	-	-
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-10°C ~ +55°C (+14°F ~ +131°F) (SNF-8010) -30°C ~ +55°C (-22°F ~ +131°F) *Start up above -25°C (-13°F) (SNF-8010VM)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
	Power	PoE (Max. 5.9W)	PoE (Max. 5.7W)	AC 24V (Max. 12.0W, 13.5W - Heater on) DC 12V (Max. 10.0W, 11.5W - Heater on) PoE (Max. 1.5.0W, 12.95W - Heater on)	PoE (Max. 5.9W)	DC 12V (Max. 8.7W), PoE (Max. 10.3W) mode A only (SNF-8010VM)	DC 12V (Max. 9.6W) PoE (Max. 11.6W)	DC 12V (Max. 8.79W) PoE (Max. 9.57W)	DC 12V (Max. 8.09W) PoE (Max. 8.94W)
	Dimensions (WxHxD) / Weight	Ø70.0 x 246.0mm (Ø2.76" x 9.69") (Without sunshield) 700g (1.54 lb)	Ø58.6 x 165.2mm (Ø2.31" x 6.5") (Without sunshield) 250g (0.55 lb)	82.4 x 82.4 x 312.6mm (3.24" x 3.24" x 12.31") (With sunshield) 1.17Kg (2.58 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") (Without sunshield) 650g (1.43 lb)	Ø145.9 x 49.6mm (Ø5.74" x 1.95") 780g (1.72 lb) (SNF-8010) Ø145.9 x 62.4mm (Ø5.74" x 2.46") 800g (1.76 lb) (SNF-8010VM)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 605g (1.33 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 505g (1.11 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 485g (1.07 lb)
	Additional Features	Lens Distortion Correction, Hallway view	Lens Distortion Correction, Hallway view	P-Iris, Defog	Lens Distortion Correction, Hallway view	Various viewing compositions, M12 connector (SNF-8010VM)	P-Iris, Defog	P-Iris, Defog	Defog



WISENET Lite
SND-L6013



WISENET Lite
SND-L6012



WISENET III
SND-5084



WISENET III
SND-5083



WISENET Lite
SND-L5013



WISENET III
SND-7084R



WISENET III
SND-6084R



WISENET III
SND-6011R

	Resolution	2MP	2MP	1.3MP	1.3MP	1.3MP	3MP	2MP	2MP
VIDEO	Imaging Device	1/2.9" 2.19M CMOS	1/2.9" 2.19M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.37M CMOS	1/2.8" 3.2M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
	Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 30fps	2M / 30fps	1.3M / 60fps	1.3M / 60fps	1.3M / 30fps	3M / 30fps	2M / 60fps	2M / 30fps
	Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)
	Max. User Access	6 (Unicast)	6 (Unicast)	15 (Unicast)	15 (Unicast)	6 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)
	Min. Illumination	Color : 0.15Lux B/W : 0.15Lux	Color : 0.15Lux B/W : 0.15Lux	Color : 0.008Lux B/W : 0.002Lux	Color : 0.008Lux B/W : 0.002Lux	Color : 0.085Lux B/W : 0.085Lux	Color : 0.06Lux B/W : 0Lux (IR LED on)	Color : 0.03Lux B/W : 0Lux (IR LED on)	Color : 0.08Lux B/W : 0Lux (IR LED on)
	Video Output	-	-	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	-	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp
	Lens	3.6mm fixed (F1.8)	2.8mm fixed (F1.8)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	2.8 ~ 10mm (3.6x) V/F (F1.2)	3.6mm fixed (F1.8)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3.8mm fixed (F2.0)
	Angular Field of View	H : 86.5° / V : 47.8° / D : 101.2°	H : 110° / V : 61° / D : 125°	H : 93.3°(Wide) ~ 33.2°(Tele) / V : 73.7°(Wide) ~ 26.6°(Tele)	H : 94.6°(Wide) ~ 28.8°(Tele) / V : 68.4°(Wide) ~ 21.6°(Tele)	H : 74° / V : 58° / D : 97°	H : 100.12°(Wide) ~ 35.38°(Tele) / V : 73.76°(Wide) ~ 26.58°(Tele)	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21.0°(Tele)	H : 84.5° / V : 45.8° / D : 98.8°
	Focus Control	-	-	Simple focus (Motorized V/F) / Manual	Manual	-	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	-
OPERATIONAL	IR Viewable Length	-	-	-	-	-	25m (82.02ft)	15m (49.21ft)	10m (32.81ft)
	Pan / Tilt / Rotate	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
	Day & Night	Electrical	Electrical	True (ICR)	True (ICR)	Electrical	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	BLC, DWDR	BLC, DWDR	WDR (130dB)	WDR (130dB)	BLC, DWDR	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNR	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)
	Digital Image Stabilization	-	-	Support	Support	-	Support	Support	Support
	Intelligent Video Analytics	Motion detection with metadata, Tampering	Motion detection with metadata, Tampering	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection with metadata, Tampering	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection
FEATURES	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform
	Alarm I/O	-	-	1 / 1	1 / 1	-	1 / 1	1 / 1	1 / 0
	Audio	Uni-directional	Uni-directional	Bi-directional	Bi-directional	Uni-directional	Bi-directional	Bi-directional	-
	Edge Storage	micro SD/SDHC, NAS	micro SD/SDHC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	micro SD/SDHC, NAS	micro SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC
	Environment Protection	-	-	-	-	-	-	-	-
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
	Power	PoE (Max. 2.4W)	PoE (Max. 2.4W)	DC 12V (Max. 9.0W) PoE (Max. 11.0W)	DC 12V (Max. 9.0W) PoE (Max. 11.0W)	PoE (Max. 2.4W)	DC 12V (Max. 10.0W) PoE (Max. 11.0W)	DC 12V, PoE (Max. 9.0W)	PoE (Max. 8.0W)
	Dimensions (WxHxD) / Weight	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 250g (0.55 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 240g (0.53 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 525g (1.16 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 500g (1.1 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 240g (0.53 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 575g (1.27 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 525g (1.16 lb)	Ø120.0 x 101.8mm (Ø4.72" x 4.01") 380g (0.84 lb)
	Additional Features	Lens Distortion Correction, Hallway view	Lens Distortion Correction, Hallway view	P-Iris, Defog	Defog	Lens Distortion Correction, Hallway view	P-Iris, Defog	P-Iris, Defog	Defog



WISENET Lite
SND-L6083R



WISENET Lite
SND-L6013R



WISENET III
SND-5084R



WISENET Lite
SND-L5083R



SNV-8080



WISENET III
SNV-7084



WISENET III
SNV-6084



WISENET III
SNV-6013

	Resolution	2MP	2MP	1.3MP	1.3MP	5MP	3MP	2MP	2MP
VIDEO	Imaging Device	1/2.9" 2.19M CMOS	1/2.9" 2.19M CMOS	1/3" 1.3M CMOS	1/3" 1.37M CMOS	1/1.8" 6M CMOS	1/2.8" 3.2M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
	Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 30fps	2M / 30fps	1.3M / 60fps	1.3M / 30fps	5M / 20fps	3M / 30fps	2M / 60fps	2M / 60fps
	Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 6 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)
	Max. User Access	6 (Unicast)	6 (Unicast)	15 (Unicast)	6 (Unicast)	10 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)
	Min. Illumination	Color: 0.095Lux B/W: 0Lux (IR LED on)	Color: 0.15Lux B/W: 0Lux (IR LED on)	Color: 0.005Lux B/W: 0Lux (IR LED on)	Color: 0.04Lux B/W: 0Lux (IR LED on)	Color: 0.1Lux B/W: 0.01Lux	Color: 0.06Lux B/W: 0.006Lux	Color: 0.03Lux B/W: 0.002Lux	Color: 0.15Lux B/W: 0.15Lux
	Video Output	-	-	CVBS 1.0Vpp DIP connector type	-	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type
	Lens	2.8 ~ 12mm (4.3x) V/F (F1.4)	3.6mm fixed (F1.8)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	2.8 ~ 12mm (4.3x) V/F (F1.4)	3.6 ~ 9.4mm (2.6x) Motorized V/F (F1.2)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	2.8mm fixed (F1.8)
OPERATIONAL	Angular Field of View	H: 103.8°(Wide) ~ 32.4°(Tele) / V: 53.7°(Wide) ~ 18.4°(Tele) / D: 121.9°(Wide) ~ 37.1°(Tele)	H: 86.5° / V: 47.8° / D: 101.2°	H: 93.4°(Wide) ~ 33.1°(Tele) / V: 73.8°(Wide) ~ 26.5°(Tele)	H: 88.2°(Wide) ~ 28.6°(Tele) / V: 69.4°(Wide) ~ 23.0°(Tele) / D: 117.3°(Wide) ~ 36.2°(Tele)	H: 104.0°(Wide) ~ 39.2°(Tele) / V: 75.2°(Wide) ~ 29.3°(Tele)	H: 100.12°(Wide) ~ 35.38°(Tele) / V: 73.76°(Wide) ~ 26.58°(Tele)	H: 105.5°(Wide) ~ 37.1°(Tele) / V: 57.5°(Wide) ~ 21.0°(Tele)	H: 112° / V: 62°
	Focus Control	Manual	-	Simple focus (Motorized V/F) / Manual	Manual	Simple focus / Manual	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	-
	IR Viewable Length	15m (49.21ft)	15m (49.21ft)	30m (98.43ft)	15m (49.21ft)	-	-	-	-
	Pan / Tilt / Rotate	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	-
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	Electrical
	Backlight Compensation	BLC, DWDR	BLC, DWDR	WDR (130dB)	BLC, DWDR	BLC	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNRIII (2D+3D noise filter)	SSNR	SSNR (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)
	Digital Image Stabilization	-	-	Support	-	-	Support	Support	Support
FEATURES	Intelligent Video Analytics	Motion detection with metadata, Tampering	Motion detection with metadata, Tampering	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection with metadata, Tampering	Motion detection, Tampering, Audio detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Face detection, People counting, Zone analyzing
	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform
	Alarm I/O	-	-	1 / 1	-	1 / 1	1 / 1	1 / 1	-
	Audio	Uni-directional	Uni-directional	Bi-directional	Uni-directional	Bi-directional	Bi-directional	Bi-directional	-
	Edge Storage	micro SD/SDHC, NAS	micro SD/SDHC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS
	Environment Protection	-	-	-	-	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)
	Power	PoE (Max. 5.4W)	PoE (Max. 5.9W)	DC 12V, PoE (Max. 10.5W)	PoE (Max. 5.4W)	AC 24V (Max. 14.2W) DC 12V (Max. 11.5W) PoE (Max. 12.95W)	AC 24V (Max. 11.0W, 13.0W - Heater on) DC 12V (Max. 9.0W, 11.5W - Heater on) PoE (Max. 10.0W, 12.5W - Heater on)	DC 12V, AC 24V (Max. 14.0W - Heater on), PoE (Max. 12.95W - Heater on)	PoE (Max. 7.5W)
Additional Features	Dimensions (WxHxD) / Weight	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 290g (0.64 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 245g (0.54 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 585g (1.29 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 290g (0.64 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 980g (2.16 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 960g (2.12 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 985g (2.17 lb)	Ø112.8 x 63.7mm (Ø4.44" x 2.51") 550g (1.21 lb)
	Additional Features	Lens Distortion Correction, Hallway view	Lens Distortion Correction, Hallway view	P-Iris, Defog	Lens Distortion Correction, Hallway view	-	P-Iris, Defog	P-Iris, Defog	Defog



