



Product line-up

1st Quarter 2017



New



New



New



New



New



New

WISENET X
XNB-8000

WISENET X
XNB-6000

WISENET X
XNO-8080R

WISENET X
XNO-8020R/8030R/8040R

WISENET X
XNO-6080R

WISENET X
XNO-6010R/6020R

	Resolution	5MP	2MP	5MP	5MP	2MP	2MP
VIDEO	Imaging Device	1/1.8" 6M CMOS	1/2.8" 2M CMOS	1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/2.8" 2M CMOS	1/2.8" 2M 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	5M / 30fps	2M / 60fps	5M / 30fps	5M / 30fps	2M / 60fps	2M / 60fps
	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)
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color : 0.07Lux B/W : 0.007Lux	Color : 0.01Lux B/W : 0.001Lux	Color : 0.07Lux B/W : 0Lux (IR LED on)	Color : 0.2Lux B/W : 0Lux (IR LED on)	Color : 0.015Lux B/W : 0Lux (IR LED on)	Color : 0.055Lux (XNO-6010R), 0.01Lux (XNO-6020R) B/W : 0Lux (IR LED on)
	Video Output	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B
	Lens	-	-	3.7 ~ 9.4mm (2.5x) Motorized V/F (F1.2)	3.7mm fixed (F1.6) (XNO-8020R) 4.6mm fixed (F1.6) (XNO-8030R) 7mm fixed (F1.6) (XNO-8040R)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.4mm fixed (F2.0) (XNO-6010R) 4mm fixed (F1.2) (XNO-6020R)
	Angular Field of View	-	-	H : 100.2° ~ 38.7° / V : 72.7° ~ 29.0° / D : 132.0° ~ 48.6°	H : 97.5° / V : 71.9° / D : 126.2° (XNO-8020R) H : 77.9° / V : 57.9° / D : 98.7° (XNO-8030R) H : 50.7° / V : 37.8° / D : 63.8° (XNO-8040R)	H : 119.5° ~ 27.9° / V : 62.8° ~ 15.7° / D : 142.1° ~ 32.0°	H : 139.0° / V : 73.0° / D : 167.0° (XNO-6010R) H : 88.6° / V : 47.5° / D : 104.8° (XNO-6020R)
	Focus Control	Simple focus / Manual	Simple focus / Manual	Simple focus (Motorized V/F) / Manual	-	Simple focus (Motorized V/F) / Manual	-
OPERATIONAL	IR Viewable Length	-	-	50m (164.04ft)	30m (98.43ft)	50m (164.04ft)	15m (49.21ft) (XNO-6010R) / 30m (98.43ft) (XNO-6020R)
	Pan / Tilt / Rotate	-	-	-	-	-	-
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (150dB)	WDR (120dB)	WDR (120dB)	WDR (150dB)	WDR (150dB)
	Digital Noise Reduction	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)
	Digital Image Stabilization	Support	Support	Support	Support	Support	Support
	Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management
		Protocol	ONVIF profile S & G, SUNAPI	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	1 / 1
		Audio	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
FEATURES	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	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
	Environment Protection	-	-	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10
	Operating Temperature	-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 -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-40°C ~ +55°C (-22°F ~ +131°F) (-40°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)
	Power	AC 24V (Max. 8.5W) DC 12V (Max. 7.5W) PoE (Max. 8.5W)	AC 24V (Max. 8W) DC 12V (Max. 6.5W) PoE (Max. 7.5W)	AC 24V (Max. 14.5W) DC 12V (Max. 12.5W) PoE (Max. 12.95W)	DC 12V (Max. 8.8W) PoE (Max. 9.8W)	AC 24V (Max. 15W) DC 12V (Max. 12W) PoE (Max. 12.95W)	DC 12V (Max. 7.8W) PoE (Max. 8.8W)
	Dimensions (WxHxD) / Weight	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 420g (0.93lb)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 420g (0.93lb)	Ø91.0 x 368.6mm (Ø3.58" x 14.51") (Without sunshield) 2.18Kg (4.81lb)	Ø120.0 x 296.0mm (Ø4.72" x 11.65") (Without sunshield) 1.3Kg (2.87lb)	Ø91.0 x 368.6mm (Ø3.58" x 14.51") (Without sunshield) 2.18Kg (4.81lb)	Ø70.0 x 296.0mm (Ø2.76" x 11.65") (Without sunshield) 1.3Kg (2.87lb)
	Additional Features	DIS with Gyro sensor, Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	DIS with Gyro sensor, Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view



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New



New

WISENET X
XND-8080R

WISENET X
XND-8080RV

WISENET X
XND-8020R/8030R/8040R

WISENET X
XND-6080

WISENET X
XND-6080R

WISENET X
XND-6080V

WISENET X
XND-6080RV

WISENET X
XND-6010

	Resolution	5MP	5MP	5MP	2MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M 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	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	5M / 30fps	5M / 30fps	5M / 30fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps
	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	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color: 0.07Lux B/W: 0Lux (IR LED on)	Color: 0.07Lux B/W: 0Lux (IR LED on)	Color: 0.2Lux B/W: 0Lux (IR LED on)	Color: 0.015Lux B/W: 0.0015Lux	Color: 0.015Lux B/W: 0Lux (IR LED on)	Color: 0.015Lux B/W: 0.0015Lux	Color: 0.015Lux B/W: 0Lux (IR LED on)	Color: 0.055Lux B/W: 0.0055Lux
	Video Output	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B
VIDEO	Lens	3.9 ~ 9.4mm (2.4x) Motorized V/F (F1.3)	3.9 ~ 9.4mm (2.4x) Motorized V/F (F1.3)	3.7mm fixed (F1.6) (XND-8020R) 4.6mm fixed (F1.6) (XND-8030R) 7mm fixed (F1.6) (XND-8040R)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.4mm fixed (F2.0)
	Angular Field of View	H: 92.1° ~ 38.7° / V: 67.2° ~ 29.0° / D: 119.9° ~ 48.6°	H: 92.1° ~ 38.7° / V: 67.2° ~ 29.0° / D: 119.9° ~ 48.6°	H: 97.5° / V: 71.9° / D: 126.2° (XND-8020R) H: 77.9° / V: 57.9° / D: 98.7° (XND-8030R) H: 50.7° / V: 37.8° / D: 63.8° (XND-8040R)	H: 119.5° ~ 27.9° / V: 62.8° ~ 15.7° / D: 142.1° ~ 32.0°	H: 119.5° ~ 27.9° / V: 62.8° ~ 15.7° / D: 142.1° ~ 32.0°	H: 119.5° ~ 27.9° / V: 62.8° ~ 15.7° / D: 142.1° ~ 32.0°	H: 119.5° ~ 27.9° / V: 62.8° ~ 15.7° / D: 142.1° ~ 32.0°	H: 139.0° / V: 73.0° / D: 167.0°
	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	Simple focus (Motorized V/F) / Manual	-
OPERATIONAL	IR Viewable Length	30m (98.43ft)	30m (98.43ft)	30m (98.43ft)	-	30m (98.43ft)	-	30m (98.43ft)	-
	Pan / Tilt / Rotate	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° ~ 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)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (150dB)	WDR (150dB)	WDR (150dB)	WDR (150dB)	WDR (150dB)
	Digital Noise Reduction	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)
	Digital Image Stabilization	Support	Support	Support	Support	Support	Support	Support	Support
	Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management
FEATURES	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	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	1 / 1	1 / 1	1 / 1	1 / 1
	Audio	Bi-directional	Bi-directional	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	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
	Environment Protection	IK08	IK08	IK08	IK08	IK08	IK08	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)	-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. 9W) PoE (Max. 10W)	DC 12V (Max. 9W) PoE (Max. 10W)	DC 12V (Max. 8W) PoE (Max. 9W)	DC 12V (Max. 6W) PoE (Max. 6.5W)	DC 12V (Max. 9W) PoE (Max. 10W)	DC 12V (Max. 6W) PoE (Max. 6.5W)	DC 12V (Max. 9W) PoE (Max. 10W)	DC 12V (Max. 5.5W) PoE (Max. 6W)
	Dimensions (WxHxD) / Weight	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 628g (1.39lb)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 732g (1.61lb)	Ø110.0 x 90.0mm (Ø4.33" x 3.54") 365g (0.80lb)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 610g (1.34lb)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 624g (1.38lb)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 714g (1.57lb)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 724g (1.60lb)	Ø110.0 x 90.0mm (Ø4.33" x 3.54") 365g (0.80lb)
	Additional Features	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view



