

WISENET



WISENET X series

 **Hanwha**
Techwin America

Wisenet 5

defining the future



Wisenet X series features the most powerful chipset ever incorporated into a full camera range. Hanwha's self-developed Wisenet 5 chip uses an all-new architecture that enables faster processing. This means the highest quality video performance with essential features suited to a wide range of video surveillance applications.

Best-in-class 150dB WDR ► WiseStream II Compression Technology ► Advanced Analytics

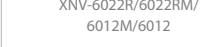
Wisenet X series

Wisenet X series premium line of network cameras feature Hanwha's self-developed proprietary Wisenet 5 chipset. The full line of network cameras and NVRs make Wisenet X ideal for virtually any security and surveillance application.

Superb Features with Hanwha's Core Technology

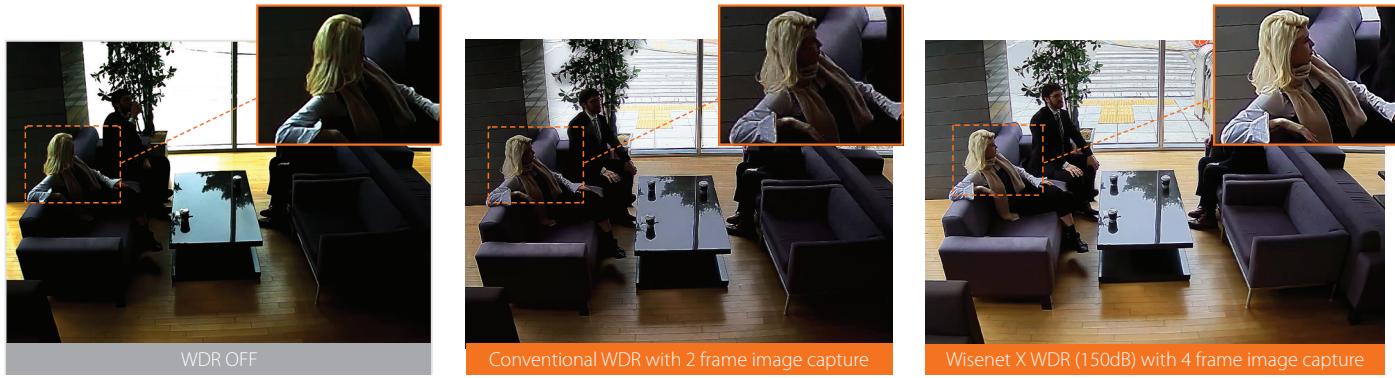
- 5MP@30 fps, 2MP@60 fps
- WDR - up to 150dB@2MP* / 120dB@5MP
- Low light noise reduction technology
- WiseStream II
- USB port
- Dual SD card slot*
- Sound Classification*
- Enhanced Video Analytics*
- Fog Detection
- PTZ Hand-over
- Highlight Compensation (HLC)
- High Power IR LEDs

* depends on camera model

	BOX	BULLET	INDOOR DOME	OUTDOOR VANDAL DOME	PTZ	FISHEYE	SPECIALTY	
5MP	 XNB-8000	 XNO-8020R/8030R/8040R/8080R	 XND-8020R/8030R/8040R/8080RV  XND-8020F	 XNV-8020R/8030R/8040R/8080R  XNV-8080RS		 XNF-8010R/8010RV/8010RVM/8010RW	 XNB-H6241A	
2MP	 XNB-6000/6005	 XNO-6010R/6020R	 XND-6010/6020R/6080RV/6085V	 XNV-6010/6020R/6120/6120R/6120RS/6080/6080R/6080RS/6085		 XNB-H6461H	 SHD-46VDB/46VDE	
	 SLA-T4680/T4680V/T2480/T2480V/T1080F	 XNO-6080R XNO-6085R	 XND-6011F	 XND-L6080RV/L6080V	 XNP-6320/6320H/6320HS	 XNV-6022R/6022RM/6012M/6012	 XNP-6120H / XNP-6040H	 SLA-T4680D/T4680DW/T4680DS

Best-in-Class 150dB Wide Dynamic Range (WDR)

Conventional WDR captures images by taking 2 frames taken at different exposures, whereas Wisenet X series cameras utilize 4 frame capture at different exposure levels to create a combined image. With the development of cutting-edge WDR technology, Wisenet X series cameras address a limitation found in conventional WDR cameras while producing clear and vivid images.