WISENET III
SNV-6012M



WISENET III
SNV-5084



SNV-8081R



WISENET III
SNV-7084R



WISENET III
SNV-6085R



WISENET III
SNV-6084R



WISENET Lite
SNV-L6083R



WISENET Lite
SNV-L6013R

	Resolution	2MP	1.3MP	5MP	3MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/2.8" 2.38M CMOS	1/3" 1.3M CMOS	1/1.8" 6M CMOS	1/2.8" 3.2M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS	1/2.9" 2.19M CMOS	1/2.9" 2.19M CMOS
	Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.265, H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 60fps	1.3M / 60fps	5M / 30fps	3M / 30fps	2M / 60fps	2M / 60fps	2M / 30fps	2M / 30fps
	Streaming Capacity	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 3 profiles)
	Max. User Access	15 (Unicast)	15 (Unicast)	10 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)	6 (Unicast)	6 (Unicast)
	Min. Illumination	Color: 0.15Lux B/W: 0.15Lux	Color: 0.008Lux B/W: 0.002Lux	Color: 0.15Lux B/W: 0Lux (IR LED on)	Color: 0.06Lux B/W: 0Lux (IR LED on)	Color: 0.09Lux B/W: 0Lux (IR LED on)	Color: 0.03Lux B/W: 0Lux (IR LED on)	Color: 0.095Lux B/W: 0Lux (IR LED on)	Color: 0.15Lux B/W: 0Lux (IR LED on)
	Video Output	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	CVBS 1.0Vpp DIP connector type	-	-
	Lens	3mm fixed (F2.0)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3.93 ~ 9.4mm (2.4x) Motorized V/F (F1.3)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	10 ~ 23mm (2.3x) Motorized V/F (F1.6)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	2.8 ~ 12mm (4.3x) V/F (F1.4)	3.6mm fixed (F1.8)
OPERATIONAL	Angular Field of View	H: 103.1° / V: 53.9° / D: 124.5°	H: 93.3°(Wide) ~ 33.2°(Tele) / V: 73.7°(Wide) ~ 26.6°(Tele)	H: 93.4°(Wide) ~ 39.2°(Tele) / V: 68.1°(Wide) ~ 29.3°(Tele)	H: 100.12°(Wide) ~ 35.38°(Tele) / V: 73.76°(Wide) ~ 26.58°(Tele)	H: 31.3°(Wide) ~ 13.9°(Tele) / V: 17.1°(Wide) ~ 7.8°(Tele)	H: 105.5°(Wide) ~ 37.1°(Tele) / V: 57.5°(Wide) ~ 21.0°(Tele)	H: 103.8°(Wide) ~ 32.4°(Tele) / V: 53.7°(Wide) ~ 18.4°(Tele) / D: 121.9°(Wide) ~ 37.1°(Tele)	H: 86.5° / V: 47.8° / D: 101.2°
	Focus Control	-	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	Manual	-
	IR Viewable Length	-	-	30m (98.43ft)	25m (82.02ft)	20m (65.62ft)	15m (49.21ft)	20m (65.62ft)	15m (49.21ft)
	Pan / Tilt / Rotate	-10° ~ 10° / 0° ~ 90° / -	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	-5° ~ 5° / 0° ~ 67° / 90°
	Day & Night	Electrical	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (130dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	BLC, DWDR	BLC, DWDR
	Digital Noise Reduction	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNR (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNR	SSNR
	Digital Image Stabilization	Support	Support	Support	Support	Support	Support	-	-
FEATURES	Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection, Tampering, Audio detection with metadata	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection with metadata, Tampering	Motion detection with metadata, Tampering
	Protocol	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI
	Alarm I/O	-	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	-	-
	Audio	-	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Uni-directional	Uni-directional
	Edge Storage	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS, Local PC	micro SD/SDHC/SDXC, NAS	micro SD/SDHC, NAS, Local PC	SD/SDHC/SDXC, NAS	micro SD/SDHC, NAS	micro SD/SDHC, NAS
	Environment Protection	IP66, IK10 / EN50155, EN50121	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	AC 24V: -40°C ~ +55°C (-40°F ~ +131°F) DC 12V, PoE: -20°C ~ +55°C (-4°F ~ +131°F) *Start up above -10°C (+14°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	AC 24V: -40°C ~ +55°C (-40°F ~ +131°F) DC 12V, PoE: -20°C ~ +55°C (-4°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)
	Power	PoE (Max. 7.5W)	DC 12V, AC 24V (Max. 14.0W - Heater on), PoE (Max. 12.95W - Heater on)	AC 24V (Max. 12.0W / 13.5W - Heater on) DC 12V (Max. 10.0W) / 11.5W - Heater on) PoE (Max. 11.5W) / 12.95W - Heater on)	AC 24V (Max. 12.0W, 15.0W - Heater on), DC 12V (Max. 10.5W), PoE (Max. 11.5W)	AC 24V, DC 12V, PoE (Max. 11.0W - Heater off), (Max. 12.95W - Heater on)	Max. 9.5W, AC 24V (Max. 13.5W - Heater on)	PoE (Max. 5.8W)	PoE
	Dimensions (WxHxD) / Weight	135.2 x 54.3 x 124.5mm (5.32" x 2.14" x 4.9") 530g (1.17 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 985g (2.17 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 955g (2.11 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 975g (2.15 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 970g (2.14 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 960g (2.12 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 670g (1.48 lb)	99.0 x 52.0 x 100.0mm (3.9" x 2.05" x 3.94") 300g (0.66 lb)
	Additional Features	Defog, M12 connector	P-Iris, Defog	Lens Distortion Correction, Hallway view, P-Iris	P-Iris, Defog	P-Iris, Defog	P-Iris, Defog	Lens Distortion Correction, Hallway view	Lens Distortion Correction, Hallway view

								
	WISENET Lite SNV-L6014RM/L6014RBM	WISENET III SNV-5084R	WISENET Lite SNV-L5083R	WISENET III SNP-6321H	WISENET III SNP-6321	WISENET III plus SNP-6320H	WISENET III plus SNP-6320	WISENET Lite SNP-L6233H
Resolution	2MP	1.3MP	1.3MP	2MP	2MP	2MP	2MP	2MP
Imaging Device	1/2.9" 2.19M CMOS	1/3" 1.37M CMOS	1/3" 1.37M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Resolution / Max. Frame Rate	2M / 30fps	1.3M / 60fps	1.3M / 30fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 30fps
Streaming Capacity	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 3 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)
Max. User Access	6 (Unicast)	15 (Unicast)	6 (Unicast)	10 (Unicast)	10 (Unicast)	15 (Unicast)	15 (Unicast)	10 (Unicast)
Min. Illumination	Color: 0.15Lux B/W: 0Lux (IR LED on)	Color: 0.005Lux B/W: 0Lux (IR LED on)	Color: 0.04Lux B/W: 0Lux (IR LED on)	Color: 0.15Lux B/W: 0.015Lux	Color: 0.15Lux B/W: 0.015Lux	Color: 0.2Lux B/W: 0.01Lux	Color: 0.2Lux B/W: 0.01Lux	Color: 0.15Lux B/W: 0.015Lux
VIDEO								
Video Output	-	CVBS 1.0Vpp DIP connector type	-	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp
Lens	3.6mm fixed (F1.8)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	2.8 ~ 12mm (4.3x) V/F (F1.4)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	4.44 ~ 102.1mm (Optical 23x)
Angular Field of View	H: 86.5° / V: 47.8° / D: 101.2°	H: 93.4°(Wide) ~ 33.1°(Tele) / V: 73.8°(Wide) ~ 26.5°(Tele)	H: 88.2°(Wide) ~ 28.6°(Tele) / V: 69.4°(Wide) ~ 23.0°(Tele) / D: 117.3°(Wide) ~ 36.2°(Tele)	H: 62.8°(Wide) ~ 2.23°(Tele) / V: 36.8°(Wide) ~ 1.26°(Tele)	H: 62.8°(Wide) ~ 2.23°(Tele) / V: 36.8°(Wide) ~ 1.26°(Tele)	H: 62.8°(Wide) ~ 2.23°(Tele) / V: 36.8°(Wide) ~ 1.26°(Tele)	H: 62.8°(Wide) ~ 2.23°(Tele) / V: 36.8°(Wide) ~ 1.26°(Tele)	H: 62.8°(Wide) ~ 3.14°(Tele) / V: 36.8°(Wide) ~ 1.76°(Tele)
Focus Control	-	Simple focus (Motorized V/F) / Manual	Manual	Auto / Manual / One push	Auto / Manual / One push	Auto / Manual / One push	Auto / Manual / One push	Auto / Manual / One push
IR Viewable Length	15m (49.21ft)	30m (98.43ft)	20m (65.62ft)	-	-	-	-	-
Pan / Tilt / Rotate	-5° ~ 5° / 0° ~ 67° / 90°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	360° Endless / 210° (-15° ~ 195°) / True (ICR)	360° Endless / 210° (-15° ~ 195°) / True (ICR)	360° Endless / 210° (-15° ~ 195°) / True (ICR)	360° Endless / 210° (-15° ~ 195°) / True (ICR)	360° Endless / 210° (-15° ~ 195°) / True (ICR)
Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
Backlight Compensation	BLC, DWDR	WDR (130dB)	BLC, DWDR	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (100dB)
Digital Noise Reduction	SSNR	SSNRIII (2D+3D noise filter)	SSNR	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)	SSNRIII (2D+3D noise filter)
Digital Image Stabilization	-	Support	-	Support	Support	Support	Support	Support
OPERATIONAL								
Intelligent Video Analytics	Motion detection with metadata, Tampering	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Motion detection with metadata, Tampering	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection
FEATURES								
Protocol	ONVIF profile S, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S & G, SUNAPI	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform
Alarm I/O	-	1 / 1	-	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)
Audio	Uni-directional	Bi-directional	Uni-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
Edge Storage	micro SD/SDHC, NAS	micro SD/SDHC/SDXC, NAS	micro SD/SDHC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	micro SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS
Environment Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IK10 (With SHP-3701H)	IP66, IK10	IK10 (With SHP-3701H)	IP66, IK10
Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F) *Start up above -35°C (-31°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	AC 24V: -50°C ~ +55°C (-58°F ~ +131°F) PoE+: -30°C ~ +55°C (-22°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	AC 24V: -50°C ~ +55°C (-58°F ~ +131°F) PoE+: -30°C ~ +55°C (-22°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	AC 24V: -50°C ~ +55°C (-58°F ~ +131°F) PoE+: -30°C ~ +55°C (-22°F ~ +131°F)
Power	PoE	AC 24V, DC 12V, PoE (Max. 11.0W, 12.95W - Heater on)	PoE (Max. 5.8W)	AC 24V (Max. 65.0W - AC & PoE heater on) PoE+ (Max. 25.0W - PoE heater on)	AC 24V, PoE+ (Max. 20.0W)	AC 24V, PoE+ (Max. 24.0W), AC 24V (Max. 65.0W - Heater on)	AC 24V, PoE+ (Max. 20.0W)	AC 24V (Max. 65.0W - AC & PoE heater on) PoE+ (Max. 25.0W - PoE heater on)
Dimensions (WxHxD) / Weight	99.0 x 52.0 x 100.0mm (3.9" x 2.05" x 3.94") 300g (0.66 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 985g (2.17 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 670g (1.48 lb)	Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.2Kg (7.05 lb)	Ø152.0 x 218.0mm (Ø5.98" x 8.58") 1.8Kg (3.97 lb)	Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.3Kg (7.28 lb)	Ø152.0 x 218.0mm (Ø5.98" x 8.58") 2.2Kg (4.85 lb)	Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.2Kg (7.05 lb)
Additional Features	M12 connector, Lens Distortion Correction, Hallway view, Built-in mic	P-Iris, Defog	Lens Distortion Correction, Hallway view	RS-485, Defog	RS-485, Defog	Auto tracking, RS-485, Defog	Auto tracking, RS-485, Defog	RS-485, Defog



