



Product line-up

2nd Quarter 2017 V1



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



WISENET X
XND-8080R

| | 5MP | 2MP | 5MP | 5MP | 2MP | 2MP | 5MP |
|-------------------------------------|--|--|--|--|--|--|--|
| Resolution | 5MP | 2MP | 5MP | 5MP | 2MP | 2MP | 5MP |
| 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 | 1/1.8" 6M 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 |
| Resolution / Max. Frame Rate | 5M / 30fps | 2M / 60fps | 5M / 30fps | 5M / 30fps | 2M / 60fps | 2M / 60fps | 5M / 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 | 20 (Unicast) | 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 : 0.16Lux B/W : 0Lux (IR LED on) | Color : 0.015Lux B/W : 0Lux (IR LED on) | Color : 0.055Lux (XNO-6010R), 0.015Lux (XNO-6020R) B/W : 0Lux (IR LED on) | Color : 0.07Lux 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 | 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 (F1.4) (XNO-6020R) | 3.9 ~ 9.4mm (2.4x) Motorized V/F (F1.3) |
| 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) | H : 92.1° ~ 38.7° / V : 67.2° ~ 29.0° / D : 119.9° ~ 48.6° |
| Focus Control | Simple focus / Manual | Simple focus / Manual | Simple focus (Motorized V/F) / Manual | - | Simple focus (Motorized V/F) / Manual | - | Simple focus (Motorized V/F) / Manual |
| IR Viewable Length | - | - | 50m (164.04ft) | 30m (98.43ft) | 50m (164.04ft) | 20m (65.61ft) (XNO-6010R) / 30m (98.43ft) (XNO-6020R) | 30m (98.43ft) |
| Pan / Tilt / Rotate | - | - | - | - | - | - | 0° ~ 354° / 0° ~ 67° / 0° ~ 355° |
| Day & Night | True (ICR) | 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) | 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) | SSNRV (2D+3D noise filter) | SSNRV (2D+3D noise filter) |
| Digital Image Stabilization | 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 | 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, 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 |
| 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 |
| Alarm I/O | 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 |
| 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 |
| Environment Protection | - | - | IP67, IP66, NEMA 4X, IK10 | IP67, IP66, NEMA 4X, IK10 | IP67, IP66, NEMA 4X, IK10 | IP67, IP66, NEMA 4X, IK10 | IK08 |
| 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 (-40°F ~ +131°F) (-40°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) |
| 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. 9.3W) PoE (Max. 10.3W) | AC 24V (Max. 15W) DC 12V (Max. 12W) PoE (Max. 12.95W) | DC 12V (Max. 8.8W) PoE (Max. 9.7W) | DC 12V (Max. 9W) PoE (Max. 10W) |
| 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) | Ø70.0 x 296.0mm (Ø4.72" x 11.65") (Without sunshield) 1.22kg (2.69lb) | Ø91.0 x 368.6mm (Ø3.58" x 14.51") (Without sunshield) 2.18kg (4.81lb) | Ø70.0 x 301.5mm (Ø2.76" x 11.87") (Without sunshield) (XNO-6010R) Ø70.0 x 296mm (Ø2.76" x 11.65") (Without sunshield) (XNO-6020R) 1.22kg (2.69lb) | Ø140.8 x 113.0mm (Ø5.54" x 4.45") 628g (1.39lb) |
| 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 | Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway view |

NETWORK Wisenet X series



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



WISENET X
XND-6020R

| | 5MP | 5MP | 2MP | 2MP | 2MP | 2MP | 2MP | 2MP |
|--|---|---|---|---|---|---|---|---|
| Resolution | 5MP | 5MP | 2MP | 2MP | 2MP | 2MP | 2MP | 2MP |
| 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 | 1/2.8" 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 | 2M / 60fps | 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 : 0.16Lux 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 | Color : 0.015 lux B/W : 0Lux (IR LED On) |
| VIDEO | | | | | | | | |
| 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 |
| Lens | 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) | 4mm fixed (F1.4) |
| 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° (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° | H: 88.6° / V: 47.5° / D: 104.8° |
| 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 | - | - |
| 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 (150dB) | 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 |
| OPERATIONAL | | | | | | | | |
| 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 | 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, 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. 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) | DC 12V (Max. 8W) PoE (Max. 9W) |
| Dimensions (WxHxD) / Weight | Ø140.8 x 113.0mm (Ø5.54" x 4.45") 732g (1.61lb) | Ø110.0 x 90.0mm (Ø4.33" x 3.54") 380g (0.84lb) | 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) | Ø110.0 x 90.0mm (Ø4.33" x 3.54") 380g (0.84lb) |
| 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
XNV-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
XNV-6020R



New

WISENET X
XNP-6370RH

| | 5MP | 5MP | 2MP | 2MP | 2MP | 2MP | 2MP |
|-------------------------------------|--|--|--|--|--|--|---|
| Resolution | 5MP | 5MP | 2MP | 2MP | 2MP | 2MP | 2MP |
| 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 | 1/2.8" 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 | H.265, H.264, MJPEG |
| Resolution / Max. Frame Rate | 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 3 profiles) |
| Max. User Access | 20 (Unicast) | 20 (Unicast) | 20 (Unicast) | 20 (Unicast) | 20 (Unicast) | 20 (Unicast) | 15 (Unicast) |
| Min. Illumination | Color: 0.07Lux B/W: 0Lux (IR LED on) | Color: 0.16Lux 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: 0.015 lux B/W: 0Lux (IR LED On) | 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, 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) | 4mm fixed (F1.4) | 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: 88.6° / V: 47.5° / D: 104.8° | 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 |
| IR Viewable Length | 50m (164.04ft) | 30m (98.43ft) | - | 50m (164.04ft) | - | 30m (98.43ft) | 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° | 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) | True (ICR) |
| Backlight Compensation | WDR (120dB) | WDR (120dB) | WDR (150dB) | 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) | SSNRV (2D+3D noise filter) | SSNR (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, 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, 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, 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 | ONVIF profile S & G, SUNAPI |
| Alarm I/O | 1 / 1 | 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 | 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 |
| Environment Protection | IP67, IP66, NEMA 4X, IK10 | IP67, IP66, 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) | -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) | DC 12V (Max. 8W) PoE (Max. 9W) | 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") 615g (1.34lb) | 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) | Ø120.0 x 97.5mm (Ø4.72" x 3.84") 615g (1.36lb) | 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, 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

| | 12MP | 12MP | 12MP | 7.3MP | 12MP | 8MP |
|-------------------------------------|---|---|---|--|--|---|
| Resolution | 12MP | 12MP | 12MP | 7.3MP | 12MP | 8MP |
| 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 |
| VIDEO | | | | | | |
| 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) |
| 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

| | 4MP | 4MP | 2MP | 2MP | 4MP | 4MP | 2MP | 2MP |
|-------------------------------------|--|--|--|---|---|--|---|---|
| Resolution | 4MP | 4MP | 2MP | 2MP | 4MP | 4MP | 2MP | 2MP |
| 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 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 | - |
| 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 | - | - | - | - | - | - | - | - |
| 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

| | 4MP | 4MP | 2MP | 2MP | 2MP | 2MP | VGA |
|-------------------------------------|---|--|---|---|--|--|--|
| Resolution | 4MP | 4MP | 2MP | 2MP | 2MP | 2MP | VGA |
| Imaging Device | 1/3" 4M CMOS | 1/3" 4M CMOS | 1/2.9" 2.19M CMOS | 1/2.9" 2.19M CMOS | 1/2.8" 2.38M CMOS | 1/2.8" 2.38M CMOS | Uncooled FPA microbolometer, Pixel size: 17µm, Spectral range: 8 ~ 14µm |
| Video Compression Format | H.265, H.264, MJPEG | H.265, H.264, MJPEG | H.265, H.264, MJPEG | H.265, H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Resolution / Max. Frame Rate | 4M / 20fps, 2M / 30fps | 4M / 20fps, 2M / 30fps | 2M / 30fps | 2M / 30fps | 2M / 60fps | 2M / 60fps | VGA / 30fps |
| Streaming Capacity | Multiple (Up to 3 profiles) | Multiple (Up to 3 profiles) | Multiple (Up to 3 profiles) | Multiple (Up to 3 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 3 profiles) |
| Max. User Access | 6 (Unicast) | 6 (Unicast) | 6 (Unicast) | 6 (Unicast) | 10 (Unicast) | 10 (Unicast) | 10 (Unicast) |
| Min. Illumination | Color 0.15Lux B/W: 0Lux (IR LED on) | Color: 0.5Lux (QNV-7010R), 0.4Lux (QNV-7020R), 0.3Lux (QNV-7030R) B/W: 0Lux (IR LED on) | Color 0.095Lux B/W: 0Lux (IR LED on) | Color: 0.15Lux B/W: 0Lux (IR LED on) | Color 0.15Lux B/W: 0.015Lux | Color 0.15Lux B/W: 0.015Lux | - |
| Video Output | - | - | - | - | - | - | CVBS 1.0Vpp |
| Lens | 2.8 ~ 12mm (4.3x) Motorized V/F (F1.4) | 2.8mm fixed (F2.0) (QNV-7010R) 3.6mm fixed (F2.2) (QNV-7020R) 6mm fixed (F2.2) (QNV-7030R) | 2.8 ~ 12mm (4.3x) Manual V/F (F1.4) | 2.8mm fixed (F1.8) (QNV-6010R) 3.6mm fixed (F1.8) (QNV-6020R) 6mm fixed (F1.8) (QNV-6030R) | 4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele) | 4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele) | 37mm fixed (F1.1) |
| 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 | - |
| 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) |