* Actual images from XNV-6080R
Please check camera specification

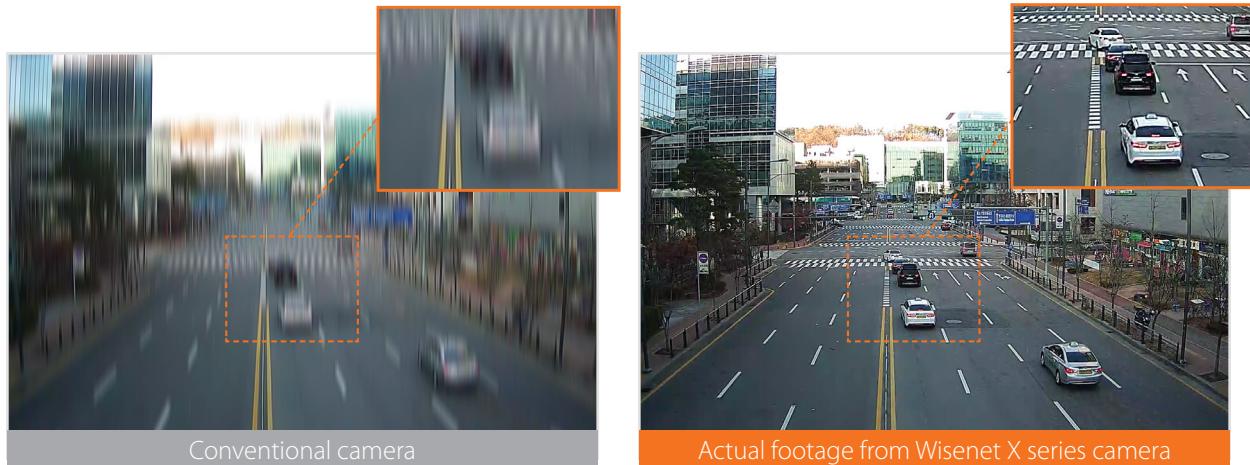
Monitor Color Images Even in Low-Light Environments

With the new, powerful Wisenet 5 chipset and processing technology, combined with Hanwha Techwin's outstanding lens technology, Wisenet X series achieves optimal performance in low-light conditions by capturing and producing crystal-clear images including true-color images without IR LEDs, regardless of the environment or time of day.



Improved Digital Image Stabilization (DIS) with Gyro Sensor

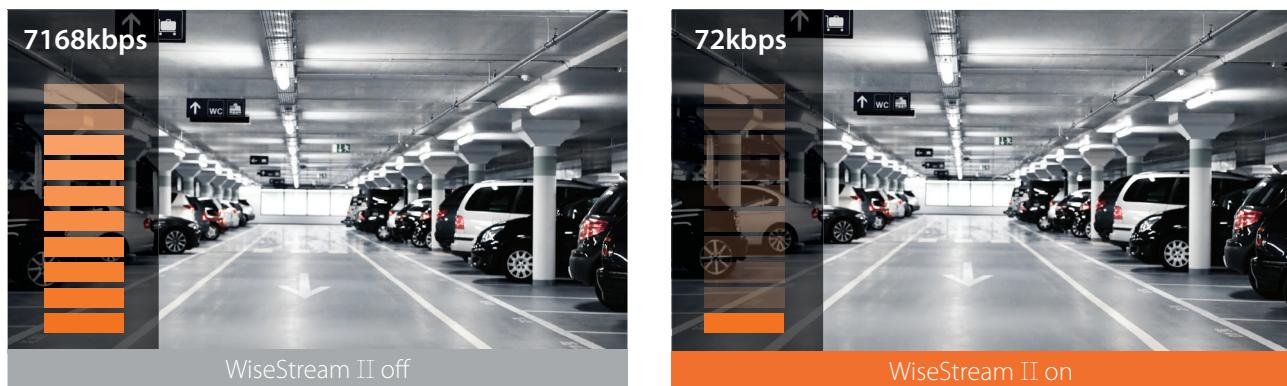
Advances in Hanwha's image stabilization technology allow for the reduction of motion blur caused by wind or vibration. A gyroscopic sensor plus DIS technology is specifically designed and engineered into select Wisenet X-series cameras resulting in sharp, stable images.



※ Equipped only on certain models

Advanced Compression with WiseStreamII

Using WiseStreamII, Hanwha Techwin's video compression technology, Wisenet X series reduces data by up to 99% compared to the previous version of WiseStream when combined with H.265 compression. The costs of configuring and maintaining the system are also greatly reduced, while still maintaining the same pixels and high quality.



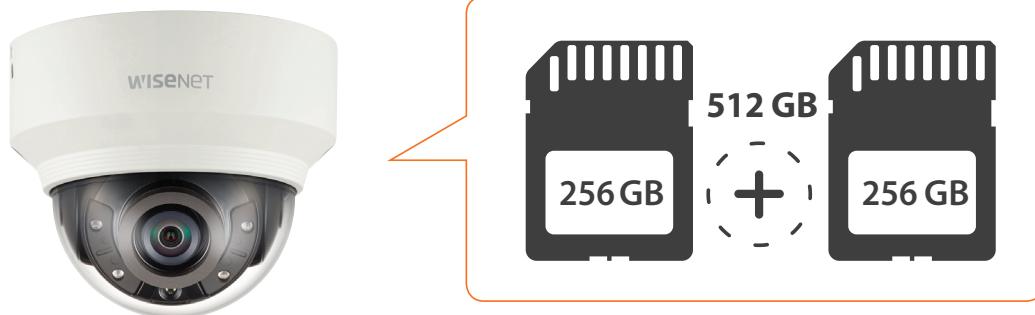
More Convenient Installation with USB

Using a compatible USB adapter and the free Wisenet installation app on a mobile device, adjusting the camera angle and focus is simpler. Additional devices are not required for installation, reducing installation time and costs.