New

WISENET X
NNV-8080R



New

WISENET X
XNV-8020R/8030R/8040R



New

WISENET X
XNV-6080



New

WISENET X
XNV-6080R



New

WISENET X
XNV-6010



New

WISENET X
XNP-6370RH

	Resolution	5MP	5MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2.42M 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	5M / 30fps	5M / 30fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps
	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 3 profiles)
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	15 (Unicast)
	Min. Illumination	Color : 0.07Lux B/W : 0Lux (IR LED on)	Color : 0.2Lux B/W : 0Lux (IR LED on)	Color : 0.015Lux B/W : 0.0015Lux	Color : 0.015Lux B/W : 0Lux (IR LED on)	Color : 0.055Lux B/W : 0.0055Lux	Color : 0.05Lux B/W : 0Lux (IR LED on)
	Video Output	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp, micro USB type B	CVBS 1.0Vpp
	Lens	3.9 ~ 9.4mm (2.4x) Motorized V/F (F1.3)	3.7mm fixed (F1.6) (XNV-8020R) 4.6mm fixed (F1.6) (XNV-8030R) 7mm fixed (F1.6) (XNV-8040R)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.4mm fixed (F2.0)	6 ~ 222mm (IR corrected optical 37x) F1.5(Wide) / F4.6(Tele)
	Angular Field of View	H : 92.1° ~ 38.7° / V : 67.2° ~ 29.0° / D : 119.9° ~ 48.6°	H : 97.5° / V : 71.9° / D : 126.2° (XNV-8020R) H : 77.9° / V : 57.9° / D : 98.7° (XNV-8030R) H : 50.7° / V : 37.8° / D : 63.8° (XNV-8040R)	H : 119.5° ~ 27.9° / V : 62.8° ~ 15.7° / D : 142.1° ~ 32.0°	H : 119.5° ~ 27.9° / V : 62.8° ~ 15.7° / D : 142.1° ~ 32.0°	H : 139.0° / V : 73.0° / D : 167.0°	H : 59.3°(Wide) ~ 1.9°(Tele) / V : 35.8°(Wide) ~ 1.1°(Tele)
	Focus Control	Simple focus (Motorized V/F) / Manual	-	Simple focus (Motorized V/F) / Manual	Simple focus (Motorized V/F) / Manual	-	AF / One-shot AF / Manual
OPERATIONAL	IR Viewable Length	50m (164.04ft)	30m (98.43ft)	-	50m (164.04ft)	-	350m (1,148.29ft)
	Pan / Tilt / Rotate	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°	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 (150dB)	WDR (150dB)	WDR (150dB)	WDR (120dB)
	Digital Noise Reduction	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNRV (2D+3D noise filter)	SSNR (2D+3D noise filter)
	Digital Image Stabilization	Support	Support	Support	Support	Support	-
	Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management	Tampering, Crossing, Enter / Exit, (Dis)Appear, Audio detection, Face detection - with metadata
	Protocol	ONVIF profile S & G, SUNAPI	ONVIF profile S & G, SUNAPI	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	1 / 1	4 / 2 (Relay)
	Audio	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
FEATURES	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	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
	Environment Protection	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP66, IK10
	Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-40°C ~ +55°C (-40°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -20°C (-4°F)	-50°C ~ +55°C (-58°F ~ +131°F)
	Power	AC 24V (Max. 14W) DC 12V (Max. 11.5W) PoE (Max. 12.95W)	DC 12V (Max. 8W) PoE (Max. 9W)	AC 24V (Max. 8.2W) DC 12V (Max. 7W) PoE (Max. 7.8W)	AC 24V (Max. 14W) DC 12V (Max. 11.5W) PoE (Max. 12.95W)	DC 12V (Max. 5.5W) PoE (Max. 6W)	AC 24V (Max. 60.0W/90.0W - heater off/on, IR on)
	Dimensions (WxHxD) / Weight	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 1.01Kg (2.23lb)	Ø120.0 x 97.5mm (Ø4.72" x 3.84") 625g (1.38lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 985g (2.17lb)	Ø160.0 x 118.5mm (Ø6.3" x 4.67") 995g (2.19lb)	Ø120.0 x 97.5mm (Ø4.72" x 3.84") 625g (1.38lb)	Ø236.9 x 407.7mm (Ø9.33" x 16.05") 7.1Kg (15.65 lb)
	Additional Features	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view	Handover, Defog, WiseStream, Auto tracking, Hallway view



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	7.3MP	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	7.3M / 30fps (H.265, H.264)	12M / 20fps, 9M / 25fps	8M / 30fps (H.265, H.264)
	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 3 profiles)	Multiple (Up to 3 profiles)
	Max. User Access	15 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)	15 (Unicast)	15 (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: 0.3Lux, B/W: 0.03Lux	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: 180.0° / V: 4.0°	H: 180.0° / V: 180.0° / D: 180.0°	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	AF / One-shot AF
	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	ONVIF profile S & G, SUNAPI	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	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") 2.03Kg (4.48 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	Handover, Hallway view, P-Iris, Defog, WiseStream	Hand ver, Hallway view, P-Iris, Defog, WiseStream	Handover, Hallway view, P-Iris, Defog, WiseStream	Handover, Lens Distortion Correction, Multi sensor, WiseStream	M12 connector (PNF-9010RVM), Built-in mic, On board dewarping, Handover, WiseStream, Heatmap, People counting	Hand over, Defog, Auto tracking, WiseStream



WISENET Q
QNO-7080R



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



WISENET Q
QNO-6070R



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



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	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	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	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	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)	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)	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)	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	Video Output	-	-	-	-	-	-	-	-
	Lens	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8mm fixed (F2.0) (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)	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 (F2.0) (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: 133.0° (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)	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: 111.0° / V: 63.0° / D: 133.0° (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	-	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	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)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	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	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	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	1 / 1	1 / 1	1 / 1	1 / 1
	Audio	Uni-directional	Uni-directional	Uni-directional	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	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	-	IK08	-	IK08
	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)	-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. 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)	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	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)	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	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 015Lux B/W : 0.015Lux	Color 015Lux 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	ONVIF profile S, SUNAPI	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. 28.0W (24V AC heater on)	AC 24V : Max. 49.0W (24V AC heater on)	DC 12V (Max. 8.0W), PoE (Max. 30.0W) (With heater)
	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)	Ø162.0 x 244.0mm (Ø6.38" 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 certification : CE2460 EX II 2 GD Ex d IIC T6 Gb IP67 Ex tb IIIC T85°C Db	Explosion certification : CE2460 EX II 2 GD Ex d IIC T6 Gb IP67 Ex tb IIIC T80°C Db	Max. 1.3km detection available (Human)



New

WISENET P
PRN-4011



New

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	1 e-SATA	iSCSI	iSCSI, 1 e-SATA	iSCSI, 1 e-SATA
RAID	RAID 5/6	-	RAID 5	-	-
Hot Swap	Yes	-	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 • Defocus event trigger	• N+1 failover supported • ARB redundancy supported • WiseStream support • Defocus event trigger	• 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 • Defocus event trigger



WISENET X
XRN-1610



New

WISENET X
XRN-810S



New

WISENET X
XRN-410S



New

WISENET Q
QRN-810



New

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, WiseStream	H.265, H.264, MJPEG, WiseStream
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)	Up to 2 SATA (Max. 16TB)	Up to 1 SATA (Max. 8TB)	Up to 1 SATA (Max. 8TB)	Up to 1 SATA (Max. 8TB)
External Storage	iSCSI, 1 e-SATA	-	-	-	-
RAID	-	-	-	-	-
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	• Plug & play by 8 PoE / PoE+ ports • Defocus event trigger • ARB supported • Easy configuration (Setup Wizard, P2P (QR code)) • Event push to smart phone • Transmission bandwidth 128Mbps • Defocus event trigger	• Plug & play by 4 PoE / PoE+ ports • Defocus event trigger • ARB supported • Easy configuration (Setup Wizard, P2P (QR code)) • Event push to smart phone • Transmission bandwidth 64Mbps • Defocus event trigger	• Defocus event trigger • ARB supported • Easy configuration (Setup Wizard, P2P (QR code)) • Event push to smart phone • Transmission bandwidth 128Mbps • Defocus event trigger	• Defocus event trigger • ARB supported • Easy configuration (Setup Wizard, P2P (QR code)) • Event push to smart phone • Transmission bandwidth 64Mbps • Defocus event trigger