WISENET Lite
SNP-L6233



WISENET III
SNP-5321H/5321



WISENET Lite
SNP-L5233H



WISENET Lite
SNP-L5233



WISENET III plus
SNP-5430H/5430



WISENET III plus
SNP-6320RH



WISENET III plus
SNP-6230RH



WISENET Lite
SNP-L6233RH

	Resolution	2MP	1.3MP	1.3MP	1.3MP	1.3MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/2.8" 2.38M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/4" 1.3M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
	Video Compression Format	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 30fps	1.3M / 60fps	1M / 30fps	1M / 30fps	1.3M / 60fps	2M / 60fps	2M / 60fps	2M / 30fps
	Streaming Capacity	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)	Multiple (Up to 10 profiles)
	Max. User Access	10 (Unicast)	10 (Unicast)	10 (Unicast)	10 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)
	Min. Illumination	Color : 0.15Lux B/W : 0.015Lux	Color : 0.05Lux B/W : 0.005Lux	Color : 0.05Lux B/W : 0.005Lux	Color : 0.05Lux B/W : 0.005Lux	Color : 0.3Lux B/W : 0.006Lux	Color : 0.1Lux B/W : 0Lux (IR LED on)	Color : 0.1Lux B/W : 0Lux (IR LED on)	Color : 0.1Lux B/W : 0Lux (IR LED on)
	Video Output	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp
OPERATIONAL	Lens	4.44 ~ 102.1mm (Optical 23x)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	4.44 ~ 102.1mm (Optical 23x)	4.44 ~ 102.1mm (Optical 23x)	3.5 ~ 150.5mm (Optical 43x) F1.4(Wide) / F4.9(Tele)	4.4 ~ 140.8mm (IR corrected optical 32x) F1.6(Wide) / F4.9(Tele)	4.4 ~ 101.2mm (IR corrected optical 23x) F1.6(Wide) / F4.5(Tele)	4.4 ~ 101.2mm (IR corrected optical 23x) F1.6(Wide) / F4.5(Tele)
	Angular Field of View	H : 62.8°(Wide) ~ 3.14°(Tele) / V : 36.8°(Wide) ~ 1.76°(Tele)	H : 56.8°(Wide) ~ 1.99°(Tele) / V : 46.3°(Wide) ~ 1.6°(Tele)	H : 56.8°(Wide) ~ 2.8°(Tele) / V : 46.3°(Wide) ~ 2.24°(Tele)	H : 56.8°(Wide) ~ 2.8°(Tele) / V : 46.3°(Wide) ~ 2.24°(Tele)	H : 53.92°(Wide) ~ 1.396°(Tele) / V : 44.08°(Wide) ~ 1.12°(Tele)	H : 63.68°(Wide) ~ 2.24°(Tele) / V : 37.52°(Wide) ~ 1.28°(Tele)	H : 63.68°(Wide) ~ 3.1°(Tele) / V : 37.52°(Wide) ~ 1.76°(Tele)	H : 63.68°(Wide) ~ 3.1°(Tele) / V : 37.52°(Wide) ~ 1.76°(Tele)
	Focus Control	Auto / Manual / One push	Auto / Manual / One push	Auto / Manual / One push	Auto / Manual / One push	Auto / Manual / One push	AF / One-shot AF / Manual	AF / One-shot AF / Manual	AF / One-shot AF / Manual
	IR Viewable Length	-	-	-	-	-	150m (492.13ft)	100m (328.08ft)	100m (328.08ft)
	Pan / Tilt / Rotate	360° Endless / 210° (-15° ~ 195°) / -	360° Endless / 210° (-15° ~ 195°) / -	360° Endless / 210° (-15° ~ 195°) / -	360° Endless / 210° (-15° ~ 195°) / -	360° Endless / 210° (-15° ~ 195°) / -	360° Endless / 190° (-5° ~ 185°) / -	360° Endless / 190° (-5° ~ 185°) / -	360° Endless / 190° (-5° ~ 185°) / -
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (120dB)	WDR (120dB)	WDR (100dB)
FEATURES	Digital Noise Reduction	SSNR III (2D+3D noise filter)	SSNR III (2D+3D noise filter)	SSNR III (2D+3D noise filter)	SSNR III (2D+3D noise filter)	SSNR III (2D+3D noise filter)	SSNR III (2D+3D noise filter)	SSNR III (2D+3D noise filter)	SSNR
	Digital Image Stabilization	Support	Support	Support	Support	Support	Support	Support	Support
	Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection
	Protocol	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI, Open platform	ONVIF profile S, SUNAPI
	Alarm I/O	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 3 (Relay)	4 / 3 (Relay)	4 / 3 (Relay)
	Audio	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
	Edge Storage	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC, NAS	SD/SDHC/SDXC (SNP-5430H), micro SD/SDHC/SDXC (SNP-5430), NAS	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
FEATURES	Environment Protection	IK10 (With SHP-3701H)	IP66, IK10 (SNP-5321H), IK10 (With SHP-3701H) (SNP-5321)	IP66, IK10	IK10 (With SHP-3701H)	IP66, IK10 (SNP-5430H), IK10 (With SHP-3701H) (SNP-5430)	IP66, IK10	IP66, IK10	IP66, IK10
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	AC 24V : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F) (SNP-5321H), -10°C ~ +55°C (+14°F ~ +131°F) (SNP-5321)	AC 24V : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	AC 24V : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F) (SNP-5430H), -10°C ~ +55°C (+14°F ~ +131°F) (SNP-5430)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)
	Power	AC 24V, PoE+ (Max. 20.0W)	AC 24V (Max. 65.0W - AC & PoE heater on) AC & PoE heater on (Max. 25.0W - PoE heater on) (SNP-5321H), AC 24V, PoE+ (Max. 20.0W) (SNP-5321)	AC 24V (Max. 65.0W - AC & PoE heater on) PoE+ (Max. 25.0W - PoE heater on)	AC 24V, PoE+ (Max. 20.0W)	AC 24V, PoE+ (Max. 24.0W), AC 24V (Max. 65.0W - Heater on) (SNP-5430H), AC 24V, PoE+ (Max. 20.0W) (SNP-5430)	AC 24V (Max. 30.0W - heater off Max. 35.0W/90.0W - heater off/on, IR on)	AC 24V (Max. 30.0W - heater off Max. 35.0W/90.0W - heater off/on, IR on)	AC 24V (Max. 30.0W - heater off Max. 35.0W/90.0W - heater off/on, IR on)
	Dimensions (WxHxD) / Weight	Ø152.0 x 218.0mm (Ø5.98" x 8.58") 1.8Kg (3.97 lb)	Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.2Kg (7.05 lb) (SNP-5321H), Ø152.0 x 218.0mm (Ø5.98" x 8.58") 1.8Kg (3.97 lb) (SNP-5321)	Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.2Kg (7.05 lb)	Ø152.0 x 218.0mm (Ø5.98" x 8.58") 1.8Kg (3.97 lb)	Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.4Kg (7.5 lb) (SNP-5430H), Ø152.0 x 218.0mm (Ø5.98" x 8.58") 2.2Kg (4.85 lb) (SNP-5430)	Ø248.0 x 399.5mm (Ø9.76" x 15.73") 7.1Kg (15.65 lb)	Ø248.0 x 399.5mm (Ø9.76" x 15.73") 7.1Kg (15.65 lb)	Ø248.0 x 399.5mm (Ø9.76" x 15.73") 7.1Kg (15.65 lb)
	Additional Features	RS-485, Defog	RS-485, Defog	RS-485, Defog	RS-485, Defog	Auto tracking, RS-485, Defog	Auto tracking, RS-485/422, Defog	Auto tracking, RS-485/422, Defog	RS-485/422, Defog



SRN-4000



SRN-1673S



SRN-873S

OS	Linux	Linux	Linux
Supported Compression	H.264, MPEG-4, MJPEG	H.264, MJPEG	H.264, MJPEG
Max. Recording Bit Rate	400Mbps	80Mbps	64Mbps
Max # of Cameras	64	16	8
Internal Storage	Up to 12 SATA	Up to 4 SATA	Up to 2 SATA
External Storage	iSCSI	1 e-SATA	1 e-SATA
RAID	RAID 5/6	-	-
Hot Swap	Yes	-	-
Isolated Networks for Cameras / Source	Yes	Yes	Yes
Network Viewer Software	SSM, SmartViewer, IPOLIS mobile	SSM, SmartViewer, IPOLIS mobile	SSM, SmartViewer, IPOLIS mobile
Local Monitor	HDMI / VGA	HDMI / VGA	HDMI / VGA
Camera Support	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF
Features	• Redundant hot swap power supply • Built-in intelligent video analysis (Heatmap, Video summary, Object classification) • Webviewer supported	• Plug & play by 16 PoE / PoE+ ports • Webviewer supported • HDD removable (Easy install)	• Plug & play by 8 PoE / PoE+ ports • Webviewer supported



SRN-473S



SRN-472S



SRM-872

OS	Linux	Linux	Linux
Supported Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max. Recording Bit Rate	32Mbps	32Mbps	64Mbps
Max # of Cameras	4	4	8
Internal Storage	Up to 1 SATA	Up to 2 SATA	Up to 1 SATA (2.5")
External Storage	-	-	-
RAID	-	-	-
Hot Swap	-	-	Yes
Isolated Networks for Cameras / Source	Yes	Yes	Yes
Network Viewer Software	SSM, SmartViewer, IPOLIS mobile	SSM, SmartViewer, IPOLIS mobile	SmartViewer AUTO, IPOLIS mobile AUTO
Local Monitor	HDMI / VGA	HDMI / VGA	HDMI / VGA
Camera Support	Samsung, ONVIF	Samsung, ONVIF	Samsung, ONVIF
Features	• Plug & play by 4 PoE / PoE+ ports • Webviewer supported	• Plug & play by 4 PoE ports • Webviewer supported	• Plug & play by 8 PoE ports • GPS supported • Standards approval for transportation (EN50155, EN61373)



SRN-1673S/873S/473S

Real-time storage of all channels

- Max. 2MP 16CH realtime recording (Max. 80Mbps recording)

Easy install & enhanced user convenience

- Replaceable HDD 4ea, e-SATA support (SRN-1673S)
- PoE/PoE+ support for all channels
- Installation wizard function with easy setup without PC

Meet retail vertical needs and enhanced system scalability

- Compact design
- POS integration
- Compatible with PoE extender (SPO-100), Controller (SPC-2000), PoE switch



NETWORK

Encoder / Decoder



SPE-400



SPE-101

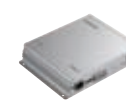


SPE-100



SPE-400B

	SPE-400	SPE-101	SPE-100	SPE-400B
Max. # of Cameras	4	1	1	4
Supported Compression	H.264, MJPEG, MPEG-4	H.264, MJPEG, MPEG-4	H.264, MJPEG, MPEG-4	H.264, MJPEG, MPEG-4
Max. Resolution	704 x 480 / 704 x 576 (NTSC / PAL)	704 x 480 / 704 x 576 (NTSC / PAL)	704 x 480 / 704 x 576 (NTSC / PAL)	704 x 480 / 704 x 576 (NTSC / PAL)
Max. Frame Rate per Channel	30/25fps (NTSC / PAL)	30/25fps (NTSC / PAL)	30/25fps (NTSC / PAL)	30/25fps (NTSC / PAL)
Bi-Directional Audio	Yes	-	Yes	-
RS-485	4	1	1	4
Alarm I/O	4 / 4	-	1 / 1	4 / 4
SD Card	SD/SDHC	-	SD/SDHC	-
ONVIF	Yes	Yes	Yes	Yes
Power	DC 12V	DC 12V / PoE	DC 12V / PoE	DC 5V



SPD-400

Video Out	HDMI, VGA, CVBS
Resolution	H.264 : up to 2M / Quad view-up to 720p
Display	Single view, Quad view
Support Device	Samsung, Axis
Webviewer	Supported OS : Window XP Supported Browser : IE 7.0 or 8.0, Firefox 2.x, 3.x, Chrome, Safari
Power	DC 12V

Encoder Rack



SPE-1600R

# of Slots	4 slots for SPE-400B
Max. # of Channels	16
Network	RJ-45 (10/100/1000BASE-T)
Rack Size	1U
Power	AC 100V ~ 240V

SSM

SSM is a video management software that provides features for surveillance operation such as live monitoring, video recording and playback and event management. It consists of server software and client software. Server software separated by function module such as recording purpose server, video wall display purpose server and so on.