Dual SD Card Slots

Dual SD card slots support up to 512 GB of storage at the edge, preserving stored data in the event of an unstable network connection.



※ Equipped only on certain models

Minimize Lens Distortion

Lens distortion typically causes the straight lines near the edge to curve outwards from the center of the image. With Lens Distortion Correction technology integrated into the Wisenet X series, image imperfections can be easily corrected.



Enhanced Video Analytics and Sound Classification

Wisenet X series features a variety of new, exclusive Video and Audio Analytics, providing enhanced monitoring solutions and market intelligence.

Behavior Analytics	Apear, Disappear, Loitering
Passing	Virtual line, Enter/Exit, Directional Detection
Image quality enhancement	Defocus Detection, Fog detection
Detection	Motion Detection, Tampering, Face Detection, Audio detection
Statistics for Market Intelligence	Heat map, People counting, Queue management [Fixed lens camera models only]
Audio Analytics Sound Classification	Explosion Glass breakage Gun shot Scream

* bold: new added
Equipped only on certain models

Fog Detection

Wisenet X series delivers outstanding image quality in foggy weather conditions with the Fog Detection feature. Images covered by fog are automatically fine-tuned with the defog feature to provide crystal clear images.



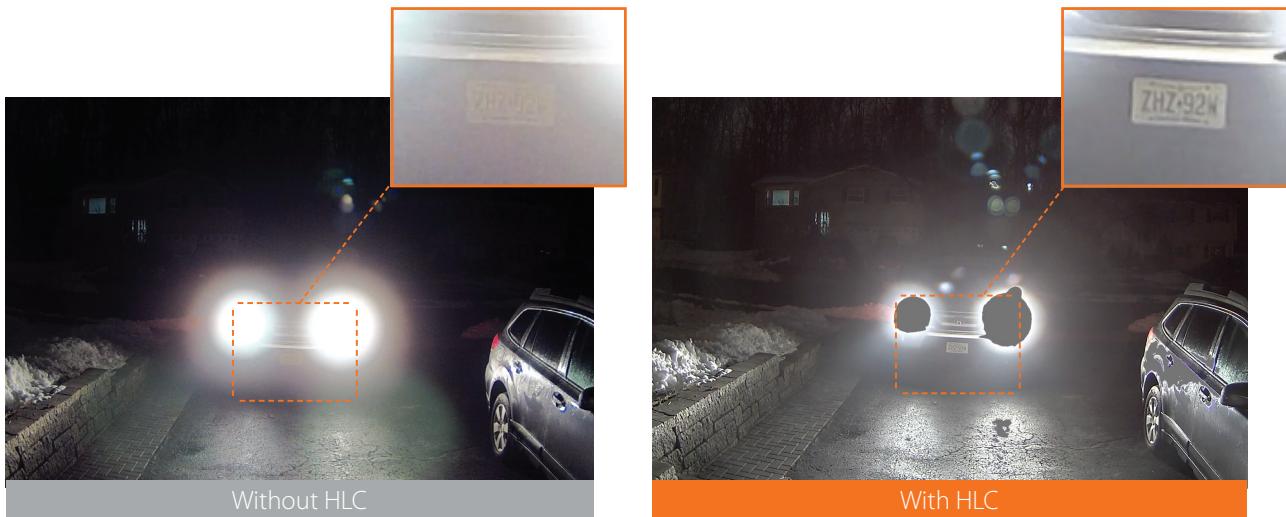
PTZ Hand-Over

Hanwha's unique PTZ hand-over feature allows a PTZ camera to receive alarm notifications (motion detection) from other Wisenet X series cameras connected to the same IP video surveillance system. Once the notification is received, the PTZ camera will move to the assigned preset camera location. The hand-over feature enhances the surveillance system efficiency by reducing reliability on the system operator to track events while maximizing the likelihood of capturing and recording critical events for areas under surveillance.



Highlight Compensation (HLC)

Camera detects areas of an image that are overexposed and reduces the brightness of these areas, improving the overall quality and usability of the image.



Powerful IR LEDs

Conventional IR illumination provides intense light at the center of an image, degrading quickly as it moves away from the center. Wisenet X series cameras use powerful IR LEDs that provide a wide angle of uniform IR light across a scene for a wider image capture area.