WISENET P
PRN-4011



WISENET X
XRN-3010



WISENET X
XRN-2011



WISENET X
XRN-2010



WISENET X
XRN-1610S

| OS | Linux | Linux | Linux | Linux | Linux |
|--|---|---|--|--|--|
| Supported Compression | H.265, H.264, MJPEG, WiseStream | H.265, H.264, MJPEG, WiseStream | H.265, H.264, MJPEG, WiseStream | H.265, H.264, MJPEG, WiseStream | H.265, H.264, MJPEG, WiseStream |
| Max. Recording Bit Rate | 400Mbps | 300Mbps | 256Mbps (H.265 4MP 32cameras real-time recording) 100Mbps (RAID 5 mode) | 256Mbps (H.265 4MP 32cameras real-time recording) | 180Mbps |
| Max # of Cameras | 64 | 64 | 32 | 32 | 16 |
| Internal Storage | Up to 12 SATA (Max. 96TB) | Up to 8 SATA (Max. 48TB) | Up to 8 SATA (Hot swap) Max. 48TB (Non RAID), Max.36TB (RAID 5) | Up to 8 SATA (Max. 48TB) | Up to 4 SATA (Max. 24TB) |
| External Storage | iSCSI | 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 | <ul style="list-style-type: none"> • N+1 failover supported • ARB redundancy supported • WiseStream support • Defocus event trigger | <ul style="list-style-type: none"> • N+1 failover supported • ARB redundancy supported • WiseStream support • Defocus event trigger | <ul style="list-style-type: none"> • N+1 failover supported • ARB redundancy supported • WiseStream support | <ul style="list-style-type: none"> • N+1 failover supported • ARB redundancy supported • WiseStream support | <ul style="list-style-type: none"> • Plug & play by 16 PoE / PoE+ ports • Webviewer supported • ARB redundancy supported • WiseStream support • Defocus event trigger |



WISENET X
XRN-1610



WISENET X
XRN-810S



WISENET X
XRN-410S



WISENET Q
QRN-810



WISENET Q
QRN-410

| OS | Linux | Linux | Linux | Linux | Linux |
|--|--|---|--|--|---|
| Supported Compression | H.265, H.264, MJPEG, WiseStream | H.265, H.264, MJPEG, WiseStream | H.265, H.264, MJPEG, WiseStream | H.265, H.264, MJPEG, 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 | <ul style="list-style-type: none"> • Webviewer supported • WiseStream support • Defocus event trigger | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Defocus event trigger • ARB supported • Easy configuration (Setup Wizard, P2P (QR code)) • Event push to smart phone • Transmission bandwidth 128Mbps • Defocus event trigger | <ul style="list-style-type: none"> • 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



WISENET III
SNB-7004



WISENET III
SNB-6011B



WISENET III
SNB-6010B



WISENET III
SNB-6005



WISENET III
SNB-6004



WISENET III
SNB-6004F

| | 4K UHD & 12MP | 3MP | 2MP | 2MP | 2MP | 2MP | 2MP |
|-------------------------------------|--|--|---|---|--|--|--|
| Resolution | 4K UHD & 12MP | 3MP | 2MP | 2MP | 2MP | 2MP | 2MP |
| Imaging Device | 1/2.3" 12M 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 |
| Resolution / Max. Frame Rate | 8M / 30fps, 12M / 20fps | 3M / 30fps | 2M / 30fps | 2M / 30fps | 2M / 60fps | 2M / 60fps | 2M / 60fps |
| Streaming Capacity | 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) | Multiple (Up to 10 profiles) |
| Max. User Access | 15 (Unicast) | 15 (Unicast) | 15 (Unicast) | 15 (Unicast) | 15 (Unicast) | 15 (Unicast) | 15 (Unicast) |
| Min. Illumination | Color : 0.28Lux B/W : 0.03Lux | 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 |
| 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° | - | - | - |
| Focus Control | 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) | Electrical | Electrical | True (ICR) | True (ICR) | True (ICR) |
| Backlight Compensation | BLC / HLC | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) |
| Digital Noise Reduction | 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) | 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, 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 |
| Alarm I/O | 2 / 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 |
| Edge Storage | micro SD/SDHC/SDXC | 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) | -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. 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 147.8mm (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, 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



WISENET III
SNO-7084R



WISENET III
SNO-6084R



WISENET III
SNO-6011R

| | 2MP | 1.3MP | 1.3MP | 2MP | 3MP | 2MP | 2MP |
|--|--|--|--|--|---|---|---|
| Resolution | 2MP | 1.3MP | 1.3MP | 2MP | 3MP | 2MP | 2MP |
| Imaging Device | 1/2.8" 2.38M CMOS | 1/3" 1.3M CMOS | 1/3" 1.3M CMOS | 1/2.8" 2.38M CMOS | 1/2.8" 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 |
| Resolution / Max. Frame Rate | 2M / 60fps | 1.3M / 60fps | 1.3M / 60fps | 2M / 60fps | 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 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) |
| Max. User Access | 15 (Unicast) | 15 (Unicast) | 15 (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 : 0.06Lux 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 |
| Lens | - | - | - | 4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele) | 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 : 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 | Manual |
| IR Viewable Length | - | - | - | - | 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) |
| Backlight Compensation | WDR (120dB) | WDR (130dB) | WDR (130dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (120dB, 15fps) |
| Digital Noise Reduction | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) |
| Digital Image Stabilization | Support | Support | Support | Support | Support | Support | Support |
| Intelligent Video Analytics | Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection | Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection | Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection | Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection | 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 with metadata |
| 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 |
| Alarm I/O | 1 / 1 | 1 / 1 | 1 / 1 | 1 / 1 (Relay) | 1 / 1 | 1 / 1 | 1 / 0 |
| Audio | 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 | micro SD/SDHC/SDXC, NAS | micro SD/SDHC/SDXC, NAS | micro SD/SDHC/SDXC |
| Environment Protection | - | - | - | - | 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) | 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. 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 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 | P-Iris, Defog | P-Iris, Defog | Defog |

NETWORK



WISENET Lite
SNO-L6083R



WISENET Lite
SNO-L6013R



WISENET Lite
SNO-L5083R



SNF-8010/8010VM



WISENET III
SND-7084



WISENET III
SND-6084



WISENET III
SND-6083

| | 2MP | 2MP | 1.3MP | 5MP | 3MP | 2MP | 2MP |
|-------------------------------------|---|---|--|--|--|--|--|
| Resolution | 2MP | 2MP | 1.3MP | 5MP | 3MP | 2MP | 2MP |
| Imaging Device | 1/2.9" 2.19M CMOS | 1/2.9" 2.19M 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 |
| Resolution / Max. Frame Rate | 2M / 30fps | 2M / 30fps | 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 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) | 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 : 0.04Lux B/W : 0Lux (IR LED on) | Color : 0.2Lux B/W : 0.002Lux | Color : 0.06Lux B/W : 0.006Lux | Color : 0.03Lux B/W : 0.002Lux | Color : 0.03Lux B/W : 0.03Lux |
| VIDEO | | | | | | | |
| Video Output | - | - | - | CVBS 1.0Vpp | 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) | 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 : 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 | - | 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) | 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) | Electrical |
| Backlight Compensation | BLC, DWDR | BLC, DWDR | BLC, DWDR | WDR (60dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) |
| Digital Noise Reduction | SSNR | SSNR | SSNR | 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 |
| Intelligent Video Analytics | Motion detection with metadata, Tampering | Motion detection with metadata, Tampering | 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 & 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 |
| Audio | Uni-directional | Uni-directional | Uni-directional | Bi-directional | Bi-directional | Bi-directional | Bi-directional |
| Edge Storage | micro SD/SDHC, NAS | micro SD/SDHC, 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 | 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) *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) | 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) | 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 | Lens Distortion Correction, Hallway view | Various viewing compositions, M12 connector (SNF-8010VM) | P-Iris, Defog | P-Iris, Defog | Defog |

NETWORK



WISENET Lite
SND-L6013



WISENET Lite
SND-L6012



WISENET III
SND-5084



WISENET III
SND-5083



WISENET III
SND-7084R



WISENET III
SND-6084R



WISENET III
SND-6011R

| | 2MP | 2MP | 1.3MP | 1.3MP | 3MP | 2MP | 2MP |
|-------------------------------------|---|---|---|---|---|---|---|
| Resolution | 2MP | 2MP | 1.3MP | 1.3MP | 3MP | 2MP | 2MP |
| Imaging Device | 1/2.9" 2.19M CMOS | 1/2.9" 2.19M CMOS | 1/3" 1.3M CMOS | 1/3" 1.3M CMOS | 1/2.8" 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 |
| Resolution / Max. Frame Rate | 2M / 30fps | 2M / 30fps | 1.3M / 60fps | 1.3M / 60fps | 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 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) |
| Max. User Access | 6 (Unicast) | 6 (Unicast) | 15 (Unicast) | 15 (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: 0.06Lux 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 ~ 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: 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 | - |
| 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° ~ 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) | True (ICR) | True (ICR) | True (ICR) |
| Backlight Compensation | BLC, DWR | BLC, DWR | WDR (130dB) | WDR (130dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) |
| Digital Noise Reduction | SSNR | SSNR | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) |
| Digital Image Stabilization | - | - | Support | Support | Support | Support | Support |
| 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 | 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 & G, SUNAPI | 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 | 1 / 1 | 1 / 1 | 1 / 1 | 1 / 0 |
| Audio | Uni-directional | Uni-directional | Bi-directional | Bi-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/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) |
| 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) | 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) | 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 | P-Iris, Defog | P-Iris, Defog | Defog |