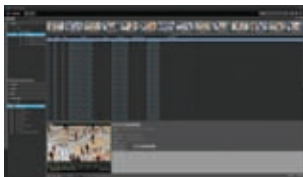
SSM Clients



Live Monitoring



Playback



Event Management

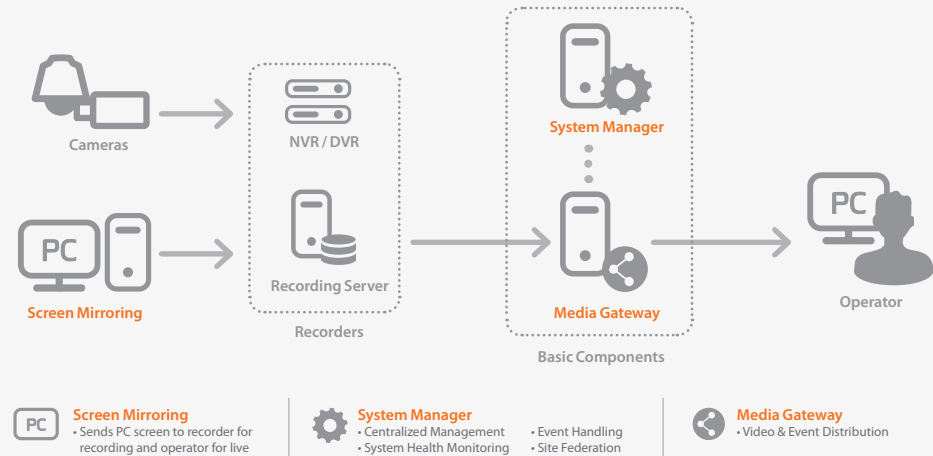


Video Wall Control

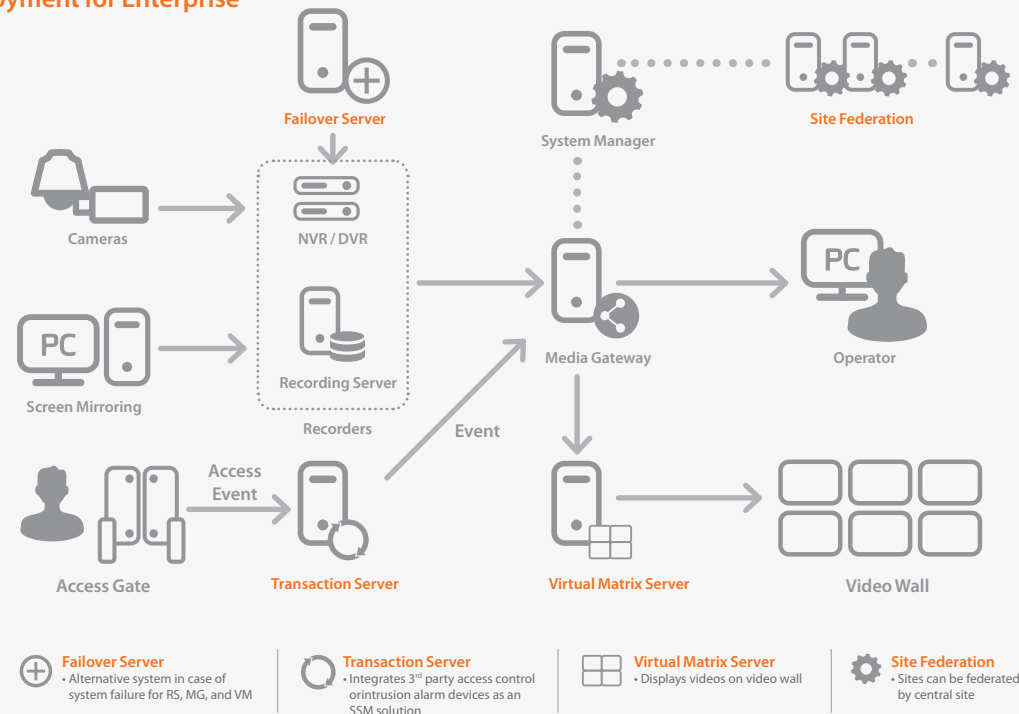
SSM Server Components and Main Features

SSM V1.6	PROFESSIONAL	ENTERPRISE	
Maximum Number of Cameras	288	Unlimited	
Maximum Number of Clients	5	Unlimited	
Architecture	Single-server	Multi-server	
SUMMARY			
Basic Components	System Manager	Yes	Yes
	Media Gateway	Yes	Yes
Add-on Components	Recording Server	Yes	Yes
	Virtual Matrix	-	Yes
	Screen Mirroring	Yes	Yes
	Transaction Server	-	Yes
	Transcoder	-	Yes
	Failover Server	-	Yes
	Live Monitoring	Yes	Yes
Features	Search and Playback	Yes	Yes
	Event Monitoring	Yes	Yes
	Map Monitoring	Yes	Yes
	Wall Management	-	Yes
	POS Monitoring	Yes	Yes
	Google Map Monitoring	-	Yes
	Video Analytics Monitoring	-	Yes
	Advanced Health Monitoring	-	Yes
	Access Control Monitoring	-	Yes
	Video Summary Search	-	Yes
	Active Directory Integration	-	Yes
	Site Federation	-	Yes

Deployment for Professional



Deployment for Enterprise





New



WISENET HD+
HCP-6320H/6320

WISENET HD+
SCB-6003

WISENET HD+
SCO-6083R

WISENET HD+
SCO-6023R

WISENET HD+
SCD-6083R

WISENET HD+
SCD-6023R

WISENET HD+
SCV-6083R

WISENET HD+
SCV-6023R

TV Lines / Resolutions		2MP	2MP	2MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/2.8" 2.38M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS
	Horizontal Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Min. Illumination	Color: 0.2Lux B/W: 0.01Lux	Color: 0.04Lux B/W: 0.004Lux	Color: 0.11Lux B/W: 0Lux (IR LED on)	Color: 0.25Lux B/W: 0Lux (IR LED on)	Color: 0.11Lux B/W: 0Lux (IR LED on)	Color: 0.25Lux B/W: 0Lux (IR LED on)	Color: 0.11Lux B/W: 0Lux (IR LED on)
	Lens	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	-	2.8 ~ 12mm (4.3x) V/F (F1.4)	4mm fixed (F 2.1)	2.8 ~ 12mm (4.3x) V/F (F1.4)	4mm fixed (F 2.1)	2.8 ~ 12mm (4.3x) V/F (F1.4)
	IR Viewable Length	-	-	30m (98.43ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)
	Angular Field of View	H: 62.8°(Wide) ~ 2.23°(Tele) / V: 36.8°(Wide) ~ 1.26°(Tele)	-	H: 103.8°(Wide) ~ 32.4°(Tele) V: 53.7°(Wide) ~ 18.4°(Tele) D: 121.9°(Wide) ~ 37.1°(Tele)	H: 72.2° / V: 52.9° / D: 94.3°	H: 103.8°(Wide) ~ 32.4°(Tele) V: 53.7°(Wide) ~ 18.4°(Tele) D: 121.9°(Wide) ~ 37.1°(Tele)	H: 72.2° / V: 52.9° / D: 94.3°	H: 103.8°(Wide) ~ 32.4°(Tele) V: 53.7°(Wide) ~ 18.4°(Tele) D: 121.9°(Wide) ~ 37.1°(Tele)
	Pan / Tilt / Rotate	360° Endless / 210° (-15° ~ 195°) / -	-	-	-	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	BLC / DWDR	BLC / DWDR	BLC / DWDR	BLC / DWDR	BLC / DWDR	BLC / DWDR
	Digital Noise Reduction	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV
	Motion Detection	Support	Support	Support	Support	Support	Support	Support
	Privacy Masking	32 zones	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
	Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear,	-	-	-	-	-	-
FEATURES	Alarm I/O	4 / 2 (Relay)	0 / 1	0 / 1	-	0 / 1	-	-
	Communication	RS-485 : Samsung T/E, Pelco-P/D, Sungjin, Panasonic, Honeywell, AD, Vicon, Bosch, GE	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol), RS-485	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
	Environment Protection	IP66, IK10 (HCP-6320H), IK10 (With SHP-3701H) (HCP-6320)	-	IP66, IK10	IP66	-	-	IP66, IK10
	Operating Temperature	-50°C ~ +55°C (-58°F ~ +131°F) (HCP-6320H), -10°C ~ +55°C (+14°F ~ +131°F) (HCP-6320)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)
	Power	AC 24V (Max. 24.0W/65.0W - Heater off/on) (HCP-6320H), (Max. 20.0W) (HCP-6320)	AC 24V & DC 12V (Max. 3.5W)	AC 24V & DC 12V (Max. 6.0W)	DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 4.2W)	DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 4.2W)
	Dimensions (WxHxD) / Weight	Ø220.0 x 293.6mm (Ø8.66" x 11.56") 3.3Kg (7.28 lb) (SNP-5321H), Ø152.0 x 218.0mm (Ø5.98" x 8.58") 2.2Kg (4.85 lb) (SNP-5321)	68.4 x 59.6 x 92.7mm (2.69" x 2.35" x 3.65") 175.5g (0.39 lb)	Ø78.0 x 260.0mm (3.07" x 10.24") (Without sun shield) 922g (2.03 lb)	Ø58.6 x 165.2mm (Ø2.31" x 6.5") (Without sunshield) 208g (0.46 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 304g (0.67 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 242g (0.53 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 716g (1.58 lb)
	Additional Features	Defog	Defog	Defog	Defog	Defog	Defog	Defog


WISENET HD+
SRD-1694
WISENET HD+
SRD-1685
WISENET HD+
SRD-1684
WISENET HD+
SRD-894
WISENET HD+
SRD-893
WISENET HD+
SRD-494
WISENET HD+
SRD-493

	Channel	16CH	16CH	16CH	8CH	8CH	4CH	4CH
OS	Embedded	Linux	Linux	Linux	Linux	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	480fps / 400fps	480fps / 400fps	480fps / 400fps	240fps / 200fps	240fps / 200fps	120fps / 100fps	120fps / 100fps
Recording	Max. Record Rate / NTSC	480fps@1920 x 1080	480fps@1280 x 720 / 192fps@1080p	240fps@1920 x 1080	240fps@1920 x 1080	240fps@1920 x 1080	120fps@1920 x 1080	120fps@1920 x 1080
	Max. Record Rate / PAL	400fps@1920 x 1080	400fps@1280 x 720 / 192fps@1080p	200fps@1920 x 1080	200fps@1920 x 1080	200fps@1920 x 1080	100fps@1920 x 1080	100fps@1920 x 1080
	Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Video	Inputs	16CH, AHD, NTSC, PAL	16CH, AHD, NTSC, PAL	16CH, AHD, NTSC, PAL	8CH, AHD, NTSC, PAL	8CH, AHD, NTSC, PAL	4CH, AHD, NTSC, PAL	4CH, AHD, NTSC, PAL
Audio	Inputs	16CH (Built-in 4CH)	16CH (Built-in 4CH)	1CH	8CH (Built-in 4CH)	1CH	4CH	1CH
Storage	Internal HDD	Up to 8 SATA HDDs	Up to 4 SATA HDDs	1 SATA HDD	Up to 4 SATA HDDs	1 SATA HDD	Up to 2 SATA HDDs	1 SATA HDD
	External HDD	Up to 2 expansion bays	Up to 2 expansion bays	-	Up to 2 expansion bays	-	-	-
Monitors	VGA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Spot Composite	1CH (Digital)	1CH (Digital)	-	2CH (Digital)	-	2CH (Digital)	-
Connections	USB	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports
	e-SATA	2 External SATA ports	2 External SATA ports	-	2 External SATA ports	-	-	-
	DVD Writer (Backup)	-	-	-	-	-	-	-
	Mouse	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Network	Remote Users	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20
	Transmission	1080p, 720p, 4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	4CIF, 2CIF, CIF
	Monitoring	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, Mobile viewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, Mobile viewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, Mobile viewer, SSM
PTZ Control	Coax Protocol	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : PTZ control via coaxial cable (Pelco-C (Coaxitron)) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : PTZ control via coaxial cable (Pelco-C (Coaxitron)) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : PTZ control via coaxial cable (Pelco-C (Coaxitron)) AHD : ACP (AHD Coax Protocol)
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, VICON, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, VICON, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, VICON, GE

• Option : Audio extension cable



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New



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SCD-5082



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	TV Lines	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL
VIDEO	Imaging Device	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 2M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS
	Horizontal Resolution	Color: 1000TV lines	Color: 1000TV lines	Color: 1000TV lines	Color: 1000TV lines	Color: 1000TV lines	Color: 1000TV lines	Color: 1000TV lines	Color: 1000TV lines
	Min. Illumination	Color: 0.01Lux B/W: 0.001Lux	Color: 0.01Lux B/W: 0.001Lux	Color: 0.01Lux	Color: 0.02Lux B/W: 0Lux (IR LED on)	Color: 0.02Lux B/W: 0Lux (IR LED on)	Color: 0.01Lux B/W: 0.001Lux	Color: 0.02Lux B/W: 0.002Lux	Color: 0.02Lux
	Lens	-	-	-	3 ~ 10mm (3.3x) V/F (F1.4)	3 ~ 10mm (3.3x) V/F (F1.4)	2.8 ~ 10.5mm (3.8x) V/F (F1.2)	3 ~ 10mm (3.3x) V/F (F1.4)	3 ~ 10mm (3.3x) V/F (F1.4)
	IR Viewable Length	-	-	-	50m (164.04ft)	50m (164.04ft)	-	-	-
	Angular Field of View	-	-	-	H: 82.0°(Wide) ~ 26.5°(Tele) V: 59.7°(Wide) ~ 19.9°(Tele)	H: 83.1°(Wide) ~ 26.9°(Tele) V: 60.5°(Wide) ~ 20.2°(Tele)	H: 91.5°(Wide) ~ 27.7°(Tele) V: 68.3°(Wide) ~ 20.8°(Tele)	H: 82.0°(Wide) ~ 26.5°(Tele) V: 59.7°(Wide) ~ 19.9°(Tele)	H: 82.0°(Wide) ~ 26.5°(Tele) V: 59.7°(Wide) ~ 19.9°(Tele)
	Pan / Tilt / Rotate	-	-	-	-	-	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°
OPERATIONAL	Day & Night	True (ICR)	True (ICR)	Electrical	True (ICR)	True (ICR)	True (ICR)	True (ICR)	Electrical
	Backlight Compensation	WDR (120dB)	WDR (120dB)	BLC / HLC	WDR (120dB)	BLC / HLC	WDR (120dB)	BLC / HLC	BLC / HLC
	Digital Noise Reduction	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV
	Motion Detection	Support	Support	Support	Support	Support	Support	Support	Support
	Privacy Masking	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)
	Intelligent Video Analytics	Fence, (Dis)Appear, Counting	Fence, (Dis)Appear, Counting	-	Fence, (Dis)Appear, Counting	Fence, (Dis)Appear, Counting	Fence, (Dis)Appear, Counting	-	-
FEATURES	Alarm I/O	0 / 1	0 / 1	-	0 / 1	0 / 1	0 / 1	-	-
	Communication	Coax: Pelco-C (Coaxitron), RS-485	Coax: Pelco-C (Coaxitron), RS-485	Coax: Pelco-C (Coaxitron)	Coax: Pelco-C (Coaxitron), RS-485	Coax: Pelco-C (Coaxitron), RS-485	Coax: Pelco-C (Coaxitron)	Coax: Pelco-C (Coaxitron)	Coax: Pelco-C (Coaxitron)
	Environment Protection	-	-	-	IP66, IK10	IP66, IK10	-	-	-
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
	Power	AC 24V & DC 12V (Max. 6.0W)	N/P: AC 24V & DC 12V (Max. 6.0W), PH: AC 230V (Max. 6.0W)	N/P: AC 24V & DC 12V (Max. 3.7W), ND/PD: DC 12V (Max. 2.7W) PH: AC 230V (Max. 4.6W)	AC 24V & DC 12V (Max. 9.5W)	AC 24V & DC 12V (Max. 9.5W)	AC 24V & DC 12V (Max. 5.6W)	AC 24V & DC 12V (Max. 5.6W)	AC 24V & DC 12V (Max. 3.5W)
	Dimensions (WxHxD) / Weight	73.1 x 67.2 x 123.9mm (2.88" x 2.65" x 4.88") 300g (0.66 lb)	N/P: 68.4 x 59.6 x 92.7mm (2.69" x 2.35" x 3.65") 210g (0.46 lb) PH: 68.3 x 59.6 x 116.6mm (2.69" x 2.35" x 4.59") 411g (0.91 lb)	68.4 x 59.6 x 92.7mm (2.69" x 2.35" x 3.65") N/P/PD: 200g (0.44 lb) ND: 175g (0.39 lb)	Ø78.0 x 272.8mm (3.07" x 10.74") (Without sun shield) 1.5Kg (3.3 lb)	Ø78.0 x 272.8mm (3.07" x 10.74") (Without sun shield) 1.5Kg (3.3 lb)	Ø119.8 x 101.8mm (Ø4.72" x 4.01") 535g (1.18 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 420g (0.93 lb)	Ø119.8 x 101.8mm (Ø4.72" x 4.01") 520g (1.15 lb)
	Additional Features	Simple focus, P-iris, Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering



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New



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SCV-5082



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	TV Lines	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL
VIDEO	Imaging Device	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 2M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS
	Horizontal Resolution	Color : 1000TV lines	Color : 1000TV lines	Color : 1000TV lines	Color : 1000TV lines	Color : 1000TV lines	Color : 1000TV lines	Color : 1000TV lines	Color : 1000TV lines
	Min. Illumination	Color : 0.05Lux	Color : 0.05Lux	Color : 0.02Lux B/W : 0Lux (IR LED on)	Color : 0.02Lux B/W : 0Lux (IR LED on)	Color : 0.01Lux B/W : 0.001Lux	Color : 0.01Lux B/W : 0.001Lux	Color : 0.02Lux B/W : 0.002Lux	Color : 0.02Lux B/W : 0Lux (IR LED on)
	Lens	6mm fixed (F1.8)	3.6mm fixed (F1.8)	3 ~ 10mm (3.3x) V/F (F1.4)	3 ~ 10mm (3.3x) V/F (F1.4)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	2.8 ~ 10.5mm (3.8x) V/F (F1.2)	3 ~ 10mm (3.3x) V/F (F1.4)	3 ~ 10mm (3.3x) V/F (F1.4)
	IR Viewable Length	-	-	30m (98.43ft)	30m (98.43ft)	-	-	-	30m (98.43ft)
	Angular Field of View	H: 46.5° / V: 34.5° / D: 59.3°	H: 78° / V: 62.5° / D: 100°	H: 82.0°(Wide) ~ 26.5°(Tele) / V: 59.7°(Wide) ~ 19.9°(Tele)	H: 83.1°(Wide) ~ 26.9°(Tele) / V: 60.5°(Wide) ~ 20.2°(Tele)	H: 105.5°(Wide) ~ 37.1°(Tele) / V: 57.5°(Wide) ~ 21°(Tele)	H: 91.5°(Wide) ~ 27.7°(Tele) / V: 68.3°(Wide) ~ 20.8°(Tele)	H: 82.0°(Wide) ~ 26.5°(Tele) / V: 59.7°(Wide) ~ 19.9°(Tele)	H: 82.0°(Wide) ~ 26.5°(Tele) / V: 59.7°(Wide) ~ 19.9°(Tele)
	Pan / Tilt / Rotate	0° ~ 352° / 0° ~ 75° / 0° ~ 348°	0° ~ 352° / 0° ~ 75° / 0° ~ 348°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	0° ~ 354° / 0° ~ 68° / 0° ~ 355°
OPERATIONAL	Day & Night	Electrical	Electrical	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	BLC / HLC	BLC / HLC	WDR (120dB)	BLC / HLC	WDR (120dB)	WDR (120dB)	BLC / HLC	WDR (120dB)
	Digital Noise Reduction	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV
	Motion Detection	Support	Support	Support	Support	Support	Support	Support	Support
	Privacy Masking	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)	24 zones (4 points polygonal masking)
	Intelligent Video Analytics	-	-	Fence, (Dis)Appear, Counting	Fence, (Dis)Appear, Counting	Fence, (Dis)Appear, Counting	Fence, (Dis)Appear, Counting	-	Fence, (Dis)Appear, Counting
FEATURES	Alarm I/O	-	-	0 / 1	0 / 1	0 / 1	0 / 1	-	0 / 1
	Communication	Coax : Pelco-C (Coaxitron)	Coax : Pelco-C (Coaxitron)	Coax : Pelco-C (Coaxitron)	Coax : Pelco-C (Coaxitron)	Coax : Pelco-C (Coaxitron)	Coax : Pelco-C (Coaxitron)	Coax : Pelco-C (Coaxitron)	Coax : Pelco-C (Coaxitron)
	Environment Protection	-	-	-	-	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)
	Power	DC 12V (Max. 2.8W)	DC 12V (Max. 2.8W)	AC 24V & DC 12V (Max. 6.0W)	AC 24V & DC 12V (Max. 6.0W)	AC 24V & DC 12V (Max. 5.0W)	AC 24V & DC 12V (Max. 5.6W)	AC 24V & DC 12V (Max. 5.6W)	AC 24V & DC 12V (Max. 6.0W)
	Dimensions (WxHxD) / Weight	Ø107.6 x 84.0mm (Ø4.24" x 3.31") 371g (0.82 lb)	Ø107.6 x 84.0mm (Ø4.24" x 3.31") 394g (0.87 lb)	Ø119.8 x 101.8mm (Ø4.72" x 4.01") 550g (1.21 lb)	Ø119.8 x 101.8mm (Ø4.72" x 4.01") 550g (1.21 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 772g (1.7 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 720g (1.59 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 730g (1.61 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 750g (1.65 lb)
	Additional Features	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering	Digital image stabilization, Defog, Tampering



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A1
SCZ-3430



SVV
SCZ-2373



SVV
SCZ-2273



SVV
SCP-2273H



SVV
SCP-2273



A1
SCP-3120VH



WV
SCP-2370RH

	TV Lines	1000TVL	600TVL	600TVL	600TVL	680TVL	680TVL	600TVL	600TVL
VIDEO	Imaging Device	1/3" 2M CMOS	1/4" Ex-view HAD CCD (Double scan)	1/4" Sony 960H Ex-view HAD CCD II	1/4" Sony 960H Ex-view HAD CCD II	1/4" Sony 960H Ex-view HAD CCD II	1/4" Sony 960H Ex-view HAD CCD II	1/4" Ex-view HAD CCD (Double scan)	1/4" Super HAD CCD II
	Horizontal Resolution	Color: 1000TV lines	Color: 600TV lines	Color: 680TV lines	Color: 680TV lines	Color: 680TV lines	Color: 680TV lines	Color: 600TV lines	Color: 600TV lines
	Min. Illumination	Color: 0.02Lux B/W: 0Lux (IR LED on)	Color: 0.7Lux B/W: 0.07Lux	Color: 0.2Lux B/W: 0.01Lux	Color: 0.2Lux B/W: 0.01Lux	* Color: 0.2Lux B/W: 0.01Lux	* Color: 0.2Lux B/W: 0.01Lux	* Color: 0.7Lux B/W: 0.07Lux	* Color: 0.2Lux B/W: 0Lux (IR LED on)
	Lens	3 ~ 10mm (3.3x) V/F (F1.4)	3.2 ~ 138.5mm (Optical 43x) F1.65(Wide) / F3.7(Tele)	3.5 ~ 129.5mm (Optical 37x) F1.6(Wide) / F3.9(Tele)	3.5 ~ 94.5mm (Optical 27x) F1.6(Wide) / F2.8(Tele)	3.5 ~ 94.5mm (Optical 27x) F1.6(Wide) / F2.9(Tele)	3.5 ~ 94.5mm (Optical 27x) F1.6(Wide) / F2.9(Tele)	3.6 ~ 44.3mm (Optical 12x) F1.65(Wide) / F2.01(Tele)	3.5 ~ 129.5mm (Optical 37x) F1.6(Wide) / F3.9(Tele)
	IR Viewable Length	30m (98.43ft)	-	-	-	-	-	-	100m (328.08ft)
	Angular Field of View	H: 83.1°(Wide) ~ 26.9°(Tele) V: 60.5°(Wide) ~ 20.2°(Tele)	H: 61.22°(Wide) ~ 1.47°(Tele) / V: 47.16°(Wide) ~ 1.1°(Tele)	H: 56.26°(Wide) ~ 1.62°(Tele) / V: 43.28°(Wide) ~ 1.22°(Tele)	H: 56.26°(Wide) ~ 2.24°(Tele) / V: 43.28°(Wide) ~ 1.67°(Tele)	H: 56.26°(Wide) ~ 2.24°(Tele) / V: 43.28°(Wide) ~ 1.67°(Tele)	H: 56.26°(Wide) ~ 2.24°(Tele) / V: 43.28°(Wide) ~ 1.67°(Tele)	H: 54.44°(Wide) ~ 4.64°(Tele) / V: 41.42°(Wide) ~ 3.52°(Tele)	H: 55.5°(Wide) ~ 1.59°(Tele) / V: 42.5°(Wide) ~ 1.19°(Tele)
	Pan / Tilt / Rotate	0° ~ 354° / 0° ~ 68° / 0° ~ 355°	-	-	-	360° Endless / -5° ~ 185° / -	360° Endless / -5° ~ 185° / -	360° Endless / -5° ~ 185° / -	360° Endless / -5° ~ 185° / -
OPERATIONAL	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	BLC / HLC	WDR (52dB / 54dB)	BLC / HLC	BLC / HLC	BLC / HLC	BLC / HLC	WDR (52dB / 54dB)	BLC / HLC
	Digital Noise Reduction	SSNRIV	Adaptive 3D+2D	SSNRIII	SSNRIII	SSNRIII	SSNRIII	Adaptive 3D+2D	SSNRIII
	Motion Detection	Support	Support	Support	Support	Support	Support	Support	Support
	Privacy Masking	24 zones (4 points polygonal masking)	12 zones (Polygonal masking)	12 zones	12 zones	8 zones	8 zones	12 zones (Polygonal masking)	8 zones
	Intelligent Video Analytics	Fence, (Dis)Appear, Counting	Fixed / Moved	-	-	-	-	Fixed / Moved	-
FEATURES	Alarm I/O	0 / 1	0 / 1	-	-	8 / 3	8 / 3	2 / 2	8 / 3
	Communication	Coax: Pelco-C (Coaxitron)	Coax: CCVC, RS-485	Coax: Pelco-C (Coaxitron), RS-485	Coax: Pelco-C (Coaxitron), RS-485	Coax: Pelco-C (Coaxitron), RS-485/422	Coax: Pelco-C (Coaxitron), RS-485/422	Coax: CCVC, RS-485	Coax: Pelco-C (Coaxitron), RS-485/422
	Environment Protection	IP66, IK10	-	-	-	IP66, IK10	IK10 (With SHP-3701H)	IP66, IK10	IP66, IK10
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)
	Power	AC 24V & DC 12V (Max. 6.0W)	N/P: AC 24V & DC 12V (Max. 5.6W), ND/PD: DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 5.8W)	AC 24V & DC 12V (Max. 5.8W)	AC 24V (Max. 15.0W, 58.0W - Fan & heater on)	AC 24V (Max. 15.0W)	AC 24V (Max. 12.0W, 45.0W - Fan & heater on)	AC 24V (Max. 15.0W, 90.0W - Fan & heater on)
	Dimensions (WxHxD) / Weight	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 750g (1.65 lb)	N/P: 59.0 x 59.0 x 144.2mm (2.32" x 2.32" x 5.68") 564g (1.24 lb) ND/PD: 59.0 x 59.0 x 113.9mm (2.32" x 2.32" x 4.48") 421g (0.93 lb)	67.6 x 67.6 x 144.3mm (2.66" x 2.66" x 5.68") 540g (1.19 lb)	67.6 x 67.6 x 144.3mm (2.66" x 2.66" x 5.68") 540g (1.19 lb)	Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.1Kg (6.83 lb)	Ø152.0 x 218.0mm (Ø5.98" x 8.58") 1.6Kg (3.53 lb)	Ø200.0 x 203.0mm (Ø7.87" x 7.99") 2.4Kg (5.29 lb)	Ø248.0 x 399.5mm (Ø9.76" x 15.73") 6Kg (13.23 lb)
	Additional Features	Digital image stabilization, Defog, Tampering	Digital image stabilization	Digital image stabilization	Digital image stabilization	Digital image stabilization	Digital image stabilization	Digital image stabilization	Digital image stabilization

* Min. Illumination (50 IRE)