Conventional camera



Wisenet X series camera

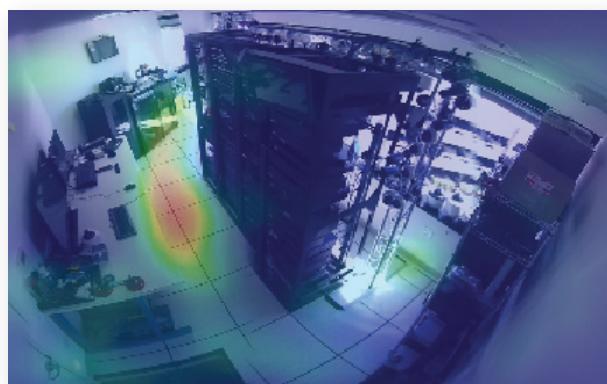
Defocus Detection

If a camera goes out of focus, an alarm notification will be sent to users, allowing them to adjust camera focus. Users can also adjust the focus via the network for 4MP cameras equipped with vari-focal lens.

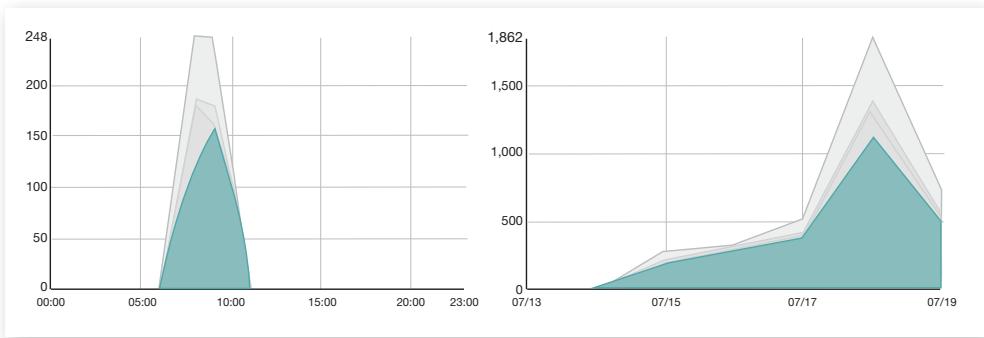


People Counting & Heatmap Function

Our X series fisheye cameras supports license-free People Counting business analytics. This feature supports data search, report and graph functions.



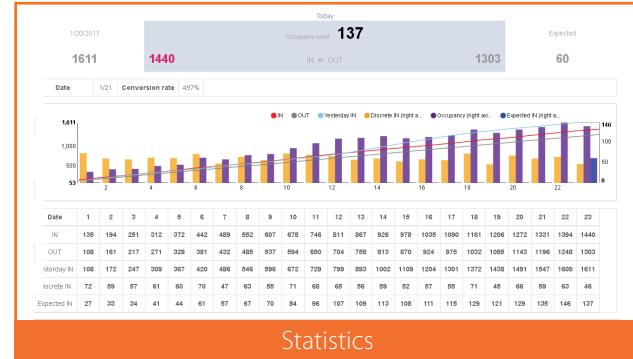
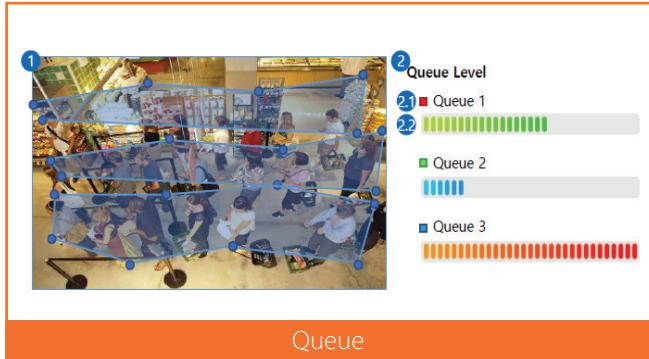
* Actual footage from XND-6010



* Equipped only on certain models

Queue Line Management

Provides statistical analysis and measurement for average dwell time and number of people in queues. This insight is critical for business to manage their operations more efficiently, while providing the insight necessary to manage campaigns, displays and promotions throughout retail locations.



* Equipped only on certain models

Fixed Lens Coverage

The 2.4mm fixed focal lens in the Wisenet X series provides a wider area of coverage compared with the 2.8mm lens in our Wisenet III camera line. This results in an effective increase of ~27° in horizontal viewing angle.



Wisenet X
XNB-8000Wisenet X
XNO-8080RWisenet X
XNO-8020R/8030R/8040RWisenet X
XND-8080RV