WISeNET Lite
SND-L6083R



WISeNET Lite
SND-L6013R



SNV-8080



WISeNET III
SNV-7084



WISeNET III
SNV-6084



WISeNET III
SNV-6013

| Resolution | 2MP | 2MP | 5MP | 3MP | 2MP | 2MP |
|-------------------------------------|--|---|--|---|---|---|
| Imaging Device | 1/2.9" 2.19M CMOS | 1/2.9" 2.19M 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 |
| Resolution / Max. Frame Rate | 2M / 30fps | 2M / 30fps | 5M / 20fps | 3M / 30fps | 2M / 60fps | 2M / 60fps |
| Streaming Capacity | Multiple (Up to 3 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) | 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: 0.1Lux 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 | | | | | | |
| 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 |
| Lens | 2.8 ~ 12mm (4.3x) V/F (F1.4) | 3.6mm fixed (F1.8) | 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) |
| 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: 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 / Manual | Simple focus (Motorized V/F) / Manual | Simple focus (Motorized V/F) / Manual | - |
| OPERATIONAL | | | | | | |
| IR Viewable Length | 15m (49.21ft) | 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° ~ 354° / 0° ~ 67° / 0° ~ 355° | 0° ~ 354° / 0° ~ 67° / 0° ~ 355° | - |
| Day & Night | True (ICR) | True (ICR) | True (ICR) | True (ICR) | True (ICR) | Electrical |
| Backlight Compensation | BLC, DWDR | BLC, DWDR | BLC | WDR (120dB) | WDR (120dB) | WDR (120dB) |
| Digital Noise Reduction | SSNR | 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 |
| Intelligent Video Analytics | Motion detection with metadata, Tampering | 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 |
| 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, SUNAPI, Open platform | ONVIF profile S, SUNAPI, Open platform |
| Alarm I/O | - | - | 1 / 1 | 1 / 1 | 1 / 1 | - |
| Audio | Uni-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/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) | -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) | 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) | 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 | P-Iris, Defog | Defog |

NETWORK



WISENET III
SNV-6012M



WISENET III
SNV-5084



WISENET III
SNV-7084R



WISENET III
SNV-6085R



WISENET III
SNV-6084R



WISENET Lite
SNV-L6083R



WISENET Lite
SNV-L6013R

| | 2MP | 1.3MP | 3MP | 2MP | 2MP | 2MP | 2MP |
|--|--|--|---|--|---|---|---|
| Resolution | 2MP | 1.3MP | 3MP | 2MP | 2MP | 2MP | 2MP |
| Imaging Device | 1/2.8" 2.38M CMOS | 1/3" 1.3M 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.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Resolution / Max. Frame Rate | 2M / 60fps | 1.3M / 60fps | 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 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) | 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 : 0.06Lux 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 | | | | | | | |
| 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 | 3mm fixed (F2.0) | 3 ~ 8.5mm (2.8x) Motorized V/F (F1.2) | 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) |
| 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: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 | Manual | - |
| IR Viewable Length | - | - | 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° ~ 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) |
| Backlight Compensation | WDR (120dB) | WDR (130dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) | BLC, DWDR | BLC, DWDR |
| Digital Noise Reduction | 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) | SSNR | SSNR |
| Digital Image Stabilization | Support | Support | Support | Support | Support | - | - |
| Intelligent Video Analytics | Tampering, Virtual line, Enter / Exit, (Dis)Appear, 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 | Motion detection with metadata, Tampering | Motion detection with metadata, Tampering |
| OPERATIONAL | | | | | | | |
| 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 & G, SUNAPI | ONVIF profile S, SUNAPI |
| Alarm I/O | - | 1 / 1 | 1 / 1 | 1 / 1 | 1 / 1 | - | - |
| Audio | - | Bi-directional | Bi-directional | Bi-directional | Bi-directional | Uni-directional | Uni-directional |
| Edge Storage | SD/SDHC/SDXC, NAS | SD/SDHC/SDXC, NAS | 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 |
| FEATURES | | | | | | | |
| 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) | 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, 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") 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 | 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
SNP-6321H



WISENET III
SNP-6321



WISENET III plus
SNP-6320H



WISENET III plus
SNP-6320



WISENET Lite
SNP-L6233H

| Resolution | 2MP | 2MP | 2MP | 2MP | 2MP | 2MP |
|------------------------------|---|--|---|--|---|--|
| VIDEO | | | | | | |
| Imaging Device | 1/2.9" 2.19M 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 |
| Resolution / Max. Frame Rate | 2M / 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 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) |
| Max. User Access | 6 (Unicast) | 10 (Unicast) | 10 (Unicast) | 15 (Unicast) | 15 (Unicast) | 10 (Unicast) |
| Min. Illumination | Color : 0.15Lux B/W : 0Lux (IR LED on) | Color : 0.15Lux 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 | CVBS 1.0Vpp | CVBS 1.0Vpp | CVBS 1.0Vpp | CVBS 1.0Vpp |
| Lens | 3.6mm fixed (F1.8) | 4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele) | 4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele) | 4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele) | 4.44 ~ 142.6mm (Optical 32x) F1.6(Wide) / F4.4(Tele) | 4.44 ~ 102.1mm (Optical 23x) |
| Angular Field of View | H : 86.5° / V : 47.8° / D : 101.2° | H : 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 | - | Auto / Manual / One push | Auto / Manual / One push | Auto / Manual / One push | Auto / Manual / One push | Auto / Manual / One push |
| OPERATIONAL | | | | | | |
| IR Viewable Length | 15m (49.21ft) | - | - | - | - | - |
| Pan / Tilt / Rotate | -5° ~ 5° / 0° ~ 67° / 90° | 360° Endless / 210° (-15° ~ 195°) / - | 360° Endless / 210° (-15° ~ 195°) / - | 360° Endless / 210° (-15° ~ 195°) / - | 360° Endless / 210° (-15° ~ 195°) / - | 360° Endless / 210° (-15° ~ 195°) / - |
| Day & Night | True (ICR) | True (ICR) | True (ICR) | True (ICR) | True (ICR) | True (ICR) |
| Backlight Compensation | BLC, DWDR | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (100dB) |
| Digital Noise Reduction | 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 |
| Intelligent Video Analytics | 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, SUNAPI, Open platform | ONVIF profile S, SUNAPI, Open platform | ONVIF profile S, SUNAPI, Open platform | ONVIF profile S, SUNAPI, Open platform |
| Alarm I/O | - | 4 / 2 (Relay) | 4 / 2 (Relay) | 4 / 2 (Relay) | 4 / 2 (Relay) | 4 / 2 (Relay) |
| Audio | Uni-directional | Bi-directional | Bi-directional | Bi-directional | Bi-directional | Bi-directional |
| Edge Storage | 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 | 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) | 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 (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) | 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 | 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 plus
SNP-5430H/5430



WISENET III plus
SNP-6320RH



WISENET III plus
SNP-6230RH



WISENET Lite
SNP-L6233RH

| | 2MP | 1.3MP | 2MP | 2MP | 2MP |
|--|--|---|--|--|--|
| Resolution | 2MP | 1.3MP | 2MP | 2MP | 2MP |
| Imaging Device | 1/2.8" 2.38M CMOS | 1/4" 1.3M CMOS | 1/2.8" 2.38M CMOS | 1/2.8" 2.38M CMOS | 1/2.8" 2.38M CMOS |
| Video Compression Format | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Resolution / Max. Frame Rate | 2M / 30fps | 1.3M / 60fps | 2M / 60fps | 2M / 60fps | 2M / 30fps |
| Streaming Capacity | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) | Multiple (Up to 10 profiles) |
| Max. User Access | 10 (Unicast) | 15 (Unicast) | 15 (Unicast) | 15 (Unicast) | 15 (Unicast) |
| Min. Illumination | Color : 0.15Lux B/W : 0.015Lux | Color : 0.3Lux B/W : 0.006Lux | Color : 0.1Lux B/W : 0Lux (IR LED on) | Color : 0.1Lux B/W : 0Lux (IR LED on) | Color : 0.1Lux B/W : 0Lux (IR LED on) |
| Video Output | CVBS 1.0Vpp | CVBS 1.0Vpp | CVBS 1.0Vpp | CVBS 1.0Vpp | CVBS 1.0Vpp |
| Lens | 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) / F 4.5(Tele) | 4.4 ~ 101.2mm (IR corrected optical 23x) F1.6(Wide) / F 4.5(Tele) |
| Angular Field of View | H : 62.8°(Wide) ~ 3.14°(Tele) / V : 36.8°(Wide) ~ 1.76°(Tele) | H : 53.92°(Wide) ~ 1.396°(Tele) / V : 44.08°(Wide) ~ 1.12°(Tele) | H : 63.68°(Wide) ~ 2.24°(Tele) / V : 37.52°(Wide) ~ 1.28°(Tele) | H : 63.68°(Wide) ~ 3.1°(Tele) / V : 37.52°(Wide) ~ 1.76°(Tele) | H : 63.68°(Wide) ~ 3.1°(Tele) / V : 37.52°(Wide) ~ 1.76°(Tele) |
| Focus Control | Auto / Manual / One push | Auto / Manual / One push | AF / One-shot AF / Manual | AF / One-shot AF / Manual | AF / One-shot AF / Manual |
| IR Viewable Length | - | - | 150m (492.13ft) | 100m (328.08ft) | 100m (328.08ft) |
| Pan / Tilt / Rotate | 360° Endless / 210° (-15° ~ 195°) / - | 360° Endless / 210° (-15° ~ 195°) / - | 360° Endless / 190° (-5° ~ 185°) / - | 360° Endless / 190° (-5° ~ 185°) / - | 360° Endless / 190° (-5° ~ 185°) / - |
| Day & Night | True (ICR) | True (ICR) | True (ICR) | True (ICR) | True (ICR) |
| Backlight Compensation | WDR (100dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (100dB) |
| Digital Noise Reduction | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNRIII (2D+3D noise filter) | SSNR |
| Digital Image Stabilization | 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 |
| 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 |
| Alarm I/O | 4 / 2 (Relay) | 4 / 2 (Relay) | 4 / 3 (Relay) | 4 / 3 (Relay) | 4 / 3 (Relay) |
| Audio | Bi-directional | Bi-directional | Bi-directional | Bi-directional | Bi-directional |
| Edge Storage | SD/SDHC/SDXC, NAS | SD/SDHC/SDXC (SNP-5430H) micro SD/SDHC/SDXC (SNP-5430), NAS | SD/SDHC/SDXC, NAS, Local PC | SD/SDHC/SDXC, NAS, Local PC | SD/SDHC/SDXC, NAS, Local PC |
| Environment Protection | IK10 (With SHP-3701H) | IP66, IK10 (SNP-5430H), IK10 (With SHP-3701H) (SNP-5430) | IP66, IK10 | IP66, IK10 | IP66, IK10 |
| Operating Temperature | -10°C ~ +55°C (+14°F ~ +131°F) | AC 24V : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F) (SNP-5430H), -10°C ~ +55°C (+14°F ~ +131°F) (SNP-5430) | -50°C ~ +55°C (-58°F ~ +131°F) | -50°C ~ +55°C (-58°F ~ +131°F) | -50°C ~ +55°C (-58°F ~ +131°F) |
| Power | AC 24V, PoE+ (Max. 20.0W) | AC 24V, PoE+ (Max. 24.0W), AC 24V (Max. 65.0W - Heater on) (SNP-5430H), AC 24V, PoE+ (Max. 20.0W) (SNP-5430) | AC 24V (Max. 30.0W - heater off Max. 35.0W/90.0W - heater off/on, IR on) | AC 24V (Max. 30.0W - heater off Max. 35.0W/90.0W - heater off/on, IR on) | AC 24V (Max. 30.0W - heater off Max. 35.0W/90.0W - heater off/on, IR on) |
| Dimensions (WxHxD) / Weight | Ø152.0 x 218.0mm (Ø5.98" x 8.58") 1.8Kg (3.97 lb) | Ø223.4 x 293.6mm (Ø8.8" x 11.56") 3.4Kg (7.5 lb) (SNP-5430H), Ø152.0 x 218.0mm (Ø5.98" x 8.58") 2.2Kg (4.85 lb) (SNP-5430) | Ø248.0 x 399.5mm (Ø9.76" x 15.73") 7.1Kg (15.65 lb) | Ø248.0 x 399.5mm (Ø9.76" x 15.73") 7.1Kg (15.65 lb) | Ø248.0 x 399.5mm (Ø9.76" x 15.73") 7.1Kg (15.65 lb) |
| Additional Features | RS-485, Defog | Auto tracking, RS-485, Defog | Auto tracking, RS-485/422, Defog | Auto tracking, RS-485/422, Defog | RS-485/422, Defog |