NETWORK



		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	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 (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	-	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 : 187.0° / V : 187.0° / D : 187.0°	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. 1.50W, 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: 110.0° / V: 61.0° / D: 125.0°	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: 74.0° / V: 58.0° / D: 97.0°	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 : 112.0° / V : 62.0°
	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)
	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
VIDEO	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 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)
OPERATIONAL	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)
	Backlight Compensation	BLC, DWDR	WDR (130dB)	BLC, DWDR	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (100dB)
	Digital Noise Reduction	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)	SSNR III (2D+3D noise filter)
	Digital Image Stabilization	-	Support	-	Support	Support	Support	Support	Support
	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

NETWORK

								
	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
VIDEO	Resolution	2MP	1.3MP	1.3MP	1.3MP	1.3MP	2MP	2MP
	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
	Video Compression Format	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 / 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)
	Max. User Access	10 (Unicast)	10 (Unicast)	10 (Unicast)	10 (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)
	Video Output	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp	CVBS 1.0Vpp
	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)
	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)
OPERATIONAL	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
	IR Viewable Length	-	-	-	-	-	150m (492.13ft)	100m (328.08ft)
	Pan / Tilt / Rotate	360° Endless / 210° (-15° ~ 195°) / Day & Night	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 / 190° (-5° ~ 185°) / True (ICR)	360° Endless / 190° (-5° ~ 185°) / True (ICR)
	Backlight Compensation	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)	WDR (100dB)
	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
	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	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
	Alarm I/O	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 3 (Relay)	4 / 3 (Relay)
	Audio	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional
FEATURES	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
	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
	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)
	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)
	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)
	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	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

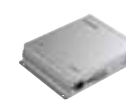


SPE-100



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 Channe	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, 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

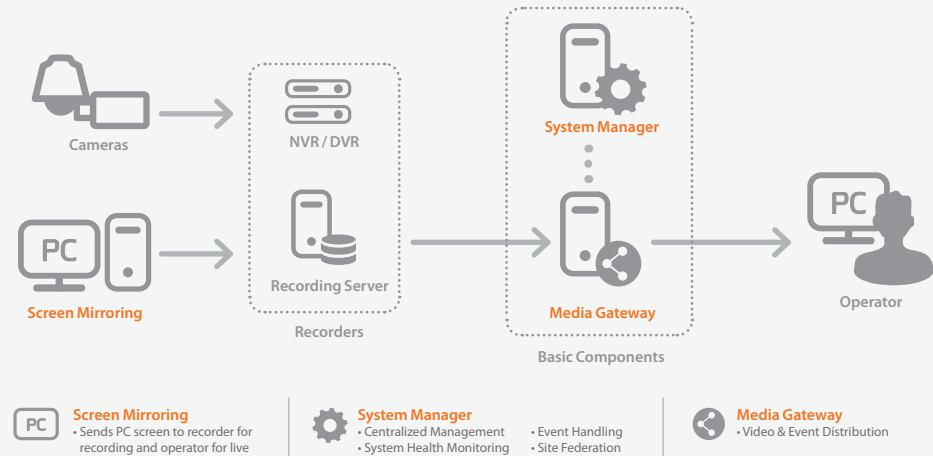


Video Wall Control

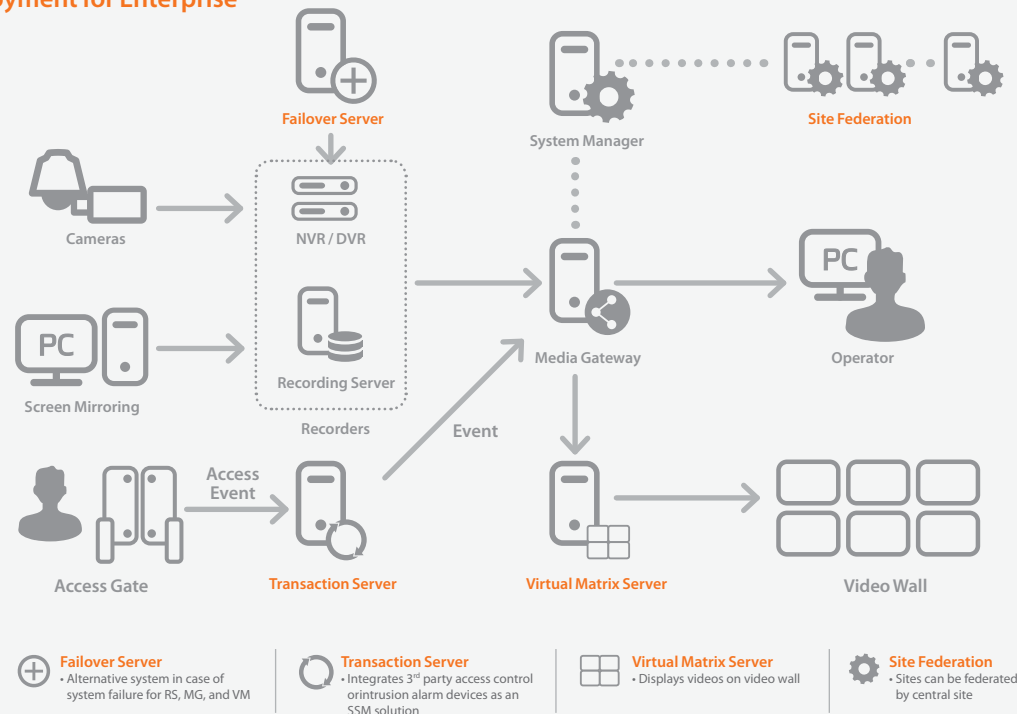
SSM Server Components and Main Features

SSM V1.6		PROFESSIONAL	ENTERPRISE
Maximum Number of Cameras		288	Unlimited
Maximum Number of Clients		5	Unlimited
Architecture		Multi-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
	Features	Live Monitoring	Yes
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



NETWORK

Reader



New

Wisenet Access
R10/R10 Elite/R10 Elite Mobile



New

Wisenet Access
R40/R40 Elite/R40 Elite Mobile



New

Wisenet Access
RK40/RK40 Elite/RK40 Elite Mobile



New

Wisenet Access
BioEntry W2



New

Wisenet Access
5427CK



New

Wisenet Access
BioMini

	R10/R10 Elite/R10 Elite Mobile	R40/R40 Elite/R40 Elite Mobile	RK40/RK40 Elite/RK40 Elite Mobile	BioEntry W2	5427CK	BioMini
Frequency	13.56Mhz	13.56Mhz	13.56Mhz	13.56Mhz	13.56Mhz	-
Communication	Wiegand	Wiegand	Wiegand / Clock & Data	Wiegand	USB 2.0	USB 2.0
Compatible Access Cards	R10 : iCLASS SE, MIFARE(Classic) / DESFire EV1 CSN R10 Elite : iCLASS SEOS Elite, MIFARE(Classic) / DESFire EV1 CSN R10 Elite Mobile : Mobile ID, MIFARE(Classic) / DESFire EV1 CSN	R40 : iCLASS SE, MIFARE(Classic) / DESFire EV1 CSN R40 Elite : iCLASS SEOS Elite, MIFARE(Classic) / DESFire EV1 CSN R40 Elite Mobile : Mobile ID, MIFARE(Classic) / DESFire EV1 CSN	RK40 : iCLASS SE, MIFARE(Classic) / DESFire EV1 CSN RK40 Elite : iCLASS SEOS Elite, MIFARE(Classic) / DESFire EV1 CSN RK40 Elite Mobile : Mobile ID, MIFARE(Classic) / DESFire EV1 CSN	iCLASS SE, MIFARE (Classic) / DESFire EV1 CSN	iCLASS SE / SEOS Elite, MIFARE (Classic) / DESFire EV1 CSN	-
Keypad	-	-	Yes (4 x 3)	-	-	-
Operating Voltage Range	5-16VDC	5-16VDC	5-16VDC	12V DC	USB 2.0	USB 2.0
Operating Temperature	-35°C ~ +65°C (-31°F ~ +150°F)	-35°C ~ +65°C (-31°F ~ +150°F)	-35°C ~ +65°C (-31°F ~ +150°F)	-20°C ~ +50°C (-4°F ~ +122°F)	0°C ~ +70°C (+32°F ~ +158°F)	-10°C ~ +50°C (+14°F ~ +122°F)
Ingress Protection	IP55	IP55	IP55	IP67	IP54	-
Impact Protection	-	-	-	IK08	-	-
Panel Connection	Pigtail	Pigtail	Pigtail	Pigtail	-	-
Colour	Black	Black	Black	Dark gray	Black	Dark gray
Max. User	-	-	-	500,000 (1 : 1), 100,000 (1 : N)	-	-
Max. Fingerprint Template	-	-	-	1,000,000 (1 : 1), 200,000 (1 : N)	-	-
Ethernet	-	-	-	10/100Mbps	-	-