	Wisenet X XNB-8000	Wisenet X XNO-8080R	Wisenet X XNO-8020R/8030R/8040R	Wisenet X XND-8080RV
VIDEO	Resolution	5MP	5MP	5MP
	Imaging Device	1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/1.8" 6M CMOS
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	5M / 30fps	5M / 30fps	5M / 30fps
	Streaming Capacity	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color : 0.07Lux B/W: 0.007Lux	Color : 0.07Lux B/W: 0Lux (IR LED on)	Color : 0.16Lux 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
	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) 7.0mm fixed (F1.6) (XNO-8040R)
	Angular Field of View	-	H: 100.2°(Wide) ~ 38.7°(Tele) / V: 72.7°(Wide) ~ 29.0°(Tele) / D: 132.0°(Wide) ~ 48.6°(Tele)	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)
OPERATIONAL	Focus Control	Simple focus / Manual	Simple focus (motorized V/F) / Manual	-
	IR Viewable Length	-	50m (164.04ft)	30m (98.43ft)
	Pan / Tilt / Rotate	-	-	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
	Day & Night	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)
	Digital Image Stabilization	Support (Built in Gyro sensor)	Support	Support
	Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management
	Protocol	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI
	Alarm I/O	1 / 1	1 / 1	1 / 1
FEATURES	Audio	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
	Environment Protection	-	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10
	Operating Temperature	-10°C ~ +55°C (+14°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)
	Power	Max. 8.5W (24V AC) Max. 7.5W (12V DC) Max. 8.5W (PoE)	Max. 14.5W (24V AC) Max. 12.5W (12V DC) Max. 12.95W (PoE)	Max. 9.3W (12V DC) Max. 10.3W (PoE)
	Dimensions (WxHxD) / Weight	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 420g (0.93 lb)	Ø91.0 x 368.6mm (Ø35.8" x 14.51") (Without Sunshield) 2.18Kg (4.81 lb)	Ø70.0 x 296.0mm (Ø2.76" x 11.65") (Without Sunshield) 1.22Kg (2.69 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

* Design and specifications are subject to change without notice.

				
Wisenet X XND-8020R/8030R/8040R	Wisenet X XND-8020F	Wisenet X XNV-8080R	Wisenet X XNV-8080RS	Wisenet X XNV-8020R/8030R/8040R
5MP	5MP	5MP	5MP	5MP
1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/1.8" 6M CMOS	1/1.8" 6M CMOS
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
5M / 30fps	5M / 30fps	5M / 30fps	5M / 30fps	5M / 30fps
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)
20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
Color : 0.16Lux B/W : 0Lux (IR LED on)	Color : 0.16Lux B/W : 0.16Lux	Color : 0.07Lux B/W : 0Lux (IR LED on)	Color : 0.07Lux B/W : 0Lux (IR LED on)	Color : 0.16Lux B/W : 0Lux (IR LED on)
CVBS 1.0Vpp, Micro USB type B	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
3.7mm fixed (F1.6) (XND-8020R) 4.6mm fixed (F1.6) (XND-8030R) 7.0mm fixed (F1.6) (XND-8040R)	3.7mm fixed (F1.6)	3.9 ~ 9.4mm (2.4x) motorized V/F (F1.3)	3.9 ~ 9.4mm (2.4x) motorized V/F (F1.3)	3.7mm fixed (F1.6) (XNV-8020R) 4.6mm fixed (F1.6) (XNV-8030R) 7.0mm fixed (F1.6) (XNV-8040R)
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: 97.5° / V: 71.9° / D: 126.2°	H: 92.1°(Wide) ~ 38.7°(Tele) / V: 67.2°(Wide) ~ 29.0°(Tele) / D: 119.9°(Wide) ~ 48.6°(Tele)	H: 92.1°(Wide) ~ 38.7°(Tele) / V: 67.2°(Wide) ~ 29.0°(Tele) / D: 119.9°(Wide) ~ 48.6°(Tele)	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)
-	Manual	Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual	-
30m (98.43ft)	-	50m (164.04ft)	50m (164.04ft)	30m (98.43ft)
0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 355° / 0° ~ 47° / 0° ~ 353°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
True (ICR)	Auto (Electrical)	True (ICR)	True (ICR)	True (ICR)
WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
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)
Support	Support	Support	Support	Support
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	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
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
1 / 1	-	1 / 1	1 / 1	1 / 1
Bi-Directional	Uni-Directional	Bi-Directional	Bi-Directional	Bi-Directional
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
IK08	-	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10+	IP67, IP66, IK10
-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°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)
Max. 8W (12V DC) Max. 9W (PoE)	Max. 4.7W (PoE)	Max. 14W (24V AC) Max. 11.5W (12V DC) Max. 12.95W (PoE)	Max. 14W (24V AC) Max. 11.5W (12V DC) Max. 12.95W (PoE)	Max. 8W (12V DC) Max. 9W (PoE)
Ø110.0 x 90.0mm (Ø4.33" x 3.54") 380g (0.84 lb)	Ø98.9 x 129.1mm (Ø3.89" x 5.08") 275g (0.61 lb)	Ø160.0 x 118.5mm (Ø6.30" x 4.67") 1.01Kg (2.23 lb)	Ø162.0 x 120.5mm (Ø6.38" x 4.74") TBD	Ø120.0 x 97.5mm (Ø4.72" x 3.84") 615g (1.36 lb)
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)	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, SUS316L	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View