SRN-4000



SRN-1673S



SRN-873S

| | 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 | <ul style="list-style-type: none"> Redundant hot swap power supply Built-in intelligent video analysis (Heatmap, Video summary, Object classification) Webviewer supported | <ul style="list-style-type: none"> Plug & play by 16 PoE / PoE+ ports Webviewer supported HDD removable (Easy install) | <ul style="list-style-type: none"> Plug & play by 8 PoE / PoE+ ports Webviewer supported |



SRN-473S



SRM-872

| | SRN-473S | SRM-872 |
|--|--|---|
| OS | Linux | Linux |
| Supported Compression | H.264, MJPEG | H.264, MJPEG |
| Max. Recording Bit Rate | 32Mbps | 64Mbps |
| Max # of Cameras | 4 | 8 |
| Internal Storage | Up to 1 SATA | Up to 1 SATA (2.5") |
| External Storage | - | - |
| RAID | - | - |
| Hot Swap | - | Yes |
| Isolated Networks for Cameras / Source | Yes | Yes |
| Network Viewer Software | SSM, SmartViewer, IPOLIS mobile | SmartViewer AUTO, IPOLIS mobile AUTO |
| Local Monitor | HDMI / VGA | HDMI / VGA |
| Camera Support | Samsung, ONVIF | Samsung, ONVIF |
| Features | <ul style="list-style-type: none"> Plug & play by 4 PoE / PoE+ ports Webviewer supported | <ul style="list-style-type: none"> Plug & play by 8 PoE ports GPS supported Standards approval for transportation (EN50155, EN61373) |



The world's most reliable surveillance storage system

- Network-attached sequential storage system
- Massive 120TB capacity uses only 60 watts in 3U format
- Designed specifically for IP surveillance storage
- Incorporates LAID and SFS for long disk life & reliability
- No data loss on disk failure and no rebuild required
- Uses most makes and models of SATA, effective capacity dependent on model
- Simple and straight-forward end-user disk management
- Instant evidence seizure by disk removal at any time

COLDSTORE Compact is a unique sequential surveillance storage array with a small footprint and low power

Compact delivers Veracity's award-winning COLDSTORE™ technology in a much smaller, even lower-power package. A long useful life with extended disk reliability makes COLDSTORE Compact ideal for multiple unattended sites, especially when combined with TRINITY™.

Network-attached sequential storage system

- Designed specifically for IP video surveillance storage
- Incorporates LAID and SFS for long disk life & reliability
- Up to 32TB in eight x 2.5" disk bays (SSD compatible)
- Exceptionally low power consumption – only 16 watts
- No data loss on disk failure and no rebuilds required
- Compact, wall-mountable, attractive aluminium chassis



NETWORK

Encoder / Decoder



SPE-400



SPE-101



SPE-100



SPD-400

| | | | |
|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Max. # of Cameras | 4 | 1 | 1 |
| Supported Compression | 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) |
| Max. Frame Rate per Channel | 30/25fps (NTSC / PAL) | 30/25fps (NTSC / PAL) | 30/25fps (NTSC / PAL) |
| Bi-Directional Audio | Yes | - | Yes |
| RS-485 | 4 | 1 | 1 |
| Alarm I/O | 4 / 4 | - | 1 / 1 |
| SD Card | SD/SDHC | - | SD/SDHC |
| ONVIF | Yes | Yes | Yes |
| Power | DC 12V | DC 12V / PoE | DC 12V / PoE |

| | |
|-----------------------|---|
| 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 |

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.

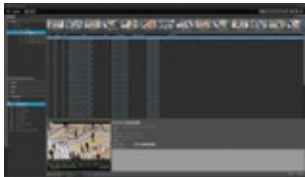
SSM Clients



Live Monitoring



Playback



Event Management

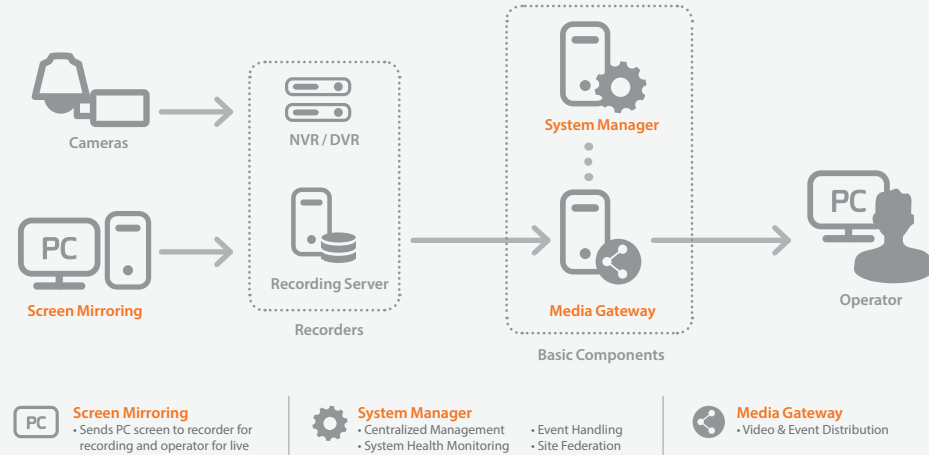


Video Wall Control

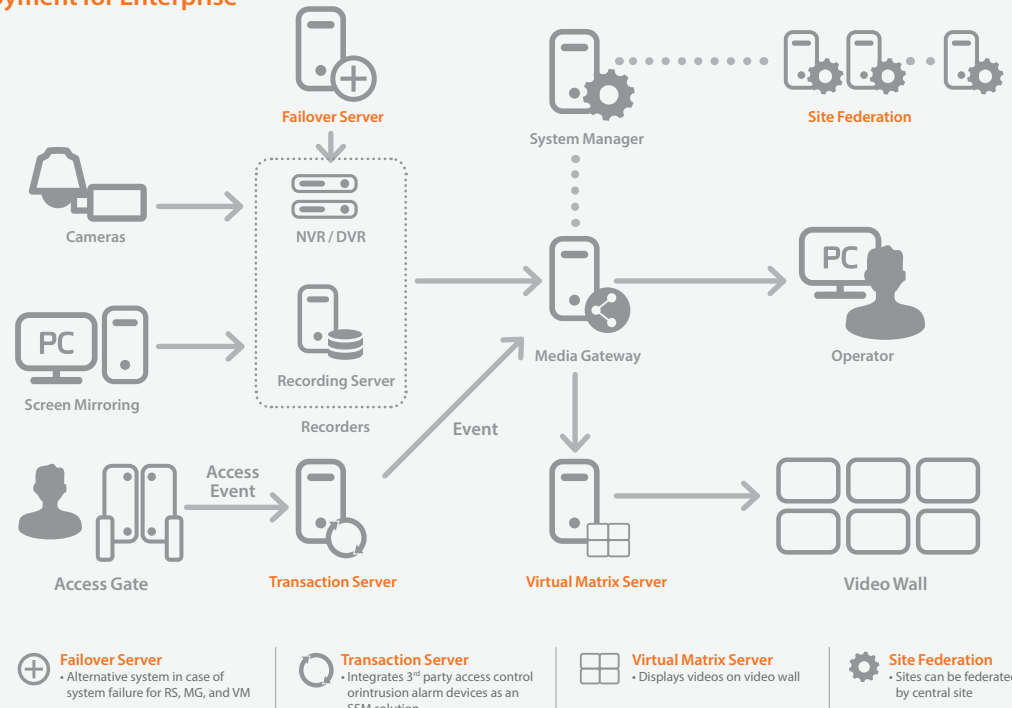
SSM Server Components and Main Features

| 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 |
| Features | Failover Server | - | Yes |
| | Live Monitoring | Yes | 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