Controller



New

Wisenet Access
V2000



New

Wisenet Access
EH400K



New

Wisenet Access
V1000



New

Wisenet Access
V100



New

Wisenet Access
V200



New

Wisenet Access
V300

	V2000	EH400K	V1000	V100	V200	V300
Communication Port	Ethernet (10/100)	Ethernet (10/100)	Ethernet (10/100)/ RS-485	RS-485	RS-485	RS-485
Reader interface	2ea	1ea	-	2ea	-	-
Max. expansion board	-	-	32ea	-	-	-
Max. card holders	250,000	125,000	250,000	-	-	-
Max. Event buffers	99,999	99,999	99,999	-	-	-
Input port	2ea	4ea	2ea	4ea	16ea	2ea
Output port	4ea	2ea	2ea	4ea	2ea	12ea
Operating Current	210mA / 12V DC	-	-	-	-	-
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)	0°C ~ +50°C (+32°F ~ +122°F)
PoE	-	802.af	-	-	-	-
Colour	Gray	Black	Gray	Gray	Gray	Gray

Card



New

iCLASS SE



New

iCLASS SEOS Elite



New

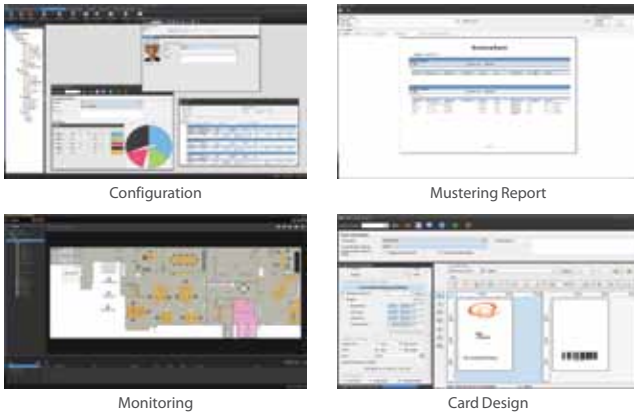
Mobile ID

• 13.56Mhz • Compatible with R10/R40/RK40	• 13.56Mhz • Compatible with R10 Elite/R40 Elite/RK40 Elite • Encoded by Hanwha Techwin unique format	• Bluetooth/ NFC via Mobile device (Android, IOS) • Compatible with R10 Elite Mobile/ R40 Elite Mobile/RK40 Elite Mobile
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Wisenet Access Software

Wisenet Access Software is access control management software and can be integrated with SSM TS for integrated monitoring solution. It is highly scalable up to unlimited doors system and has robust software architecture.

Key Features

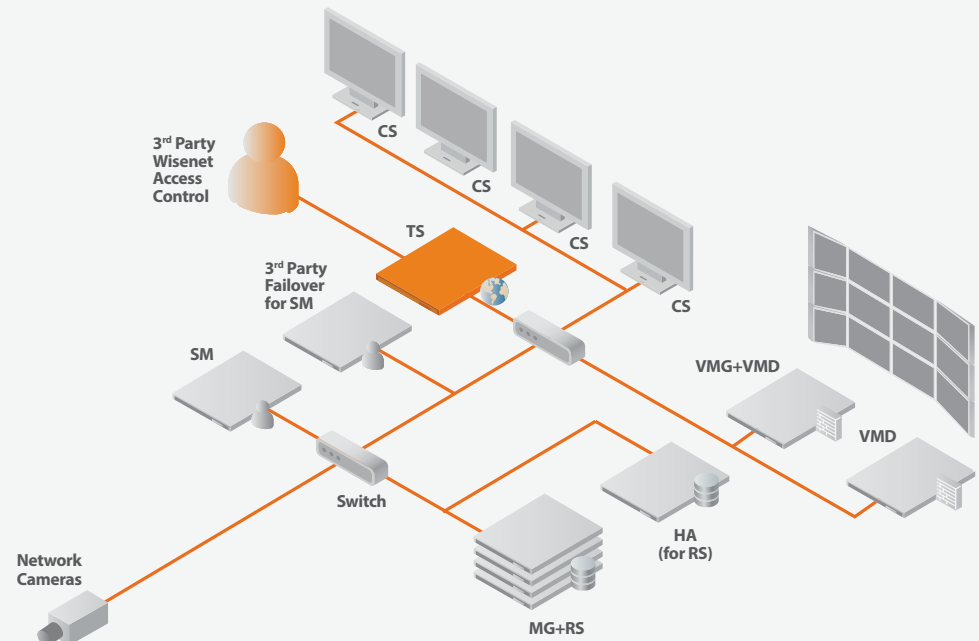


Access Control	Device auto discovery
	Cardholder management
	Batch uploads
	Card(s) pre-registration
	Device maintenance
	Unlimited access groups, Time schedules
	Area / Zone management
Monitoring	Biometric readers (FP)
	Real time access events & alarm monitoring
	Graphic maps
	Remote door management (Close / Open)
	I/O monitoring
	Mustering
	Event filtering for monitoring
Card Design and Printing	Control door monitoring / Management permissions per user group
	Create multiple design templates
	Auto-fill card holder data from system database
Fire Groups	Print cards
	Create firegroups for each fire sensor input
Advanced Reporting	Extensive reporting options
	Export to multiple formats (excel, pdf, word etc.)
Video Integration with SSM	Full Integration with Hanwha Techwin's VMS, SSM
	Review video of the access events & alarms
	Real-time event & alarm notification to SSM
Maintenance	User group & user privileges
	Manual & scheduled database backup
	Database restore
	Data export & import
	Custom fields
	Auditing & user activity logs
	Up to 32doors (Standard), 256doors (Professional), Unlimited doors (Enterprise)
System	Very simple and intuitive user interface
	Highly scalable

Wisenet Access Standard / Professional / Enterprise Version



SSM Enterprise Integration

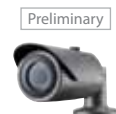




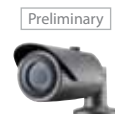
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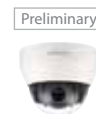
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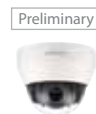
New



New



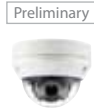
New



New

WISENET HD+
HCB-6001
WISENET HD+
HCB-6000
WISENET HD+
HCO-6080R
WISENET HD+
HCO-6070R
WISENET HD+
HCD-6080R
WISENET HD+
HCD-6070R