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extraLUX



Wisenet X

XNF-8010R/8010RV/8010RVM/8010RW

Wisenet X

XNB-6005

Wisenet X

XNB-6000

	Resolution	6MP	2MP	2MP
VIDEO	Imaging Device	1/1.8" 6M CMOS	1/2" 2.17M CMOS	1/2.8" 2M CMOS
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, JPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	2048 x 2048 / 30fps	2M / 60fps	2M / 60fps
	Streaming Capacity	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color : 0.1Lux B/W : 0Lux (IR LED on)	Color : 0.006Lux B/W : 0.0006Lux	Color : 0.01Lux B/W : 0.001Lux
	Video Output	CVBS 1.0Vpp, DIP connector type	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B
	Lens	1.6mm fixed (F1.6)	-	-
	Angular Field of View	H: 192° / V: 192° / D: 192°	-	-
	Focus Control	Simple focus / Manual	Simple focus / Manual	Simple focus / Manual
OPERATIONAL	IRViewable Length	15m (49.21ft)	-	-
	Pan / Tilt / Rotate	-	-	-
	Day & Night	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (150dB)	WDR (150dB)
	Digital Noise Reduction	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)
	Digital Image Stabilization	-	Support (Built in Gyro sensor)	Support (Built in Gyro sensor)
	Video & Audio Analytics	Tampering, Loitering, Directional detection, Virtual line, Enter/Exit, (Dis) Appear, Audio detection, Motion detection, 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
	Protocol	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI
	Alarm I/O	1 / 1	1 / 1	1 / 1
	Audio	Bi-Directional	Bi-Directional	Bi-Directional
FEATURES	Edge Storage	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
	Environment Protection	IP66, IK10 (XNF-8010RV/8010RVM)	-	-
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F) (XNF-8010R) -40°C ~ +55°C (-40°F ~ +131°F) (XNF-8010RV//8010RVM)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
	Power	Max. 11W (12V DC), Max. 12W (PoE) (XNF-8010R) Max. 12W (12V DC), Max. 12.95W (PoE) (XNF-8010RV, XNF-8010RVM)	Max. 9W (24V AC) Max. 8W (12V DC) Max. 8.5W (PoE)	Max. 8W (24V AC) Max. 6.5W (12V DC) Max. 7.5W (PoE)
	Dimensions (WxHxD) / Weight	Ø146 x 54.8mm (Ø5.75" x 2.16") 730g (1.61 lb) (XNF-8010R / 8010RW) Ø146 x 65.8mm (Ø5.75" x 2.59") 785g (1.73 lb) (XNF-8010RV) 790g (1.74 lb) (XNF-8010RVM)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 420g (0.93 lb)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82") 420g (0.93 lb)
	Additional Features	M12 Connector (XNF-8010RVM), Built-in MIC, On board dewarping, Handover, WiseStream II, Heatmap, People counting, XNV-8010RW (White)	extraLUX, Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View

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		Wisenet X XNB-6001	Wisenet X SLA-T4680	Wisenet X SLA-T4680V	Wisenet X SLA-T2480	Wisenet X SLA-T2480V	Wisenet X SLA-T1080F
Resolution	2MP	2MP	2MP	2MP	2MP	2MP	
Imaging Device	-	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	-	-	-	-	-	
Resolution / Max. Frame Rate	2M / 60fps	-	-	-	-	-	
Streaming Capacity	Multiple (Up to 10 Profiles)	-	-	-	-	-	
Max. User Access	20 (Unicast)	-	-	-	-	-	
VIDEO	Min. Illumination	-	0.06Lux	0.06Lux	0.45Lux	0.45Lux	0.03Lux
	Video Output	CVBS 1.0Vpp, Micro USB type B	-	-	-	-	-
	Lens	-	4.6mm Pinhole (F2.5)	4.6mm Pinhole (F2.5)	2.4mm fixed (F2.0)	2.4mm fixed (F2.0)	1.6mm fixed (F1.6)
	Angular Field of View	-	H:73°/V:39°/D:85°	H:73°/V:39°/D:85°	H:138°/V:73°/D:168°	H:138°/V:73°/D:168°	H:187°/V:113.9°
	Focus Control	-	Fixed	Fixed	Fixed	Fixed	Fixed
	IR Viewable Length	-	-	-	-	-	-
	Pan / Tilt / Rotate	-	-	-	-	-	-
OPERATIONAL	Day & Night	-	Electrical	Electrical	Electrical	Electrical	Electrical
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNRV (2D+3D Noise filter)	-	-	-	-	-
	Digital Image Stabilization	Support	-	-	-	-	-
	Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Motion detection, Face detection, Digital auto tracking, Heatmap, People counting, Queue management	-	-	-	-	-
	Protocol	ONVIF profile S/G, SUNAPI	-	-	-	-	-
	Alarm I/O	1 / 1	-	-	-	-	-
FEATURES	Audio	Bi-Directional	-	-	-	-	-
	Edge Storage	SD/SDHC/SDXC, NAS, Local PC	-	-	-	-	-
	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)
	Power	Max. 6.5W (12V DC) Max. 6W (PoE)	-	-	-	-	-
	Dimensions (WxHxD) / Weight	131.1 x 28 x 86mm (5.16" x 1.10" x 3.39") 245g (0.54 lb)	Ø24 x 42mm (Ø0.94" x 1.65") (Lens) 8m (314.96") (Cable) 310g (0.68 lb)	30 x 20.2 x 45mm (1.18" x 0.80" x 1.77") (Lens) 8m (314.96") (Cable) 321g (0.71 lb)	Ø24 x 49.8mm (Ø0.94" x 1.96") (Lens) 8m (314.96") (Cable) 318g (0.70 lb)	30 x 27.9 x 45mm (1.18" x 1.01" x 1.77") (Lens) 8m (314.96") (Cable) 328g (0.72 lb)	Ø68.9 x 35mm (Ø2.71" x 1.38") (Lens) 8m (314.96") (Cable) 321g (0.71 lb)
	Additional Features	Handover, WiseStream II, Advanced video analytics	Lens module for XNB-6001	Lens module for XNB-6001	Lens module for XNB-6001	Lens module for XNB-6001	Lens module for XNB-6001