**HD-SDI
SCB-6001**



**HD-SDI
SCO-6081R**



**HD-SDI
SCD-6021**



**HD-SDI
SCD-6081R**



**HD-SDI
SCV-6081R**

TV Lines / Resolutions		2MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/3" PS CMOS	1/3" PS CMOS	1/3" PS CMOS	1/3" PS CMOS	1/3" PS CMOS
	Horizontal Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Min. Illumination	* Color : 1Lux B/W : 0.1Lux	* Color : 1Lux B/W : 0Lux (IR LED on)	* Color : 0.5Lux	* Color : 1Lux B/W : 0Lux (IR LED on)	* Color : 1Lux B/W : 0Lux (IR LED on)
	Lens	-	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3.8mm fixed (F2.0)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)	3 ~ 8.5mm (2.8x) Motorized V/F (F1.2)
	IR Viewable Length	-	20ea / 30m (98.43ft)	-	12ea / 15m (49.21ft)	12ea / 15m (49.21ft)
	Angular Field of View	-	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21°(Tele)	H : 84.5° / V : 45.8° / D : 98.8°	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21°(Tele)	H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21°(Tele)
	Pan / Tilt / Rotate	-	-	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	Day & Night	True (ICR)	True (ICR)	Electrical	True (ICR)	True (ICR)
	Backlight Compensation	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)
	Digital Noise Reduction	SSNRIII	SSNRIII	SSNRIII	SSNRIII	SSNRIII
	Motion Detection	Support	Support	Support	Support	Support
	Privacy Masking	16 zones (4 points polygonal masking)	16 zones (4 points polygonal masking)	16 zones	16 zones (4 points polygonal masking)	16 zones (4 points polygonal masking)
	Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear	Tampering, Virtual line, Enter / Exit, (Dis)Appear	Tampering, Virtual line, Enter / Exit, (Dis)Appear	Tampering, Virtual line, Enter / Exit, (Dis)Appear	Tampering, Virtual line, Enter / Exit, (Dis)Appear
FEATURES	Alarm I/O	1 / 1	1 / 1	0 / 1	1 / 1	1 / 1
	Communication	RS-485	RS-485	RS-485	RS-485	RS-485
	Environment Protection	-	IP66	-	-	IP66
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)
	Power	AC 24V & DC 12V (Max. 6.0W)	AC 24V & DC 12V (Max. 6.0W)	DC 12V (Max. 6.0W)	AC 24V & DC 12V (Max. 6.0W)	AC 24V & DC 12V (Max. 6.0W)
	Dimensions (WxHxD) / Weight	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 321g (0.71 lb)	90.4 x 96.0 x 333.2mm (3.56" x 3.78" x 13.12") 1.3Kg (2.87 lb)	Ø119.8 x 99.0mm (Ø4.72" x 3.9") 435g (0.96 lb)	Ø132.1 x 107.6mm (Ø5.2" x 4.24") 321g (0.71 lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 952g (2.1 lb)
	Additional Features	Simple focus, Digital image stabilization	Simple focus, Digital image stabilization	Digital image stabilization	Simple focus, Digital image stabilization	Simple focus, Digital image stabilization

* Min. Illumination (50 IRE)

ANALOG

DVR



HD-SDI
SRD-1680D

BEYOND
SRD-1676D

BEYOND
SRD-1656D

SRD-1654D

SRD-1642

HD-SDI
SRD-880D

BEYOND
SRD-876D

	Channel	16CH	16CH	16CH	16CH	16CH	8CH	8CH
OS	Embedded	Linux	Linux	Linux	Linux	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	480fps / 400fps	480fps / 400fps	480fps / 400fps	480fps / 400fps	480fps / 400fps	240fps / 200fps	240fps / 200fps
Recording	Max. Record Rate / NTSC	480fps@960H / 240fps@1080p	480fps@1280 x 480	120fps@1280 x 480	120fps@4CIF/960H	480fps@960 x 480	240fps@1080p	240fps@1280 x 480
	Max. Record Rate / PAL	400fps@960H / 200fps@1080p	400fps@1280 x 576	100fps@1280 x 576	100fps@4CIF/960H	400fps@960 x 576	200fps@1080p	200fps@1280 x 576
	Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Video	Inputs	16CH	16CH	16CH	16CH	16CH	8CH	8CH
	Loop Outputs	-	Yes	Yes	-	-	-	Yes
Audio	Inputs	16CH (Built-in 4CH)	16CH (Built-in 4CH)	16CH (Built-in 4CH)	4CH	4CH	8CH (Built-in 4CH)	8CH (Built-in 4CH)
Storage	Internal HDD	Up to 4 SATA HDDs	Up to 4 SATA HDDs	Up to 4 SATA HDDs	Up to 4 SATA HDDs	Up to 2 SATA HDDs	Up to 4 SATA HDDs	Up to 4 SATA HDDs
	External HDD	Up to 2 expansion bays	Up to 2 expansion bays	Up to 2 expansion bays	-	-	Up to 2 expansion bays	Up to 2 expansion bays
Monitors	VGA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	HDMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Main Composite	-	-	-	-	-	-	-
	Spot Composite	2CH (Digital)	2CH (Digital)	2CH (Digital)	2CH (Digital)	1CH (Digital)	2CH (Digital)	2CH (Digital)
Connections	USB	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports
	e-SATA	2 External SATA ports	2 External SATA ports	2 External SATA ports	-	-	2 External SATA ports	2 External SATA ports
	DVD Writer (Backup)	Yes	Yes	Yes	Yes	-	Yes	Yes
	Mouse	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Network	Remote Users	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20
	Transmission	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF
	Monitoring	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM
Removable BNC Panel		Yes	-	-	Yes	-	Yes	-
PTZ Control	Coax Protocol	Samsung CCVC, Pelco-C	Samsung CCVC, Pelco-C	Samsung CCVC, Pelco-C	- *	Samsung CCVC, Pelco-C	- *	Samsung CCVC, Pelco-C
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE

• Option : Audio extension cable * Coaxial communication not supported

ANALOG

DVR



		SRD-854D	SRD-842	HD-SDI SRD-482	BEYOND SRD-476D	SRD-445	SRD-443	SVS-5R
Channel		8CH	8CH	4CH	4CH	4CH	4CH	
OS	Embedded	Linux	Linux	Linux	Linux	Linux	Linux	
Live	Frame Rate (NTSC / PAL)	240fps / 200fps	240fps / 200fps	120fps / 100fps	120fps / 100fps	120fps / 100fps	120fps / 100fps	
Recording	Max. Record Rate / NTSC	60fps@4CIF/960H	240fps@960 x 480	120fps@1920 x 1080	120fps@1280 x 480 * P/B : 60fps@1280 x 480, 120fps@960 x 480	120fps@960 x 480	30fps@4CIF	Features RAID 5 Unit • 1U 19-inch rack case • Data transmission speed : up to 3.0Gbps (SATA II) • Available SATA HDD : up to 4 (4TB)
	Max. Record Rate / PAL	50fps@4CIF/960H	200fps@960 x 576	100fps@1920 x 1080	100fps@1280 x 576 * P/B : 50fps@1280 x 576, 120fps@960 x 576	100fps@960 x 576	25fps@4CIF	
	Compression	H.264	H.264	H.264	H.264	H.264	H.264	
Video	Inputs	8CH	8CH	4CH	4CH	4CH	4CH	
	Loop Outputs	-	-	-	Yes	-	-	
Audio	Inputs	4CH (Built-in 4CH)	4CH	4CH	4CH	4CH	4CH	
Storage	Internal HDD	Up to 4 SATA HDDs	Up to 2 SATA HDDs	Up to 2 SATA HDDs	Up to 1 SATA HDD	Up to 1 SATA HDD	Up to 1 SATA HDD	SVS-5E Features HDD Extension Unit • 1U 19-inch rack case • Data transmission speed : up to 3.0Gbps (SATA II) • Available SATA HDD : up to 4 (4TB)
	External HDD	-	-	Up to 2 expansion bays	-	-	-	
Monitors	VGA	Yes	Yes	Yes	Yes	Yes	Yes	
	HDMI	Yes	Yes	Yes	Yes	Yes	-	
	Main Composite	-	-	-	-	-	1CH (BNC)	
	Spot Composite	2CH (Digital)	1CH (Digital)	2CH (Digital 1CH / Analog 1CH)	2CH (Digital 1CH / Analog 1CH)	1CH (Digital)	1CH (Analog)	
Connections	USB	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports	
	e-SATA	-	-	2 External SATA ports	-	1 port	-	
	DVD Writer (Backup)	Yes	-	-	Yes	-	-	
	Mouse	Yes	Yes	Yes	Yes	Yes	Yes	
Network	Remote Users	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 2 / Live unicast 4 / Live multicast 20	
	Transmission	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	
	Monitoring	SmartViewer, Webviewer, SSM	NET-i viewer, SmartViewer, Webviewer	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	NET-i viewer, SmartViewer, Webviewer	
Removable BNC Panel		Yes	-	-	-	-	-	
PTZ Control	Coax Protocol	- *	Samsung CCVC, Pelco-C	-	Samsung CCVC, Pelco-C	Samsung CCTV, Pelco-C	-	
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO	

• Option : Audio extension cable * Coaxial communication not supported

MONITOR / CONTROLLER

LED Monitor



SMT-4933



SMT-4032A



SMT-3232A



SMT-2731



SMT-2233



SMT-1935



SMT-1931



SMT-1914

Screen Size	49" (UHD)	40"	32"	27"	22"	19"	19"	19"
Resolution (pixels HxV)	3,840 x 2,160	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080	1,280 x 1,024	1,366 x 768	1,280 x 1,024
Video In/Out	-	1	1	2 / 2	2 / 2	2 / 2	2 / 2	-
VGA	1	1	1	1	1	1	1	1
DVI / HDMI	2 / 4	1 / 1	1 / 1	0 / 1	0 / 1	0 / 1	0 / 1	-
USB	Yes (S/W update only)	Yes	Yes	-	-	-	-	-
Audio In (Stereo)	1	2	2	2	2	2	2	-
Contrast Ratio	4,700 : 1	5,000 : 1	5,000 : 1	1,000 : 1	1,000 : 1	1,000 : 1	1,000 : 1	1,000 : 1
Aspect Ratio	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	4 : 3	16 : 9	4 : 3
Response Time	8ms	8ms	8ms	5ms	5ms	5ms	5ms	5ms
Brightness	500cd/m ²	350cd/m ²	350cd/m ²	300cd/m ²	250cd/m ²	250cd/m ²	250cd/m ²	250cd/m ²
Tempered Glass Screen	-	-	-	Yes	Yes	Yes	Yes	Yes
Picture In Picture	-	Yes	Yes	-	-	-	-	Yes
Built-in Speakers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Stand	General (Optional)	General (Optional)	General (Optional)	Standard	Standard	Standard	Standard	Standard
Power	AC 100V ~ 240V	AC 100V ~ 240V	AC 100V ~ 240V	AC 100V ~ 240V	AC 100V ~ 240V	AC 100V ~ 240V	AC 100V ~ 240V	AC 100V ~ 240V
Additional Features	Temperature sensor, 24/7 (50,000 hour), Full HD 4 picture by picture support	Wi-Fi module embedded	Wi-Fi module embedded	-	-	-	-	-

Controller / PoE Extender



SPC-7000



SPC-2000



SPC-2010



SPC-1010



SPC-300



SPC-200



SPO-100

Features	Network/Analog Cameras / NVR / DVR / SSM Controller • 5" TFT touch LCD • Network cameras / SSM control • User-friendly design and easy-to-use keypad • 3 Axis joystick to control PTZ function • Detachable joystick / jogshuttle for universe use (Right / Left hand use) • USB interface support (1ea for SSM, 1ea for image snapshot / Upgrade) • Fast camera-tile mapping, Config import / export * The control for analog Camera / DVR will be ready on Nov.2016	Network Controller • Superior system compatibility • 3D joystick control • Quick and easy installation • SSM support	PTZ / DVR System Controller • Control up to 255 PTZ cameras / DVRs • Built-in 3 axis twist zoom joystick • Built-in jog shuttle • 16 x 2 character LCD display • RS-485 and RS-422 interface	PTZ Control Keyboard • Control up to 255 PTZ cameras • Multi protocols supports • OSD menu, 3D joystick control • RS-485 and RS-422 interface	Coaxial Remote Controller • Control via coaxial cable or RS-485 • Camera connected : 1 unit • Cable extension : max. 500m (with 5C-2V cable) • RS-485 and RS-232C interface	Camera Zoom & OSD Controller • Camera zoom in/out, OSD control • RS-485 communication • Zoom camera RJ-45 connector control	PoE Extender • Simultaneous transmission of power and IP data with the cat 5 cable • Supporting TCP speed of 100Mbps full duplex • The maximum transmission distance for ethernet data can be extended more than 100m depending on the camera and power source • A camera with up to 11.7W power consumption can be connected as power is supplied through the PoE Hub • Built-in surge protection circuit for safety
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LENS