TV Lines / Resolutions		2MP	2MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	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
	Min. Illumination	Color: 0.04Lux B/W: 0.004Lux	Color: 0.04Lux B/W: 0.004Lux	Color: 0.11Lux B/W: 0Lux (IR LED on)	Color: 0.11Lux B/W: 0Lux (IR LED on)	Color: 0.11Lux B/W: 0Lux (IR LED on)	Color: 0.11Lux B/W: 0Lux (IR LED on)
	Lens	-	-	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) V/F (F1.4)	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) V/F (F1.4)
	IR Viewable Length	-	-	30m (98.43ft)	30m (98.43ft)	20m (65.62ft)	20m (65.62ft)
	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: 103.8°(Wide) ~ 32.4°(Tele) / V: 53.7°(Wide) ~ 18.4°(Tele) / D: 121.9°(Wide) ~ 37.1°(Tele)	H: 103.8°(Wide) ~ 32.4°(Tele) / V: 53.7°(Wide) ~ 18.4°(Tele) / D: 121.9°(Wide) ~ 37.1°(Tele)	H: 103.8°(Wide) ~ 32.4°(Tele) / V: 53.7°(Wide) ~ 18.4°(Tele) / D: 121.9°(Wide) ~ 37.1°(Tele)
	Pan / Tilt / Rotate	-	-	-	-	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)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV
	Motion Detection	Support	Support	Support	Support	Support	Support
	Privacy Masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
	Intelligent Video Analytics	-	-	-	-	-	-
FEATURES	Alarm I/O	0 / 1, External D/N 1	0 / 1, External D/N 1	MD output 1	MD output 1	MD output 1	MD output 1
	Communication	Coax: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol), RS-485	Coax: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol), RS-485	NTSC/PAL: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol)	NTSC/PAL: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol)	NTSC/PAL: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol)	NTSC/PAL: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol)
	Environment Protection	-	-	IP66, IK10	IP66, IK10	-	-
	Operating Temperature	-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)
	Power	AC 24V & DC 12V (Max. 3.5W)	AC 24V & DC 12V (Max. 3.5W)	AC 24V & DC 12V (Max. 6.0W)	AC 24V & DC 12V (Max. 6.0W)	AC 24V & DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 4.2W)
	Dimensions (WxHxD) / Weight	68.4 x 59.6 x 92.7mm (2.69" x 2.35" x 3.65") 175.5g (0.39 lb)	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)	Ø78.0 x 260.0mm (3.07" x 10.24") (Without sun shield) 922g (2.03 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 304g (0.67 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 304g (0.67 lb)
	Additional Features	Video transmission up to 500m (75-5 coaxial cable)	Video transmission up to 500m (75-5 coaxial cable)	Video transmission up to 500m (75-5 coaxial cable)	Video transmission up to 500m (75-5 coaxial cable)	Video transmission up to 500m (75-5 coaxial cable)	Video transmission up to 500m (75-5 coaxial cable)



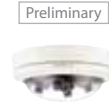
WISENET HD+
HCV-6080R

New



WISENET HD+
HCV-6070R

New



WISENET HD+
HCM-9020VQ

New



WISENET HD+
HCP-6320H/6320

New



WISENET HD+
HCP-6320HA/6320A

New

TV Lines / Resolutions		2MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/3" 2M CMOS	1/2.8" 2.38M CMOS	1/2.8" 2.38M CMOS
	Horizontal Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Min. Illumination	Color: 0.11Lux B/W: 0Lux (IR LED on)	Color: 0.11Lux B/W: 0Lux (IR LED on)	Color: 0.06Lux B/W: 0.01Lux	Color: 0.2Lux B/W: 0.01Lux	Color: 0.2Lux B/W: 0.01Lux
	Lens	2.8 ~ 12mm (4.3x) Motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) V/F (F1.4)	4mm x 2ea, 6mm x 2ea	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)	4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele)
	IR Viewable Length	30m (98.43ft)	30m (98.43ft)	-	-	-
	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: 103.8°(Wide) ~ 32.4°(Tele) / V: 53.7°(Wide) ~ 18.4°(Tele) / D: 121.9°(Wide) ~ 37.1°(Tele)	[4mm] H: 84.0° / V: 42.6° / D: 95.6° [6mm] H: 52.0° / V: 28.0° / D: 62.0°	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)
	Pan / Tilt / Rotate	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	- / 0° ~ 60° / 0° ~ 360°	360° Endless / 210° (-15° ~ 195°) / -	360° Endless / 210° (-15° ~ 195°) / -
OPERATIONAL	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNRIV	SSNRIV	Off / Low / Middle / High	SSNRIII	SSNRIII
	Motion Detection	Support	Support	Support	Support	Support
	Privacy Masking	4 zones	4 zones	Box x 16, Polygonal x 8	32 zones	32 zones
	Intelligent Video Analytics	-	-	-	Tampering, Virtual line, Enter / Exit, (Dis)Appear,	Tampering, Virtual line, Enter / Exit, (Dis)Appear,
FEATURES	Alarm I/O	MD output 1	MD output 1	0 / 4	4 / 2 (Relay)	4 / 2 (Relay)
	Communication	NTSC/PAL: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol)	NTSC/PAL: Pelco-C (Coaxitron) AHD: ACP (AHD Coax Protocol)	Pelco-C (Coaxitron)	RS-485: Samsung-T/E, Pelco-P/D, Sungjin, Panasonic, Honeywell, AD, Vicon, Bosch, GE	RS-485: Samsung-T/E, Pelco-P/D, Sungjin, Panasonic, Honeywell, AD, Vicon, Bosch, GE
	Environment Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10 (HCP-6320H), IK10 (With SHP-3701H) (HCP-6320)	IP66, IK10 (HCP-6320HA), IK10 (With SHP-3701H) (HCP-6320A)
	Operating Temperature	-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)	-50°C ~ +55°C (-58°F ~ +131°F) (HCP-6320H), -10°C ~ +55°C (+14°F ~ +131°F) (HCP-6320)	-50°C ~ +55°C (-58°F ~ +131°F) (HCP-6320HA), -10°C ~ +55°C (+14°F ~ +131°F) (HCP-6320A)
	Power	AC 24V & DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 6.0W)	AC 24V (Max. 24.0W/65.0W - Heater off/on) (HCP-6320H), (Max. 20.0W) (HCP-6320)	AC 24V (Max. 24.0W/65.0W - Heater off/on) (HCP-6320HA), (Max. 20.0W) (HCP-6320A)
	Dimensions (WxHxD) / Weight	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 304g (0.67 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 304g (0.67 lb)	Ø190.0 x 90.0mm (7.48" x 3.54") 2Kg (4.41 lb)	Ø220.0 x 293.6mm (Ø8.66" x 11.56") 3.3Kg (7.28 lb) (SNP-6320H), Ø152.0 x 218.0mm (Ø5.98" x 8.58") 2.2Kg (4.85 lb) (SNP-6320)	Ø220.0 x 293.6mm (Ø8.66" x 11.56") 3.3Kg (7.28 lb) (SNP-6320HA), Ø152.0 x 218.0mm (Ø5.98" x 8.58") 2.2Kg (4.85 lb) (SNP-6320A)
	Additional Features	Video transmission up to 500m (75-5 coaxial cable)	Video transmission up to 500m (75-5 coaxial cable)	Multi imager	Defog	Defog



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	1/2.9" 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	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: 0.04Lux 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)	Color: 0.25Lux B/W: 0Lux (IR LED on)
	Lens	-	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)	4mm fixed (F 2.1)
	IR Viewable Length	-	30m (98.43ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	30m (98.43ft)	20m (65.62ft)
	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: 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)	H: 72.2° / V: 52.9° / D: 94.3°
	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°
OPERATIONAL	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	BLC / DWDR	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	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
	Intelligent Video Analytics	-	-	-	-	-	-	-
FEATURES	Alarm I/O	0 / 1	0 / 1	-	0 / 1	-	0 / 1	-
	Communication	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)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
	Environment Protection	-	IP66, IK10	IP66	-	-	IP66, IK10	IP66, IK10
	Operating Temperature	-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)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)
	Power	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)	DC 12V (Max. 4.2W)
	Dimensions (WxHxD) / Weight	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 sun shield) 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)	Ø137.0 x 94.0mm (Ø5.39" x 3.7") 560g (1.23 lb)
	Additional Features	Defog	Defog	Defog	Defog	Defog	Defog	Defog

Preliminary

New



Preliminary

New


WISENET HD+
HRD-1642
WISENET HD+
SRD-1694
WISENET HD+
SRD-1685
WISENET HD+
SRD-1684/893/493
WISENET HD+
HRD-842
WISENET HD+
SRD-894
WISENET HD+
SRD-494