New

**WISENET HD+
HCB-6001**



New

**WISENET HD+
HCB-6000**



New

**WISENET HD+
HCO-6080R**



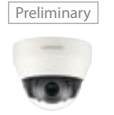
New

**WISENET HD+
HCO-6070R**



New

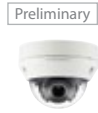
**WISENET HD+
HCD-6080R**



New

**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) |



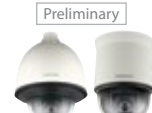
WISENET HD+
HCV-6080R



WISENET HD+
HCV-6070R



WISENET HD+
HCM-9020VQ



WISENET HD+
HCP-6320HA/6320A

| TV Lines / Resolutions | 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 |
| Horizontal Resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| Min. Illumination | Color : 0.11Lux B/W : 0Lux (IR LED on) | Color : 0.1Lux B/W : 0Lux (IR LED on) | Color : 0.06Lux 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) |
| 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) |
| Pan / Tilt / Rotate | 0° ~ 350° / 0° ~ 67° / 0° ~ 355° | 0° ~ 350° / 0° ~ 67° / 0° ~ 355° | - / 0° ~ 60° / 0° ~ 360° | 360° Endless / 210° (-15° ~ 195°) / - |
| OPERATIONAL | | | | |
| Day & Night | True (ICR) | True (ICR) | True (ICR) | True (ICR) |
| Backlight Compensation | WDR (120dB) | WDR (120dB) | WDR (120dB) | WDR (120dB) |
| Digital Noise Reduction | SSNRIV | SSNRIV | Off / Low / Middle / High | SSNRIII |
| Motion Detection | Support | Support | Support | Support |
| Privacy Masking | 4 zones | 4 zones | Box x 16, Polygonal x 8 | 32 zones |
| Intelligent Video Analytics | - | - | - | Tampering, Virtual line, Enter / Exit, (Dis)Appear, |
| FEATURES | | | | |
| Alarm I/O | MD output 1 | MD output 1 | 0 / 4 | 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 |
| Environment Protection | IP66, IK10 | IP66, IK10 | IP66, IK10 | 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-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-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-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 |



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

| | 2MP | 2MP | 2MP | 2MP | 2MP | 2MP | 2MP |
|-----------------------------|---|--|--|--|--|--|--|
| VIDEO | | | | | | | |
| TV Lines / Resolutions | 2MP | 2MP | 2MP | 2MP | 2MP | 2MP | 2MP |
| 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 sunshield) 208g (0.46 lb) | Ø119.8 x 98.8mm (Ø4.72" x 3.89") 304g (0.67 lb) | Ø110.0 x 86.0mm (Ø4.33" x 3.39") 242g (0.53 lb) | Ø137.0 x 106.1mm (Ø5.39" x 4.18") 716g (1.58 lb) | 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-1684

WISENET HD+
HRD-842

WISENET HD+
SRD-894

WISENET HD+
SRD-494

| Channel | 16CH | 16CH | 16CH/8CH/4CH | 8CH | 8CH | 4CH |
|--------------------------------|--------------------------------|--|---|--|--|--|
| OS | Linux | Linux | Linux | Linux | Linux | Linux |
| Live | | | | | | |
| Frame Rate (NTSC / PAL) | 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 | 240fps@1920 x 1080 (SRD-1684/893) 120fps@1920 x 1080 (SRD-493) | 240fps@1920 x 1080 120fps@2560 x 1440 | 120fps@1920 x 1080 |
| | Max. Record Rate / PAL | 400fps@1920 x 1080 200fps@2560 x 1440 | 400fps@1920 x 1080 | 200fps@1920 x 1080 (SRD-1684/893) 100fps@1920 x 1080 (SRD-493) | 200fps@1920 x 1080 100fps@2560 x 1440 | 100fps@1920 x 1080 |
| | Compression | H.264, WiseStream | H.264 | H.264 | H.264, WiseStream | H.264 |
| Video | | | | | | |
| Inputs | 16CH, AHD, TVI, CVI, 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) | 1CH | 8CH (Built-in 4CH) | 8CH (Built-in 4CH) | 4CH |
| Storage | Internal HDD | Up to 8 SATA HDDs | Up to 8 SATA HDDs | 1 SATA HDD | 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 |
| Monitors | VGA | Yes | Yes | Yes | Yes | Yes |
| | HDMI | Yes | Yes | Yes | Yes | Yes |
| | Spot Composite | 1CH (BNC) | 1CH (Digital) | - | 1CH (BNC) | 2CH (Digital) |
| Connections | USB | 2 ports | 2 ports | 2 ports | 2 ports | 2 ports |
| | e-SATA | 1 External SATA port | 2 External SATA ports | - | 1 External SATA port | 2 External SATA ports |
| | Mouse | 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 |
| | Transmission | 4MP, 1080p, 720p, 4CIF, 2CIF, CIF | 1080p, 720p, 4CIF, 2CIF, CIF | 4CIF, 2CIF, CIF | 4MP, 1080p, 720p, 4CIF, 2CIF, CIF | 1080p, 720p, 4CIF, 2CIF, CIF |
| | Monitoring | SmartViewer, Webviewer, SSM | SmartViewer, Webviewer, SSM | SmartViewer, Webviewer, Mobile viewer, SSM | SmartViewer, Webviewer, SSM | SmartViewer, Webviewer, SSM |
| PTZ Control | Coax Protocol | NTSC/PAL : Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol) | NTSC/PAL, 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, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol) |
| | RS-485 Protocol | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, VICON, GE | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE | Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE |

• Option : Audio extension cable

ANALOG



BEYOND
SCB-5000



BEYOND
SCO-5083R



BEYOND
SCO-5081R



BEYOND
SCD-5083



BEYOND
SCD-5080

| | 1000TVL | 1000TVL | 1000TVL | 1000TVL | 1000TVL |
|-----------------------------|---|--|--|--|--|
| VIDEO | | | | | |
| TV Lines | 1000TVL | 1000TVL | 1000TVL | 1000TVL | 1000TVL |
| Imaging Device | 1/3" 1.3M CMOS | 1/3" 1.3M CMOS | 1/3" 2M 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 |
| Min. Illumination | 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 |
| 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) |
| 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) |
| Pan / Tilt / Rotate | - | - | - | 0° ~ 354° / 0° ~ 68° / 0° ~ 355° | 0° ~ 354° / 0° ~ 68° / 0° ~ 355° |
| OPERATIONAL | | | | | |
| Day & Night | Electrical | True (ICR) | True (ICR) | True (ICR) | Electrical |
| Backlight Compensation | BLC / HLC | WDR (120dB) | BLC / HLC | WDR (120dB) | BLC / HLC |
| Digital Noise Reduction | SSNRIV | SSNRIV | SSNRIV | SSNRIV | SSNRIV |
| Motion Detection | 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) |
| Intelligent Video Analytics | - | Fence, (Dis)Appear, Counting | Fence, (Dis)Appear, Counting | Fence, (Dis)Appear, Counting | - |
| FEATURES | | | | | |
| Alarm I/O | - | 0 / 1 | 0 / 1 | 0 / 1 | - |
| Communication | Coax : Pelco-C (Coaxitron) | Coax : Pelco-C (Coaxitron), RS-485 | Coax : Pelco-C (Coaxitron), RS-485 | Coax : Pelco-C (Coaxitron) | Coax : Pelco-C (Coaxitron) |
| Environment Protection | - | 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) |
| Power | 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. 3.5W) |
| Dimensions (WxHxD) / Weight | 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 1lb) | Ø78.0 x 272.8mm (3.07" x 10.74") (Without sun shield) 1.5Kg (3.3 1lb) | Ø119.8 x 101.8mm (Ø4.72" x 4.01") 535g (1.18 lb) | Ø119.8 x 101.8mm (Ø4.72" x 4.01") 520g (1.15 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 |