* Design and specifications are subject to change without notice.



Wisenet X
SLA-T4680D/T4680DW/T4680DS SLA-T4680 + FLUSH DOOR JAMB



Wisenet X
XNB-H6241A

Wisenet X
XNB-H6461H

	Wisenet X	Wisenet X	Wisenet X	Wisenet X
Resolution	2MP	2MP	2MP	2MP
Imaging Device	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
Resolution / Max. Frame Rate	-	-	2M / 60fps	2M / 60fps
Streaming Capacity	-	-	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
Max. User Access	-	-	20 (Unicast)	20 (Unicast)
Min. Illumination	0.06Lux	Color : 0.004Lux B/W : 0Lux (IR LED on)	Color : 0.45Lux B/W : 0.45Lux	0.06Lux
Video Output	-	-	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B
Lens	4.6mm Pinhole (F2.5)	4.1 ~ 16.4mm (Optical 4x) motorized V/F F0.94(Wide) / F2.4(Tele)	2.4mm Fixed focal	4.6mm Pinhold (F2.5)
Angular Field of View	H: 73° / V: 39° / D: 85°	H: 100° (Wide) ~ 26.2° (Tele) / V: 54° (Wide) ~ 14.8° (Tele) / D: 116° (Wide) ~ 30.0° (Tele)	H: 138° / V: 73° / D: 168°	H: 73° / V: 39° / D: 85°
Focus Control	Fixed	Simple focus (motorized V/F) / Manual	-	Fixed
IR Viewable Length	-	-	-	-
Pan / Tilt / Rotate	-	-	-	-
Day & Night	Electrical	True (ICR)	Auto (Electrical) / Color / B/W	Electrical
Backlight Compensation	WDR (120dB)	WDR (150dB)	WDR (120dB)	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)
Digital Image Stabilization	Support	Support (Built in Gyro sensor)	Off / On	Off / On
Video & Audio Analytics	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, 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 & Dust detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Digital auto tracking, People counting, Heatmap, Queue management	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Motion detection, Face detection, Digital auto tracking, Heatmap, People counting, Queue management
Protocol	ONVIF profile S/G, SUNAPI	ONVIF Profile S&G, SUNAPI	TTCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour	ONVIF profile S/G, SUNAPI
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1
Audio	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
Environment Protection	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	-	-
Operating Temperature	-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)	-10°C ~ +55°C (-14°F ~ +131°F)
Power	Max. 14.5W (24V AC) Max. 12.5W (12V DC) Max. 12.95W (PoE)	Max. 14.5W (24V AC) Max. 11.5W (12V DC) Max. 12.95W (PoE)	Max. 6.5W (12V DC) Max. 6W (PoE)	Max. 6.5W (12V DC) Max. 6W (PoE)
Dimensions (WxHxD) / Weight	Ø91.0 x 368.6mm (Ø3.58" x 14.51") 2.18Kg (4.81 lb)	Ø91.0 x 388.6mm (Ø3.58" x 15.30") 2.35Kg (5.18 lb)	131.1 x 28 x 86mm (5.16" x 1.10" x 3.39") 245g (0.54 lb)	131.1 x 28 x 86mm (5.16" x 1.10" x 3.39") 245g (0.54 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 SHD-46VDB (Black) SHD-46VDE (Silver)	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View	Handover, WiseStream II, Advanced video analytics