		16CH	16CH	16CH	16CH/8CH/4CH	8CH	8CH	4CH
OS	Embedded	Linux	Linux	Linux	Linux	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	480fps / 400fps	480fps / 400fps	480fps / 400fps	480fps / 400fps (SRD-1684) 240fps / 200fps (SRD-893) 120fps / 100fps (SRD-493)	240fps / 200fps	240fps / 200fps	120fps / 100fps
Recording	Max. Record Rate / NTSC	480fps@1920 x 1080 240fps@2560 x 1440	480fps@1920 x 1080	480fps@1280 x 720 192fps@1080p	240fps@1920 x 1080 (SRD-1684/893) 120fps@1920 x 1080 (SRD-493)	240fps@1920 x 1080 120fps@2560 x 1440	240fps@1920 x 1080	120fps@1920 x 1080
	Max. Record Rate / PAL	400fps@1920 x 1080 200fps@2560 x 1440	400fps@1920 x 1080	400fps@1280 x 720 192fps@1080p	200fps@1920 x 1080 (SRD-1684/893) 100fps@1920 x 1080 (SRD-493)	200fps@1920 x 1080 100fps@2560 x 1440	200fps@1920 x 1080	100fps@1920 x 1080
	Compression	H.264, WiseStream	H.264	H.264	H.264	H.264, WiseStream	H.264	H.264
Video	Inputs	16CH, AHD, TVI, CVI, NTSC, PAL	16CH, AHD, NTSC, PAL	16CH, AHD, NTSC, PAL	16CH, AHD, NTSC, PAL (SRD-1684) 8CH, AHD, NTSC, PAL (SRD-893) 4CH, AHD, NTSC, PAL (SRD-493)	8CH, AHD, TVI, CVI, NTSC, PAL	8CH, AHD, NTSC, PAL	4CH, AHD, NTSC, PAL
Audio	Inputs	16CH (Built-in 4CH)	16CH (Built-in 4CH)	16CH (Built-in 4CH)	1CH	8CH (Built-in 4CH)	8CH (Built-in 4CH)	4CH
Storage	Internal HDD	Up to 8 SATA HDDs	Up to 8 SATA HDDs	Up to 4 SATA HDDs	1 SATA HDD	Up to 4 SATA HDDs	Up to 4 SATA HDDs	Up to 2 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
	Spot Composite	1CH (BNC)	1CH (Digital)	1CH (Digital)	-	1CH (BNC)	2CH (Digital)	2CH (Digital)
Connections	USB	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports	2 ports
	e-SATA	1 External SATA port	2 External SATA ports	2 External SATA ports	-	1 External SATA port	2 External SATA ports	-
	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	4MP, 1080p, 720p, 4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	4CIF, 2CIF, CIF	4MP, 1080p, 720p, 4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF
	Monitoring	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, Mobile viewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM
PTZ Control	Coax Protocol	NTSC/PAL : 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 : PTZ control via coaxial cable (Pelco-C (Coaxitron)) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : 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)
	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, 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, 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



BEYOND
SCB-5005



BEYOND
SCB-5003



BEYOND
SCB-5000



BEYOND
SCO-5083R



BEYOND
SCO-5081R



BEYOND
SCD-5083



BEYOND
SCD-5082



BEYOND
SCD-5080

	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



BEYOND
SCD-5030



BEYOND
SCD-5020



BEYOND
SCD-5083R



BEYOND
SCD-5081R



BEYOND
SCV-5085



BEYOND
SCV-5083



BEYOND
SCV-5082



BEYOND
SCV-5083R

		BEYOND SCD-5030	BEYOND SCD-5020	BEYOND SCD-5083R	BEYOND SCD-5081R	BEYOND SCV-5085	BEYOND SCV-5083	BEYOND SCV-5082	BEYOND SCV-5083R
VIDEO	TV Lines	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL	1000TVL
	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: 78.0° / V: 62.5° / D: 100.0°	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 (1.71 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



BEYOND
SCV-5081R



A1
SCZ-3430



SVV
SCZ-2373



SVV
SCZ-2373



WV
SCP-2370RH

	TV Lines	1000TVL	600TVL	600TVL	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" Super HAD CCD II
	Horizontal Resolution	Color: 1000TV lines	Color: 600TV lines	Color: 680TV lines	Color: 680TV 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: 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 ~ 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: 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° / -
OPERATIONAL	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	BLC / HLC	WDR (52dB / 54dB)	BLC / HLC	BLC / HLC	BLC / HLC
	Digital Noise Reduction	SSNRIV	Adaptive 3D+2D	SSNRIII	SSNRIII	SSNRIII
	Motion Detection	Support	Support	Support	Support	Support
	Privacy Masking	24 zones (4 points polygonal masking)	12 zones (Polygonal masking)	12 zones	12 zones	8 zones
	Intelligent Video Analytics	Fence, (Dis)Appear, Counting	Fixed / Moved	-	-	-
FEATURES	Alarm I/O	0 / 1	0 / 1	-	-	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
	Environment Protection	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)
	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, 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)	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

* 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
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
	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
	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

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)



Features	SVS-5E
	HDD Extension Unit 1U 19-inch rack case - Data transmission speed : up to 3.0Gbps (SATA II) - Available SATA HDD : up to 4 (4TB)

• 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			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 XNV-6080/6080R/8080R 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 XND-6080/6080R/6080RV/6080V/8080R/8080RV	Hanging Mount - Aluminum - 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 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-7010V/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 XNV-6080/6080R/8080R SNV-5084/5084R/6084/6084R/6085R/7084/7084R/8080/8081R SCV-6081R SBP-300CM/300LM/300WM/300WM1	Hanging Mount - Aluminum - Can be used with XND-6010/6020/8020R/8030R/8040R 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 XND-6080/6080R/6080RV/6080V/8080R/8080RV SND-6084R/6084/6083/5084R/5084/5083 SCD-6081R SBP-300CM/300LM/300WM/300WM1	Hanging Mount - Aluminum - Can be used with XNV-6010/6020/8020R/8030R/8040R 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/301HF/302HF	SBP-300TM/300TM1	SBP-160TM	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 (SBP-300HF) - Can use with SNP-6321H/5321H/L6233H/L5233H (SBP-301HF) - Can use with PNP-9200RH/XNP-6370RH (SBP-302HF)	Tilt Mount for 3M/5M Fisheye Cameras - Poly carbonate - Can be used with SNF-7010VM/7010V/7010 (SBP-300TM) SNF-8010/8010VM (SBP-300TM1)	Tilt Mount - Aluminum - Can be used with PNV-9080R XNV-6080/6080R/8080R SNV-5084/5084R/6084/6084R/6085R SNV-7084/7084R/8080/8081R SCV-6081R	Ceiling Mount - Aluminum + SECC - Can be used with hanging mount and outdoor PTZ	Wall Mount - Aluminum + SECC - Can be used with SBP-300NB/300B/300PM/300KM	Parapet Mount - Aluminum + SECC - Can be used with hanging mount and outdoor PTZ

PERIPHERALS

PTZ / Dome Camera Mounts

						
SBP-300WM0/120WM	SBP-300PM/302PM	SBP-300KM	SBP-300B	SBP-300NB	SBV-136B/158G	SBF-100B1/SBO-100B1
Wall Mount • Poly carbonate • Can be used with SCD-2060E/2080/2080R/2081/2082/3080/3081/3082/3083/2020/2022/2022R/5020/5030 SUD-5061/7061/5011 SUD-5020 (SBP-300WM0) • Plastic • Can be used with QND-7080R/7030R/7020R/7010R/6070R QND-6030R/6020R/6010R, XND-6010/6020 SND-L6083R/L6014R/L6013R/L6012/L5083R/L5013 SCD-6083R/6023R/6021/5083R/5083/5082/5080 (SBP-120WM)	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)	Corner Mount • SECC • Can be used with SBP-300B/300WM/300WM1	Wall Mount Base • Aluminum + SECC • Can be used with SBP-300PM/300KM	Installation Box • Steel • Can be used with SBP-300WM/300WM1/300KM/300PM	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)	Back Box • Aluminum • Can be used with PNF-9010R/9010RV/9010RVM 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/4300H1/4300H2/4300HP	SHB-4200/4200H	STH-200	STB-400	STB-4150V
Fixed Housing • Aluminum diecasting construction • Fully cable managed bracket • Built-in fan & heater • Support three cable glands, IP66	Fixed Housing • Support two cable glands • Built-in fan & heater: SHB-4200H	Fixed Housing • For fixed camera application • Wall/ceiling installations • Easy to install side open type	Fixed Mount • Bracket for STH-500/200 • Steel material	Fixed Mount • Bracket for box cameras • Steel material