BEYOND
SCD-5020



BEYOND
SCD-5083R



BEYOND
SCD-5081R



BEYOND
SCV-5083R

| | 1000TVL | 1000TVL | 1000TVL | 1000TVL |
|--------------------------------|---|--|--|--|
| VIDEO | | | | |
| TV Lines | 1000TVL | 1000TVL | 1000TVL | 1000TVL |
| Imaging Device | 1/3" 1.3M CMOS | 1/3" 1.3M CMOS | 1/3" 2M CMOS | 1/3" 1.3M CMOS |
| Horizontal Resolution | Color : 1000TV lines | Color : 1000TV lines | Color : 1000TV lines | Color : 1000TV lines |
| Min. Illumination | Color : 0.05Lux | Color : 0.02Lux B/W : 0Lux (IR LED on) | Color : 0.02Lux B/W : 0Lux (IR LED on) | Color : 0.02Lux B/W : 0Lux (IR LED on) |
| Lens | 3.6mm fixed (F1.8) | 3 ~ 10mm (3.3x) V/F (F1.4) | 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 : 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 : 82.0°(Wide) ~ 26.5°(Tele) / V : 59.7°(Wide) ~ 19.9°(Tele) |
| Pan / Tilt / Rotate | 0° ~ 352° / 0° ~ 75° / 0° ~ 348° | 0° ~ 354° / 0° ~ 68° / 0° ~ 355° | 0° ~ 354° / 0° ~ 68° / 0° ~ 355° | 0° ~ 354° / 0° ~ 68° / 0° ~ 355° |
| OPERATIONAL | | | | |
| Day & Night | Electrical | True (ICR) | True (ICR) | True (ICR) |
| Backlight Compensation | BLC / HLC | WDR (120dB) | BLC / HLC | WDR (120dB) |
| Digital Noise Reduction | SSNRIV | SSNRIV | SSNRIV | SSNRIV |
| Motion Detection | 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) |
| Intelligent Video Analytics | - | Fence, (Dis)Appear, Counting | Fence, (Dis)Appear, Counting | Fence, (Dis)Appear, Counting |
| FEATURES | | | | |
| Alarm I/O | - | 0 / 1 | 0 / 1 | 0 / 1 |
| Communication | Coax : Pelco-C (Coaxitron) | Coax : Pelco-C (Coaxitron) | Coax : Pelco-C (Coaxitron) | Coax : Pelco-C (Coaxitron) |
| Environment Protection | - | - | - | 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) | -30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F) |
| Power | DC 12V (Max. 2.8W) | AC 24V & DC 12V (Max. 6.0W) | AC 24V & DC 12V (Max. 6.0W) | AC 24V & DC 12V (Max. 6.0W) |
| Dimensions (WxHxD) / Weight | 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") 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 |



BEYOND
SCV-5081R



WV
SCP-2370RH

| | 1000TVL | 600TVL |
|--------------------------------|---|--|
| VIDEO | | |
| TV Lines | 1000TVL | 600TVL |
| Imaging Device | 1/3" 2M CMOS | 1/4" Super HAD CCD II |
| Horizontal Resolution | Color: 1000TV lines | Color: 600TV lines |
| Min. Illumination | Color: 0.02Lux B/W: 0Lux (IR LED on) | * Color: 0.2Lux B/W: 0Lux (IR LED on) |
| Lens | 3 ~ 10mm (3.3x) V/F (F1.4) | 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: 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) |
| Backlight Compensation | BLC / HLC | BLC / HLC |
| Digital Noise Reduction | SSNRIV | SSNRIII |
| Motion Detection | Support | Support |
| Privacy Masking | 24 zones (4 points polygonal masking) | 8 zones |
| Intelligent Video Analytics | Fence, (Dis)Appear, Counting | - |
| FEATURES | | |
| Alarm I/O | 0 / 1 | 8 / 3 |
| Communication | Coax: Pelco-C (Coaxitron) | 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) | -50°C ~ +55°C (-58°F ~ +131°F) |
| Power | AC 24V & DC 12V (Max. 6.0W) | 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) | Ø248.0 x 399.5mm (Ø9.76" x 15.73") 6Kg (13.23 lb) |
| Additional Features | Digital image stabilization, Defog, Tampering | Digital image stabilization |

* Min. Illumination (50 IRE)

ANALOG

DVR



BEYOND
SRD-1676D



BEYOND
SRD-1656D



BEYOND
SRD-876D

| Channel | | 16CH | 16CH | 8CH |
|---------------------|-------------------------|---|---|---|
| OS | Embedded | Linux | Linux | Linux |
| Live | Frame Rate (NTSC / PAL) | 480fps / 400fps | 480fps / 400fps | 240fps / 200fps |
| | Max. Record Rate / NTSC | 480fps@1280 x 480 | 120fps@1280 x 480 | 240fps@1280 x 480 |
| Recording | Max. Record Rate / PAL | 400fps@1280 x 576 | 100fps@1280 x 576 | 200fps@1280 x 576 |
| | Compression | H.264 | H.264 | H.264 |
| Video | Inputs | 16CH | 16CH | 8CH |
| | Loop Outputs | Yes | Yes | Yes |
| Audio | Inputs | 16CH (Built-in 4CH) | 16CH (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 |
| | External HDD | Up to 2 expansion bays | Up to 2 expansion bays | Up to 2 expansion bays |
| Monitors | VGA | Yes | Yes | Yes |
| | HDMI | Yes | Yes | Yes |
| | Main Composite | - | - | - |
| | Spot Composite | 2CH (Digital) | 2CH (Digital) | 2CH (Digital) |
| Connections | USB | 2 ports | 2 ports | 2 ports |
| | e-SATA | 2 External SATA ports | 2 External SATA ports | 2 External SATA ports |
| | DVD Writer (Backup) | Yes | Yes | Yes |
| | Mouse | 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 |
| | Transmission | 4CIF, 2CIF, CIF | 4CIF, 2CIF, CIF | 4CIF, 2CIF, CIF |
| | Monitoring | SmartViewer, Webviewer, SSM | SmartViewer, Webviewer, SSM | SmartViewer, Webviewer, SSM |
| Removable BNC Panel | | - | - | - |
| PTZ Control | Coax Protocol | 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 |

• Option : Audio extension cable * Coaxial communication not supported

ANALOG

DVR



BEYOND
SRD-476D



SRD-445

| Channel | 4CH | 4CH |
|---------------------|-------------------------|---|
| OS | Embedded | Linux |
| Live | Frame Rate (NTSC / PAL) | 120fps / 100fps |
| Recording | Max. Record Rate / NTSC | 120fps@1280 x 480 * P/B : 60fps@1280 x 480, 120fps@960 x 480 |
| | Max. Record Rate / PAL | 100fps@1280 x 576 * P/B : 50fps@1280 x 576, 120fps@960 x 576 |
| | Compression | H.264 |
| Video | Inputs | 4CH |
| | Loop Outputs | Yes |
| Audio | Inputs | 4CH |
| Storage | Internal HDD | Up to 1 SATA HDD |
| | External HDD | - |
| Monitors | VGA | Yes |
| | HDMI | Yes |
| | Main Composite | - |
| | Spot Composite | 2CH (Digital 1CH / Analog 1CH) |
| Connections | USB | 2 ports |
| | e-SATA | - |
| | DVD Writer (Backup) | Yes |
| | Mouse | Yes |
| Network | Remote Users | Search 3 / Live unicast 10 / Live multicast 20 |
| | Transmission | 4CIF, 2CIF, CIF |
| | Monitoring | SmartViewer, Webviewer, SSM |
| Removable BNC Panel | | - |
| PTZ Control | Coax Protocol | Samsung CCVC, Pelco-C |
| | RS-485 Protocol | 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

MONITOR / CONTROLLER

LED Monitor



New



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-200



SPO-100






















| Features | SPC-7000 | SPC-2000 | SPC-2010 | SPC-1010 | SPC-200 | SPO-100 |
|----------|---|--|---|---|--|--|
| | <p>Network / Analog Cameras / NVR / DVR / SSM Controller</p> <ul style="list-style-type: none"> • 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 <p>* The control for analog Camera / DVR will be ready on Nov.2016</p> | <p>Network Controller</p> <ul style="list-style-type: none"> • Superior system compatibility • 3D joystick control • Quick and easy installation • SSM support | <p>PTZ / DVR System Controller</p> <ul style="list-style-type: none"> • 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 | <p>PTZ Control Keyboard</p> <ul style="list-style-type: none"> • Control up to 255 PTZ cameras • Multi protocols supports • OSD menu, 3D joystick control • RS-485 and RS-422 interface | <p>Camera Zoom & OSD Controller</p> <ul style="list-style-type: none"> • Camera zoom in/out, OSD control • RS-485 communication • Zoom camera RJ-45 connector control | <p>PoE Extender</p> <ul style="list-style-type: none"> • 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 |

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° | Manual | Manual | 37.5 x 48.0 x 56.0mm 1.48" x 1.89" x 2.2" | 71g 0.16 lb | |
| | SLA-550DV |  | | | | DC | | 45.0 x 56.2 x 57.8mm 1.77" x 2.21" x 2.28" | 100g 0.22 lb | | | | | | |
| | DV2.2X4.1SR 4A-SA2L |  | | | | | | 6 Megapixel | 4.1 - 9mm 0.16" ~ 0.35" | | 2.2 | 1.6 | 44.21° ~ 24.59° | | |