Lens Description	Model	Image	Mount	Image Format	Resolution	Focal Length	Back Focal Length	Zoom Ratio	F. No	Minimum Angle of View	Operation			Dimensions (WxHxD)mm / inch	Weight (g / lb)
											Iris	Focus	Zoom		
Varifocal Lens	SLA-M2890DN		CS	1/2.8"	3Megapixel	2.8 ~ 9mm 0.11" ~ 0.35"	7.5 ~ 15.9mm 0.3" ~ 0.63"	3.2	1.2	134.2° ~ 42.7°	DC	Manual	Manual	45.0 x 51.5 x 54.3mm (1.77" x 2.03" x 2.14")	84.0g 0.19 lb
	SLA-M2890PN										P-Iris				82.1g 0.18 lb
	SLA-2812DN			1/3"	520K pixel	2.8 ~ 12mm 0.11" ~ 0.47"	20.2 ~ 8.1mm 0.8" ~ 0.32"	4.2	1.3	133.0° ~ 29.7°	DC			37.5 x 48.0 x 56.0mm 1.48" x 1.89" x 2.2"	71g 0.16 lb
	SLA-550DV					5 ~ 50mm 0.2" ~ 1.97"	10.5 ~ 10.6mm 0.41" ~ 0.42"	10	1.3	64.0° ~ 6.9°				45.0 x 56.2 x 57.8mm 1.77" x 2.21" x 2.28"	100g 0.22 lb

PERIPHERALS

PTZ / Dome / Fisheye Camera Housings / Mounts

						
SHP-3701H	SHP-3701F	SHD-3000F1	SHD-3000F2	SHD-3000F3	SHD-3000F4	SBP-300HM1
Outdoor Housing for PTZ Dome - For outdoor applications - Weatherproof rated to IP66 - Aluminium + Polycarbonate - IK10 vandal resistant - Can be used with SNP-3300A/3301/3302/3350/3370/3371/3750/5200/5300/5320/5321/5430/6200/6201/6320/6321/L5233/L6233 SCP-2250/2251/2270/2271/2273/2330/2370/2371/2373/2430/3250/3370/3371/3430	In-Ceiling Housing for Dome - For indoor applications - Polycarbonate - Can be used with SNP-3300A/3301/3302/3350/3370/3371/3750/5200/5300/5320/5321/5430/6200/6201/6320/6321/L5233/L6233 SCP-2250/2251/2270/2271/2273/2330/2370/2371/2373/2430/3250/3370/3371/3430	In-Ceiling Housing for PTZ Dome - For indoor applications - Polycarbonate - Can be used with PNV-9080R SND-5083/5084/5084R/6083/6084/6084R/7084/7084R SNV-5084/5084R/6084/6084R/6085R/7084/7084R/8080/8081R SCD-6081R SCV-6081R	In Ceiling Housing for Dome - For indoor applications - Polycarbonate - Can be used with QND-6070R/7080R SND-6011R/L5083R/L6083R SCD-5080/5082/5083/5083R/6021/6083R SUD-5082	In Ceiling Housing for Dome - For indoor applications - Polycarbonate - Can be used with QNV-6070R/7080R SNV-L5083R/L6083R SCV-5082/5082R/5083/5083R/5085/6023R/6083R	In Ceiling Housing for Dome - For indoor applications - Polycarbonate - Can be used with PND-9080R	Hanging Mount - Aluminum - Can be used with SNP-3300A/3301/3302/3350/3370/3371/3750/5200/6200/3120 SCP-2250/2251/2430/3250/3430/2120/3120/2270/2330/2370/3370 SBP-300CM/300LM/300WM/300WM1
						
SBP-301HM2	SBP-301HM3	SBP-301HM4/300HM5	SBP-300HM6	SBP-300HM7	SBP-300HM8	SBP-122HM
Hanging Mount - Aluminum - Can be used with QNV-6070R/7080R SNV-1080/1080R/L5083R/L6083R SND-5083/5084/5084R/6083/6084/6084R/7084/7084R SCV-2081/2081R/2082R/3081/3082/3083/5082/5082R/5083/5083R/5085/6023R/6083R SCD-6081R SBP-300CM/300LM/300WM/300WM1	Hanging Mount - Aluminum - Can be used with SNV-3080/3082/3120/5080/5080R/7080/7080R/7082 SNP-5300/5320/5321/5430/6201/6320/6321/L5233/L6233 SCV-2060/2080/3080/3120 SCP-2271/2273/2371/2373/3371 SBP-300CM/300LM/300WM/300WM1	Hanging Mount for 3M / 5M Fisheye Cameras - Aluminum - Can be used with SNF-7010/7010V/7010VM SBP-300CM/300LM/300WM/300WM1 (SBP-301HM4) Can be used with SNF-8010/8010VM SBP-300CM/300LM/300WM/300WM1 (SBP-301HM5)	Hanging Mount - Aluminum - Can be used with PNV-9080R SNV-5084/5084R/6084/6084R/6085R/7084/7084R/8080/8081R SCV-6081R SBP-300CM/300LM/300WM/300WM1	Hanging Mount - Aluminum - Can be used with QND-6010R/6020R/6030R/7010R/7020R/7030R SND-L5013/L6012/L6013/L6013R/L6014R SNV-6013 SCD-6023R SBP-300CM/300LM/300WM/300WM1	Hanging Mount - Aluminum - Can be used with PND-9080R SND-6084R/6084/6083/5084R/5084/5083 SCD-6081R SBP-300CM/300LM/300WM/300WM1	Hanging Mount - Aluminum - Can be used with QNV-6010R/6020R/6030R/7010R/7020R/7030R QND-6070R/7080R SCD-5080/5082/5083/5083R/6021/6083R SND-6011R/L5083R/L6083R SUD-5082 SBP-300CM/300LM/300WM/300WM1
						
SBP-201HM	SBP-300HF	SBP-301HF	SBP-300TM/300TM1	SBP-300CM	SBP-300WM1/300WM	SBP-300LM
Hanging Mount - Aluminum - Can be used with PNM-9020V	Built-in SFP Install Base for PTZ Cameras - Aluminum - LC SFP port type 100Mbps Ethernet speed (Default speed : 1000Mbps) - IEEE 802.3u, IEEE 802.3z support - Audio input/output, 3.5mm type 24V AC, IP66, IK10, -50°C to +55°C - Can use with SNP-6320H/5430H	Built-in SFP Install Base for PTZ Cameras - Aluminum - LC SFP port type 100Mbps Ethernet speed (Default speed : 1000Mbps) - IEEE 802.3u, IEEE 802.3z support - Audio input/output, 3.5mm type 24V AC, IP66, IK10, -50°C to +55°C - Can use with SNP-6321H/5321H/L6233H/L5233H	Wall Ceiling Mount for 3M/5M Fisheye Cameras - Poly carbonate - Can be used with SNF-7010VM/7010V/7010 (SBP-300TM) SNF-8010/8010VM (SBP-300TM1)	Ceiling Mount - Aluminum + SECC - Can be used with hanging mount and outdoor PTZ	Wall Mount - Aluminum + SECC - Can be used with hanging mount and outdoor PTZ	Parapet Mount - Aluminum + SECC - Can be used with hanging mount and outdoor PTZ

PERIPHERALS

PTZ / Dome Camera Mounts



SBP-300WM0

- Wall Mount
- Poly carbonate
 - Can be used with small-sized indoor dome cameras



SBP-300PM/302PM

- Pole Mount
- SECC
 - Can be used with SBP-300B/300WM/300WM1 (SBP-300PM)
 - Can be used with PNO-9080R/SNO-8081R/SBO-100B1 (SBP-302PM)



SBP-300KM

- Corner Mount
- SECC
 - Can be used with SBP-300B/300WM/300WM1



SBP-300B

- Wall Mount Base
- Aluminum + SECC
 - Can be used with SBP-300PM/300KM



SBP-300NB

- Installation Box
- Steel
 - Can be used with SBP-300WM/300WM1/300KM/300PM



SBV-136B/158G

- Back Box
- Aluminum
 - Can be used with SCV-5082/5082R/5083/5083R/5085/6023R/6083R
 - SNV-L5083R/L6083R
 - QNV-6070R/7080R (SBV-136B)
 - Can be used with PNV-9080R
 - SNV-5084/5084R/6084/6084R/6085R/7084/7084R/8080/8081R
 - SCV-6081R (SBV-158G)



SBF-100B1/SBO-100B1

- Back Box
- Aluminum
 - Can be used with SNF-8010/8010VM (SBF-100B1)
 - Can be used with QNO-7080R/6070R/7010R/7020R/7030R/6010R/6020R/6030R
 - SNO-L6083R/L5083R
 - SCO-6083R (SBO-100B1)

Box Camera Housings / Mounts



SHB-4300H/4300H1/4300H2

- Fixed Housing
- Aluminum diecasting construction
 - Fully cable managed bracket
 - Built-in fan & heater
 - Support three cable glands, IP66



SHB-4200/4200H

- Fixed Housing
- Support two cable glands
 - Built-in fan & heater : SHB-4200H



STH-200

- Fixed Housing
- For fixed camera application
 - Wall/ceiling installations
 - Easy to install side open type



STB-400

- Fixed Mount
- Bracket for STH-500/200
 - Steel material



STB-4150V

- Fixed Mount
- Bracket for box cameras
 - Steel material

IR Illuminator



SPI-10A/30A

IR Illuminator

- Viewable length of 100m (328.1ft) : SPI-10A
- 70m (229.66ft) : SPI-30A
- Radiation angle of 10° : SPI-10A / 30° : SPI-30A
- IP66

PERIPHERALS

PTZ Cameras

Type	Outdoor PTZ					Indoor PTZ			
Shape									
Color	Ivory								
Model	SCP-2270H/2330H/ 2370H/2370TH/ 3370H/3370TH/ SNP-3301H/3302H/ 3370TH/3371H/ 3371TH/ 5200H/5200TH/ 6200H/6200TH	SCP-2250H SCP-2251H SCP-2430H SCP-3250H SCP-3430H	SCP-3120VH SNP-3120VH	SCP-2271H/2273H/ 2371H/2373H/ 3371H SNP-5300H/5320H/ 5321H/5430H/ 6201H/6320H/6321H L5233H/L6233H	SCP-2370RH SNP-6200RH SNP-6230RH SNP-6320RH SNP-L6233RH	SCP-2270/2330/ 2370/3370 SNP-3300A/3301/3302/ 3350/3370/3371/ 3750/5200/6200	SCP-2250 SCP-2251 SCP-2430 SCP-3250 SCP-3430	SCP-2120 SCP-3120 SNP-3120	SCP-2271/2273/2371/ 2373/3371 SNP-5300/5320/ 5321/5430/ 6201/6320/6321/ L5233/L6233