IR Illuminator / Smoked Dome Cover

				
SPI-10A/30A	SPB-IND5	SPB-IND6	SPB-VAN3	SPB-VAN4
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	Smoked Dome Cover • Poly carbonate + Poly carbonate • Can be used with SCD-6081R SND-5083/5084/6083/6084/6084R SND-7084	Smoked Dome Cover • Poly carbonate + Poly carbonate • Can be used with SCD-5080/5082/5083/5083R SCD-6021/6083R SND-6011R SUD-5082	Smoked Dome Cover • Aluminium + Poly carbonate • Can be used with PNV-9080R SCV-6081R SNV-5084/5084R/6084/6084R/6085R SNV-7084/7084R/8080/8081R	Smoked Dome Cover • Aluminium + Poly carbonate • Can be used with SCV-5082/5082R/5083/5083R SCV-5085/6023R/6083R SNV-L5083R/L6083R QNV-6070R/7080R

PERIPHERALS

PTZ Cameras

Type	Outdoor PTZ						Indoor PTZ			
Shape										
	PH1	PH2	PH3	PH4	PH5	PH6	P1	P2	P3	P4
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	XNP-6370RH PNP-9200RH	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

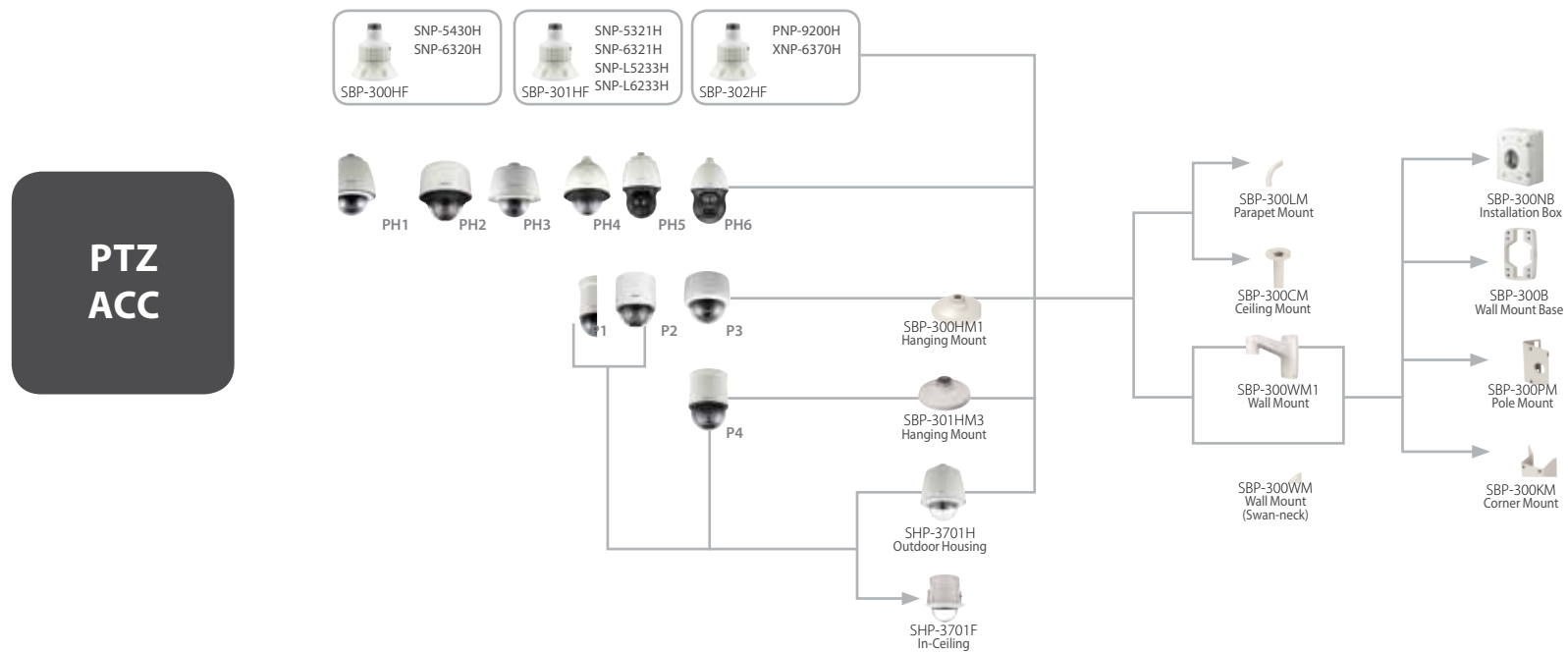
Dome Cameras

Type	Vandal-Resistant						Indoor Dome					
Shape												
	V1	V2	V3	V4	V5	V6	D1	D2	D3	D4	D5	D6
Color	Ivory											
Model	SCV-2060/2080/ 3080/3120 SNV-3080/3082/ 3120/5080/ 5080R/7080/ 7080R/7082	SCV-2081/2081R/ 2082R/3081/ 3082/3083 SNV-1080/1080R	PNV-9080R XNV-6080/6080R/ 8080R 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/6020R/ 6030R/7010R/ 7020R/7030R XNV-6010/6020/ 8020R/8030R/ 8040R	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-5083/5084/ 5084R/6083/ 6084/6084R/ 7084/7084R	QND-6070R/7080R SCD-5080/5082/ 5083/5083R/ 6021/6083R SND-6011R/L5083R/ L6083R SUD-5082	QND-6010R/6020R/ 6030R/7010R/ 7020R/7030R XND-6010/6020/ 8020R/8030R/ 8040R SCD-6023R SND-L5013/L6012/ L6013/L6013R/ L6014R	PND-9080R XND-6080/6080R/ 6080RV/6080V/ 8080R/8080RV

Fisheye / Panoramic Cameras

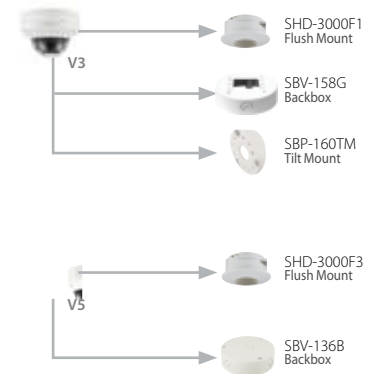
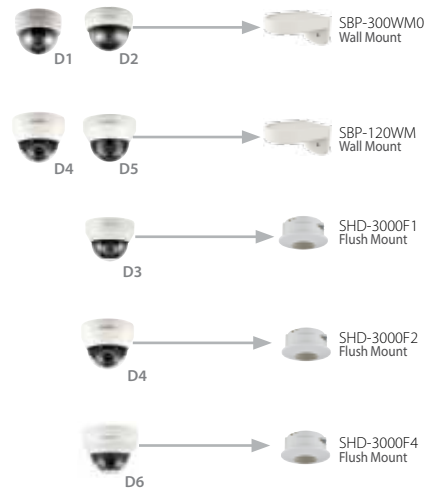
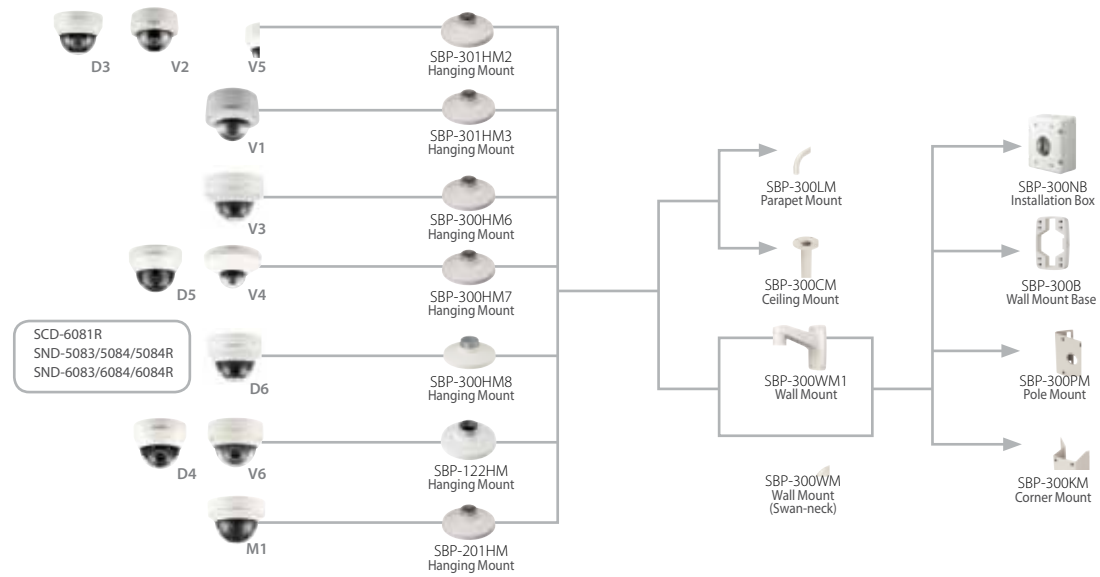
Type	Fisheye				Panoramic
Shape					
	F1	F2	FV1	FV2	M1
Color	Ivory				
Model	SNF-7010	SNF-8010	SNF-7010V SNF-7010VM	PNF-9010R PNF-9010RV PNF-9010RVM SNF-8010VM	PNM-9020V