PERIPHERALS

PTZ / Dome / Fisheye Camera housings / Mounts






| | | | | | | |
|---|--|---|--|---|---|---|
|  <p>SHP-3701H</p> |  <p>SHP-3701F</p> |  <p>SHD-3000F1</p> |  <p>SHD-3000F2</p> |  <p>SHD-3000F3</p> |  <p>SHD-3000F4</p> |  <p>SBP-300HM1</p> |
| <p>Outdoor Housing for PTZ Dome</p> <ul style="list-style-type: none"> 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 | <p>In-Ceiling Housing for Dome</p> <ul style="list-style-type: none"> 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 | <p>In-Ceiling Housing for PTZ Dome</p> <ul style="list-style-type: none"> For indoor applications Polycarbonate Can be used with PNV-9080R XNV-6080/6080R/8080R XND-5083/5084/5084R/6083/6084/6084R/7084/7084R SNV-5084/5084R/6084/6084R/6085R/7084/7084R/8080/8081R SCD-6081R SCV-6081R | <p>In Ceiling Housing for Dome</p> <ul style="list-style-type: none"> For indoor applications Polycarbonate Can be used with QND-6070R/7080R SND-6011R/L5083R/L6083R SCD-5080/5082/5083/5083R/6021/6083R SUD-5082 | <p>In Ceiling Housing for Dome</p> <ul style="list-style-type: none"> For indoor applications Polycarbonate Can be used with QNV-6070R/7080R SNV-L6083R SCV-5082R/5083/5083R/5085/6023R/6083R | <p>In Ceiling Housing for Dome</p> <ul style="list-style-type: none"> For indoor applications Polycarbonate Can be used with PND-9080R XND-6080/6080R/6080RV/6080V/8080R/8080RV | <p>Hanging Mount</p> <ul style="list-style-type: none"> Aluminum Can be used with SNP-3300A/3301/3302/3350/3370/3371/3750/5200/5300/6200/3120 SCP-2250/2251/2430/3250/3430/2120/3120/2270/2330/2370/3370 SBP-300CM/300LM/300WM/300WM1 |
|  <p>SBP-301HM2</p> |  <p>SBP-301HM3</p> |  <p>SBP-301HM4/300HM5</p> |  <p>SBP-300HM6</p> |  <p>SBP-300HM7</p> |  <p>SBP-300HM8</p> |  <p>SBP-122HM</p> |
| <p>Hanging Mount</p> <ul style="list-style-type: none"> 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 | <p>Hanging Mount</p> <ul style="list-style-type: none"> 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 | <p>Hanging Mount for 3M / 5M Fisheye Cameras</p> <ul style="list-style-type: none"> Aluminum Can be used with SNF-7010/7010V/7010VM SBP-300CM/300LM/300WM/300WM1 (SBP-301HM4) Can be used with SNF-8010/8010VM SBP-300CM/300LM/300WM/300WM1 (SBP-301HM5) | <p>Hanging Mount</p> <ul style="list-style-type: none"> 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 | <p>Hanging Mount</p> <ul style="list-style-type: none"> Aluminum Can be used with XND-6010/6020/8020R/8030R/8040R QND-6010R/6020R/6030R/7010R/7020R/7030R SND-L6012/L6013/L6013R/L6014R SNV-6013 SCD-6023R SBP-300CM/300LM/300WM/300WM1 | <p>Hanging Mount</p> <ul style="list-style-type: none"> 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 | <p>Hanging Mount</p> <ul style="list-style-type: none"> 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 |
|  <p>SBP-201HM</p> |  <p>SBP-300HF/301HF/302HF</p> |  <p>SBP-300TM/300TM1</p> |  <p>SBP-160TM</p> |  <p>SBP-300CM</p> |  <p>SBP-300WM1/300WM</p> |  <p>SBP-300LM</p> |
| <p>Hanging Mount</p> <ul style="list-style-type: none"> Aluminum Can be used with PNM-9020V | <p>Built-in SFP Install Base for PTZ Cameras</p> <ul style="list-style-type: none"> 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) | <p>Tilt Mount for 3M/5M Fisheye Cameras</p> <ul style="list-style-type: none"> Poly carbonate Can be used with SNF-7010VM/7010V/7010 (SBP-300TM) SNF-8010/8010VM (SBP-300TM1) | <p>Tilt Mount</p> <ul style="list-style-type: none"> Aluminum Can be used with PNV-9080R XNV-6080/6080R/8080R SNV-5084/5084R/6084/6084R/6085R SNV-7084/7084R/8080/8081R SCV-6081R | <p>Ceiling Mount</p> <ul style="list-style-type: none"> Aluminum + SECC Can be used with hanging mount and outdoor PTZ | <p>Wall Mount</p> <ul style="list-style-type: none"> Aluminum + SECC Can be used with SBP-300NB/300B/300PM/300KM | <p>Parapet Mount</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> • Poly carbonate • Can be used with SCD-2060E/2080/2080R/2081/2082/3080/3081/3082/3083/2020/2022/2022R/5020/5030 SND-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/L6013L/L6012L/L5083R/L5013 SCD-6083R/6023R/6021/5083R/5083/5082/5080 (SBP-120WM) | Pole Mount <ul style="list-style-type: none"> • SECC • Can be used with SBP-300B/300WM/300WM1 (SBP-300PM) • Can be used with PNO-9080R/SBO-100B1 (SBP-302PM) | Corner Mount <ul style="list-style-type: none"> • SECC • Can be used with SBP-300B/300WM/300WM1 | Wall Mount Base <ul style="list-style-type: none"> • Aluminum + SECC • Can be used with SBP-300PM/300KM | Installation Box <ul style="list-style-type: none"> • Steel • Can be used with SBP-300WM/300WM1/300KM/300PM | Back Box <ul style="list-style-type: none"> • Aluminum • Can be used with SCV-5082R/5083/5083R/5085/6023R/6083R SNV-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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Aluminum diecasting construction • Fully cable managed bracket • Built-in fan & heater • Support three cable glands, IP66 | Fixed Housing <ul style="list-style-type: none"> • Support two cable glands • Built-in fan & heater : SHB-4200H | Fixed Housing <ul style="list-style-type: none"> • For fixed camera application • Wall/ceiling installations • Easy to install side open type | Fixed Mount <ul style="list-style-type: none"> • Bracket for STH-500/200 • Steel material | Fixed Mount <ul style="list-style-type: none"> • Bracket for box cameras • Steel material |

IR Illuminator / Smoked Dome Cover

| | | | |
|--|--|--|--|
|  |  |  |  |
| SPB-IND5 | SPB-IND6 | SPB-VAN3 | SPB-VAN4 |
| Smoked Dome Cover <ul style="list-style-type: none"> • Poly carbonate + Poly carbonate • Can be used with SCD-6081R SND-5083/5084/6083/6084/6084R SND-7084 | Smoked Dome Cover <ul style="list-style-type: none"> • Poly carbonate + Poly carbonate • Can be used with SCD-5080/5082/5083/5083R SCD-6021/6083R SND-6011R SUD-5082 | Smoked Dome Cover <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Aluminium + Poly carbonate • Can be used with SCV-5082R/5083/5083R SCV-6023R/6083R SNV-L6083R QNV-6070R/7080R |

PERIPHERALS

PTZ Cameras

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

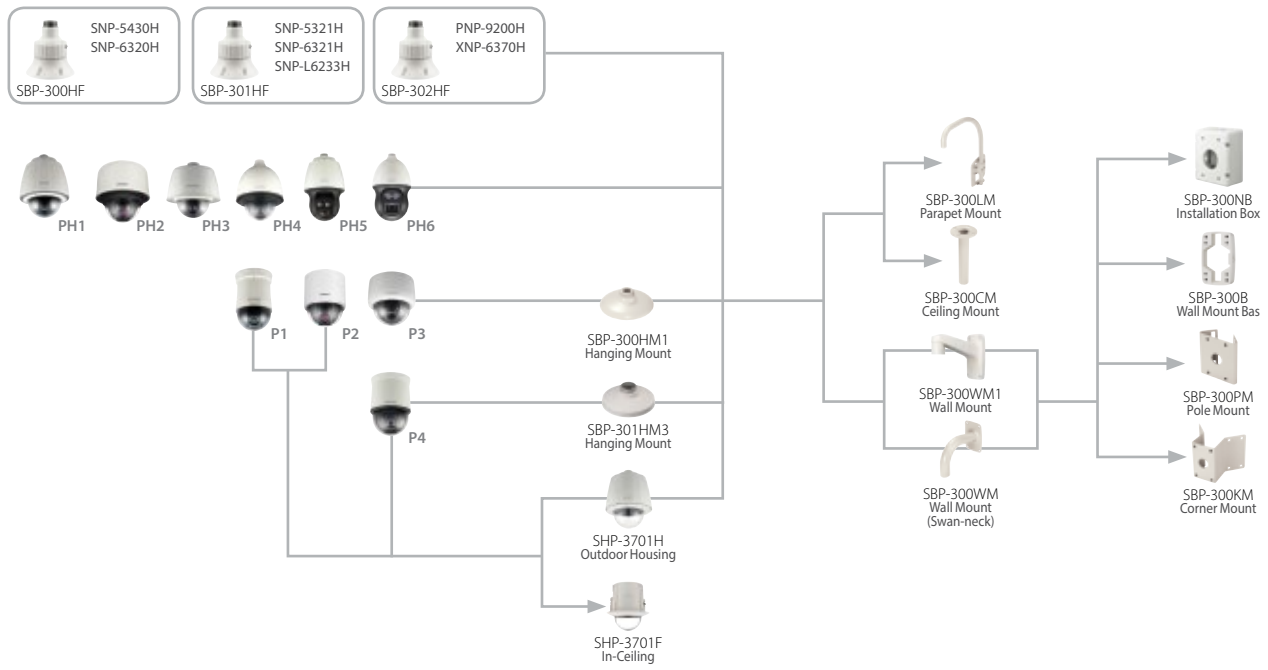
| Type | Vandal-Resistant | | | | | | Indoor Dome | | | | | |
|-------|--|---|---|---|--|--|--|--|---|---|---|---|
| Shape |  |  |  |  |  |  |  |  |  |  |  |  |
| Color | Ivory | | | | | | | | | | | |
| Model | SCV-2060/2080/ 3080/3120 SNV-3080/3082/ 3120/5080/ 5080R/7080/ 7080R/7082 | SCV-2081/2081R/ 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-5082R/ 5083/5083R/ 5085/6023R/ 6083R SNV-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-L6012/L6013 L6013R/L6014R | PND-9080R XND-6080/6080R/ 6080RV/6080V/ 8080R/8080RV |