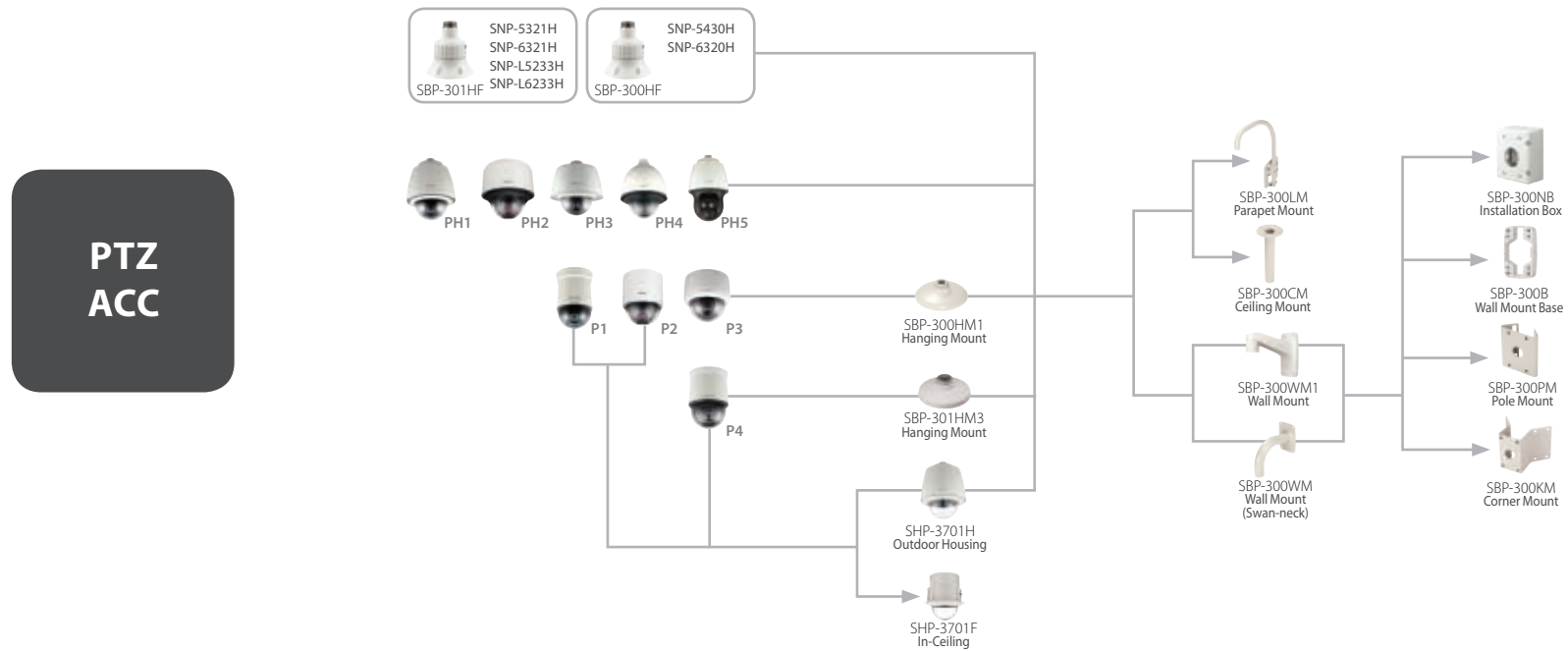
Dome Cameras

Type	Vandal-Resistant						Indoor Dome					
Shape												
Color	Ivory											
Model	SCV-2060/2080/ 3080/3120 SNV-3080/3082/3120/ 5080/5080R/ 7080/7080R/ 7082	SCV-2081 SCV-2081R SCV-2082R SCV-3081 SCV-3082 SCV-3083 SNV-1080 SNV-1080R	PNV-9080R SCV-6081R SNV-5084/5084R/ 6084/6084R/ 6085R/ 7084/7084R/ 8080/8081R	SNV-6013	QNV-6070R/7080R SCV-5082/5082R/ 5083/5083R/ 5085/6023R/ 6083R SNV-L5083R/L6083R	QNV-6010R QNV-6010R QNV-6020R QNV-6030R QNV-7010R QNV-7020R QNV-7030R	SCD-2060E/2080/ 2080R/2081/ 2082/3080/ 3081/3082/ 3083 SND-1080/5061/ 7061	SCD-2020/2020R/ 2021/2022/ 2022R/2040/ 2042R/5010/ 5020/5030 SND-1011/5011/ 7011 SUD-2020/2022/5020	SCD-6081R SND-5083 SND-5084 SND-5084R SND-6083 SND-6084 SND-6084R SND-7084 SND-7084R	QND-6070R/7080R SCD-5080/5082/ 5083/5083R/ 6021/6083R SND-6011R/L5083R/ L6083R SUD-5082	QND-6010R/6020R/ 6030R/7010R/ 7020R/7030R SCD-6023R SND-L5013/L6012/ L6013/L6013R/ L6014R	PND-9080R

Fisheye / Panoramic Cameras

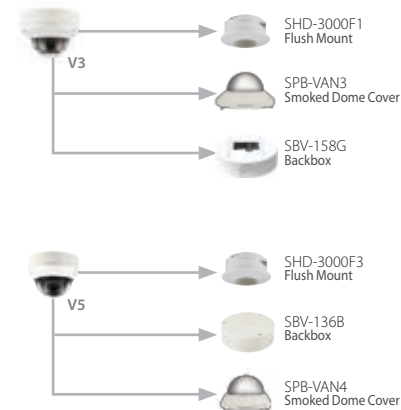
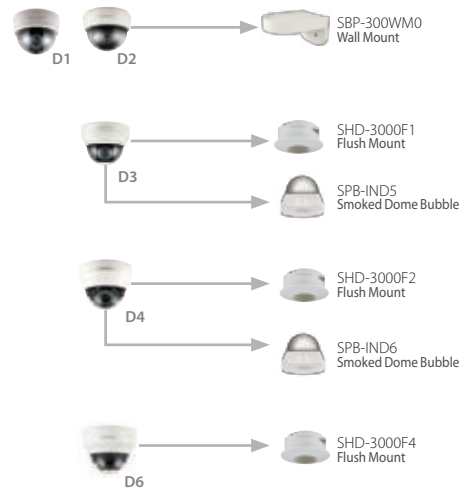
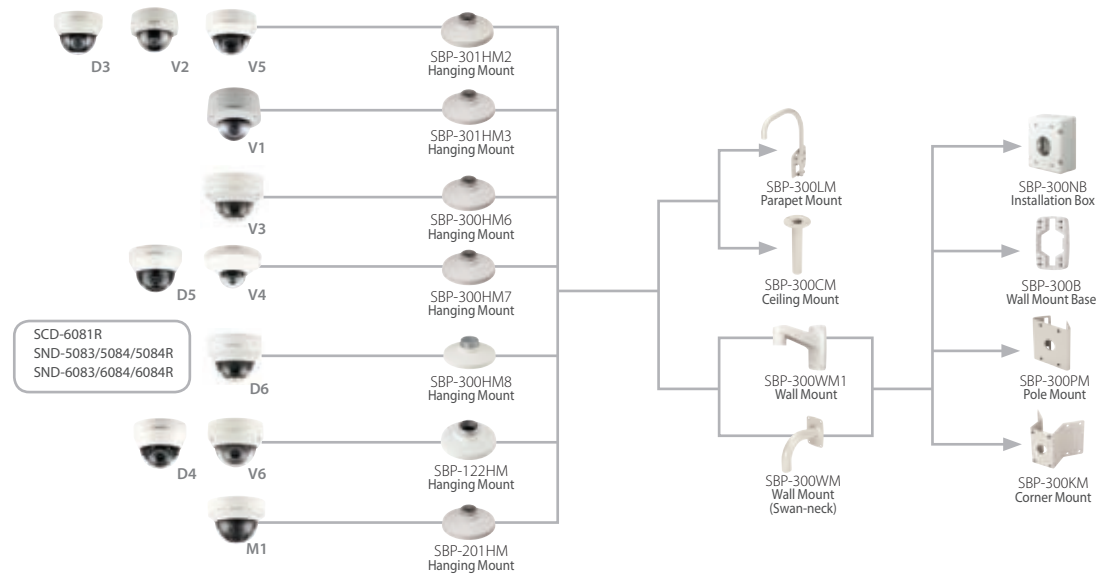
Type	Fisheye				Panoramic
Shape					
Color	Ivory				
Model	SNF-7010	SNF-8010	SNF-7010V SNF-7010VM	PNF-9010R PNF-9010RV PNF-9010RVM SNF-8010VM	PNM-9020V

ACCESSORIES CONFIGURATION



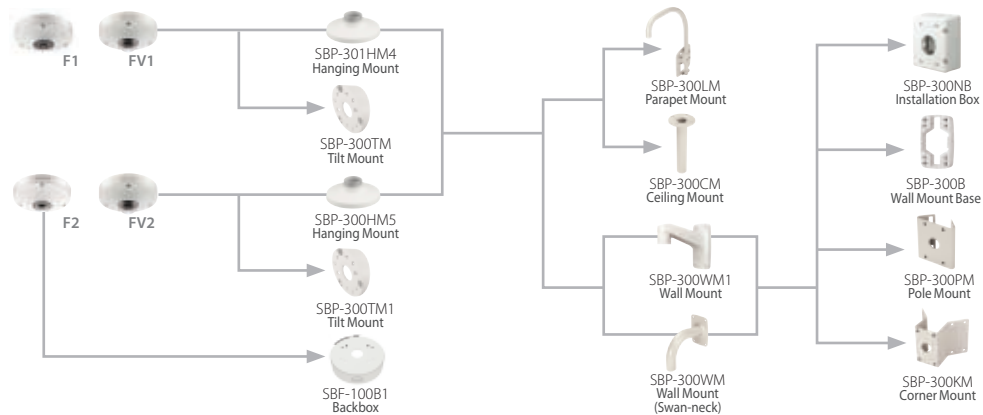
ACCESSORIES CONFIGURATION

DOME ACC

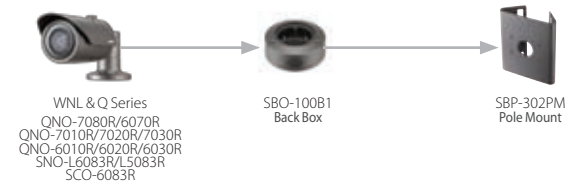


ACCESSORIES CONFIGURATION

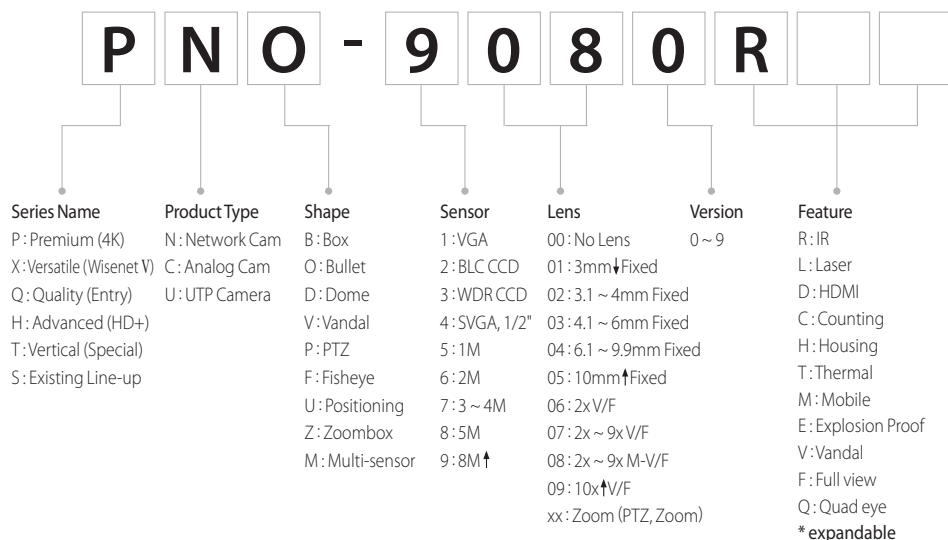
FISHEYE ACC



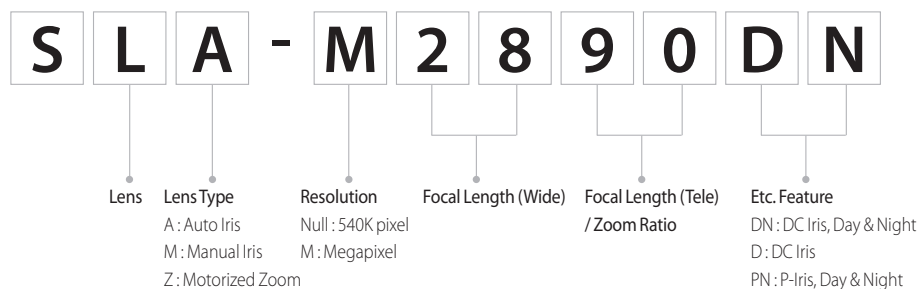
BULLET ACC



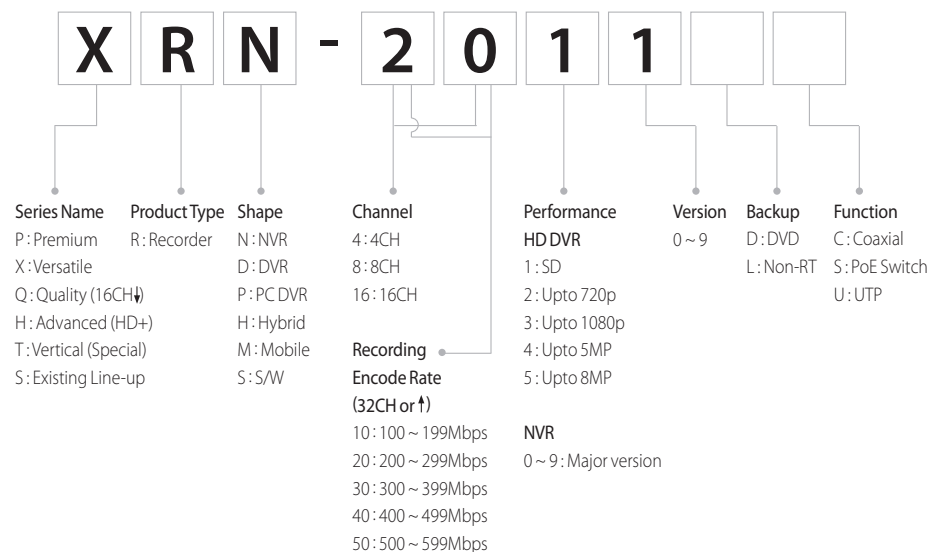
Camera



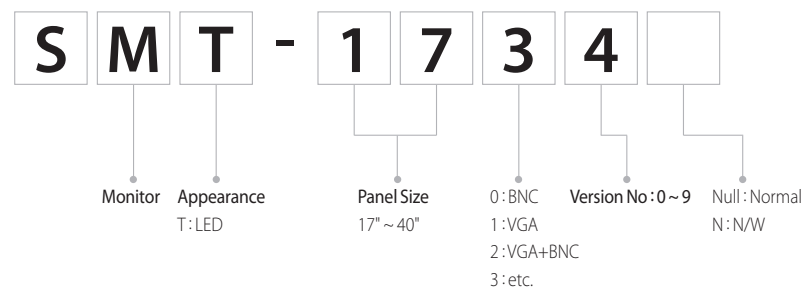
Lens



Recorder



Monitor



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