ACCESSORIES CONFIGURATION



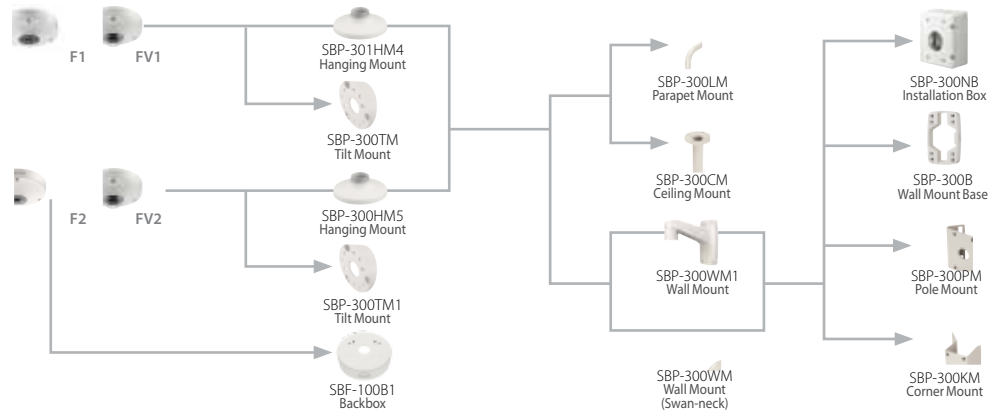
ACCESSORIES CONFIGURATION

DOME ACC

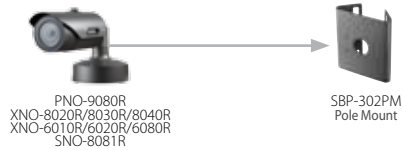


ACCESSORIES CONFIGURATION

FISHEYE ACC

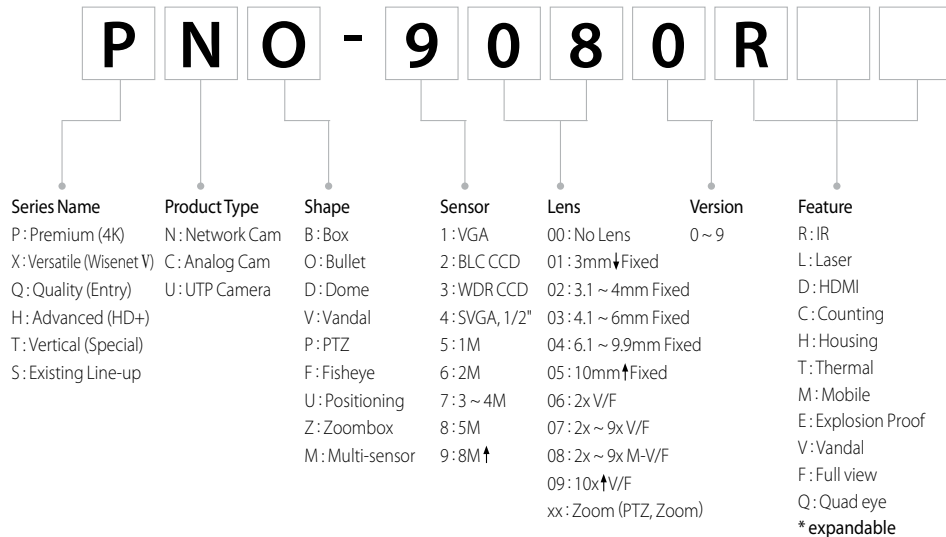


BULLET ACC

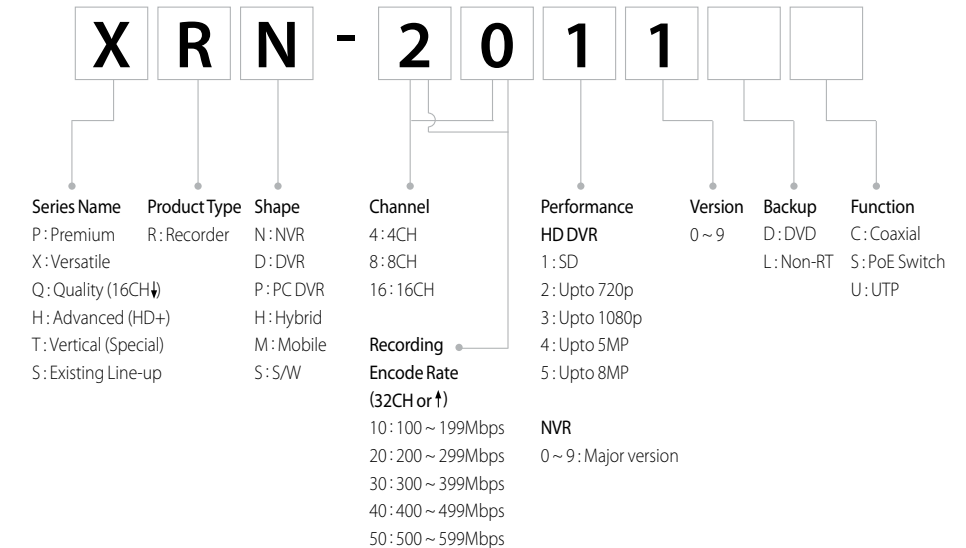


PRODUCT NAMING RULE

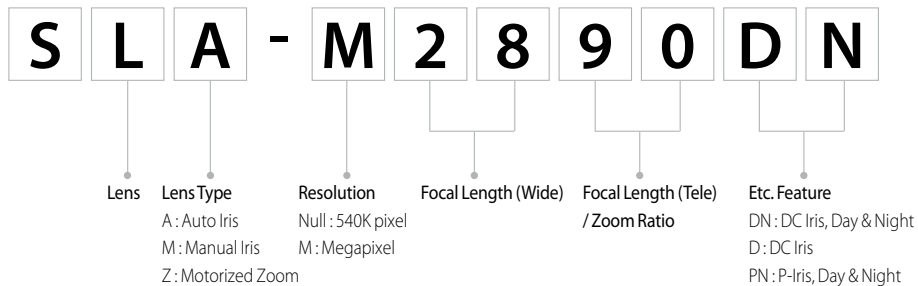
Camera



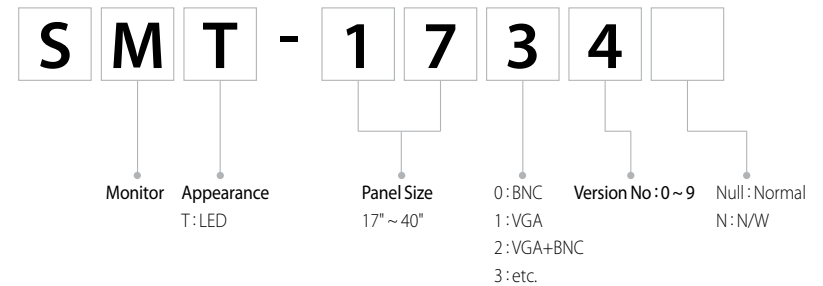
Recorder



Lens



Monitor



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