Fisheye / Panoramic Cameras

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

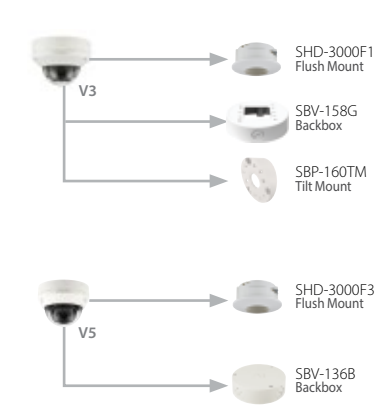
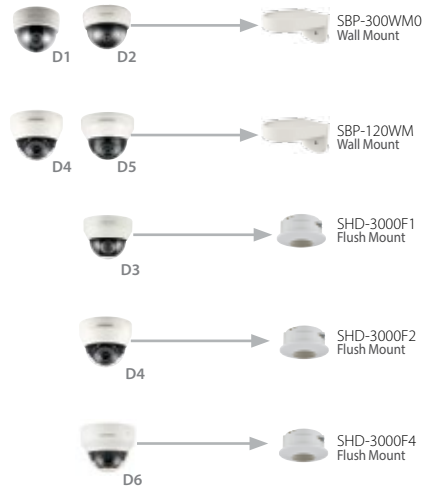
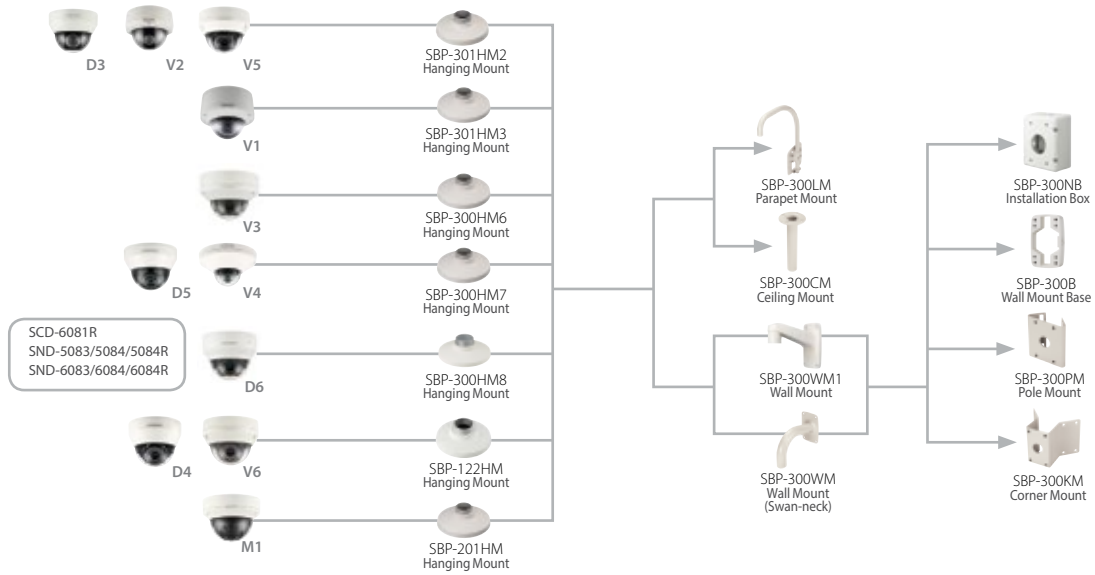
ACCESSORIES CONFIGURATION

**PTZ
ACC**



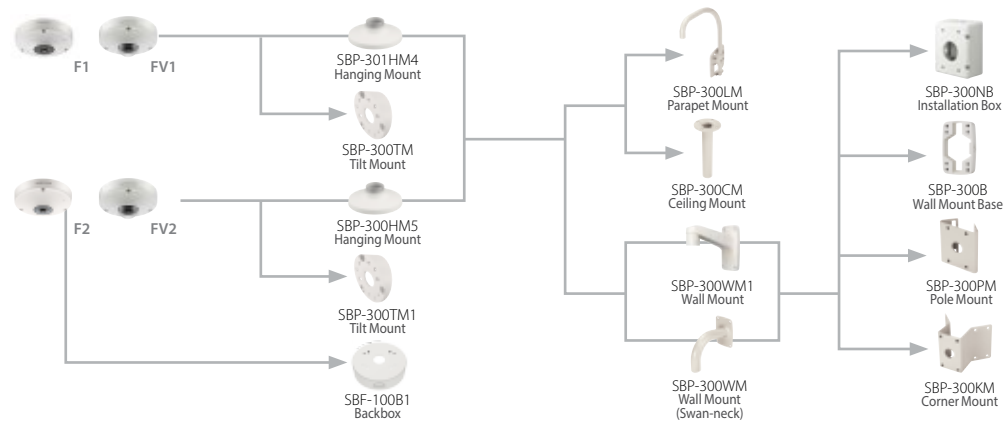
ACCESSORIES CONFIGURATION

DOME ACC



ACCESSORIES CONFIGURATION

FISHEYE ACC

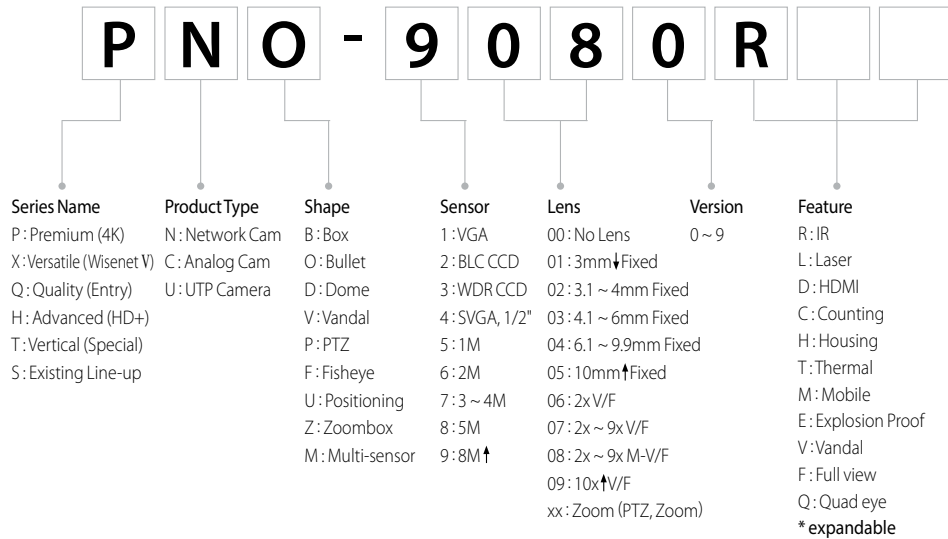


BULLET ACC

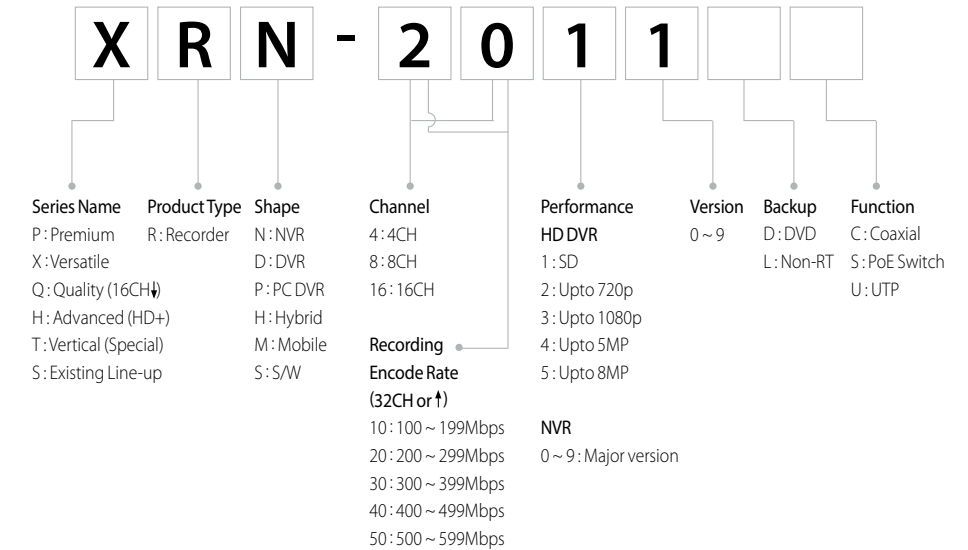


PRODUCT NAMING RULE

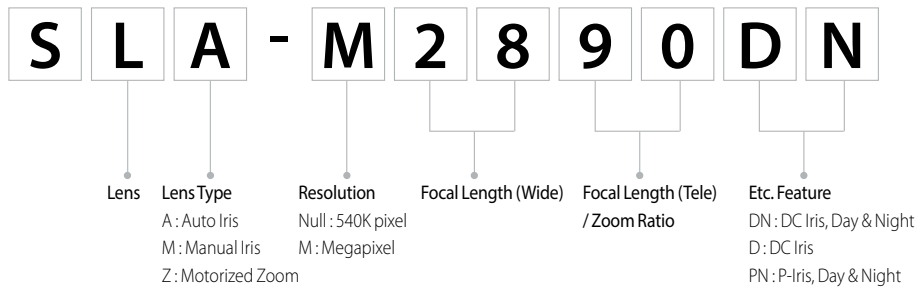
Camera



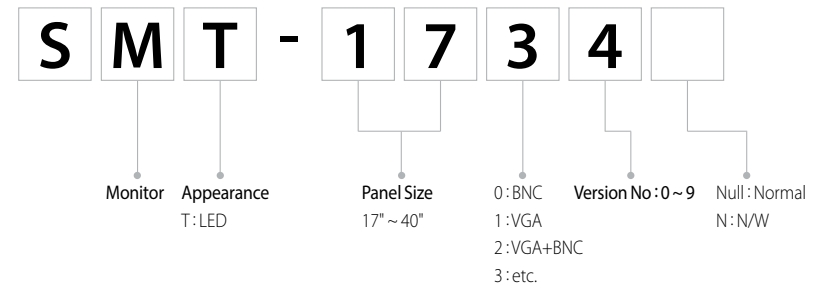
Recorder



Lens



Monitor





WE MOVE

We move towards Hanwha Techwin being the security brand you trust.

We move with our five-day turnaround time on repairs and up to 3 year's warranty.

We move by expanding our Customer Service Centre and local teams.

We move to offer the highest levels of pre and post sales support.

We are Hanwha Techwin, and we move together.

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