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  Wisenet X XNO-6120R  Wisenet X XNO-6085R  Wisenet X XNO-6080R  Wisenet X XNO-L6080R  Wisenet X XNO-6010R/6020R				
2MP	2MP	2MP	2MP	2MP
1/2.8" 2M CMOS	1/2" 2.17M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS
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
2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps
Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 5 Profiles)	Multiple (Up to 10 Profiles)
20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
Color: 0.03Lux B/W: 0Lux (IR LED on)	Color: 0.004Lux B/W: 0Lux (IR LED on)	Color: 0.015Lux B/W: 0Lux (IR LED on)	Color: 0.1 Lux B/W: 0Lux (IR LED on)	Color: 0.055Lux (XNO-6010R), 0.015Lux (XNO-6020R) B/W: 0Lux (IR LED on)
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
5.2 ~ 62.4mm (Optical 12x) F1.6(Wide) / F3.0(Tele)	4.1 ~ 16.4mm (Optical 4x) motorized V/F F0.94(Wide) / F2.4(Tele)	2.8 ~ 12mm (4.3x) motorized V/F (F1.4)	3.2 ~ 10mm (3.1x) motorized V/F (F1.6)	2.4mm fixed (F2.0) (XNO-6010R) 4mm fixed (F1.4) (XNO-6020R)
H: 54.58°(Wide) ~ 5.30°(Tele) / V: 32.19°(Wide) ~ 3.00°(Tele) / D: 61.40°(Wide) ~ 6.06°(Tele)	H: 100°(Wide) ~ 26.2°(Tele) / V: 54°(Wide) ~ 14.8°(Tele) / D: 116°(Wide) ~ 30.0°(Tele)	H: 119.5°(Wide) ~ 27.9°(Tele) / V: 62.8°(Wide) ~ 15.7°(Tele) / D: 142.1°(Wide) ~ 32.0°(Tele)	H: 109.0°(Wide) ~ 33.2°(Tele) / V: 57.4°(Wide) ~ 18.7°(Tele) / D: 132.0°(Wide) ~ 38.0°(Tele)	H: 139.0° / V: 73.0° / D: 167.0° (XNO-6010R) H: 88.6° / V: 47.5° / D: 104.8° (XNO-6020R)
Auto / Manual / One shot AF	Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual	-
70m (229.66ft)	70m (229.66ft)	50m (164.04ft)	30m (98.43ft)	20m (65.61ft) (XNO-6010R) 30m (98.43ft) (XNO-6020R)
-	-	-	-	-
True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
WDR (150dB)	WDR (150dB)	WDR (150dB)	WDR (120dB)	WDR (150dB)
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)
Support	Support (Built in Gyro sensor)	Support	Support	Support
Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, 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, Defocus detection, Motion detection	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
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
1 / 1	1 / 1	1 / 1	-	1 / 1
Bi-Directional	Bi-Directional	Bi-Directional	-	Bi-Directional
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
IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10	IP67, IK10	IP67, IP66, NEMA 4X, IK10
-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)	-40°C ~ +55°C (-40°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -20°C (-4°F)
Max. 14.5W (24V AC) Max. 12.5W (12V DC) Max. 12.95W (PoE)	Max. 14.5W (24V AC) Max. 11.5W (12V DC) Max. 12.95W (PoE)	Max. 15W (24V AC) Max. 12W (12V DC) Max. 12.95W (PoE)	Max. 11W (PoE)	Max. 8.8W (12V DC) Max. 9.7W (PoE)
Ø91.0 x 368.6mm (Ø3.58" x 14.51") 2.18Kg (4.81 lb)	Ø91.0 x 388.6mm (Ø3.58" x 15.30") 2.35Kg (5.18 lb)	Ø91.0 x 368.6mm (Ø3.58" x 14.51") (Without Sunshield) 2.18Kg (4.81 lb)	Ø91.0 x 322.9 mm (Ø3.58" x 12.71") (Without Sunshield) 1.30Kg (2.86 lb)	Ø70 x 301.5mm (Ø2.76" x 11.87") (XNO-6010R) Ø70 x 296mm (Ø2.76" x 11.65") (XNO-6020R) (Without sunshield) 1.22Kg (2.69 lb)
Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View	extraLUX, 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	WiseStream II, Handover, Lens distortion correction, Defog, Hallway View	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View

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extraLUX

Wisenet X
XND-6085VWisenet X
XND-6080VWisenet X
XND-6080RVWisenet X
XND-L6080RV

	Wisenet X XND-6085V	Wisenet X XND-6080V	Wisenet X XND-6080RV	Wisenet X XND-L6080RV
VIDEO	Resolution	2MP	2MP	2MP
	Imaging Device	1/2" 2.17M 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
	Resolution / Max. Frame Rate	2M / 60fps	2M / 60fps	2M / 60fps
	Streaming Capacity	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color : 0.004Lux B/W : 0.0004Lux	Color : 0.015Lux B/W : 0.0015Lux	Color : 0.015Lux 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
	Lens	4.1 ~ 16.4mm (Optical 4x) F0.94(Wide) / F2.4(Tele)	2.8 ~ 12mm (4.3x) motorized V/F (F1.4)	2.8 ~ 12mm (4.3x) motorized V/F (F1.4)
	Angular Field of View	H: 100°(Wide) ~ 26.2°(Tele) / V: 54°(Wide) ~ 14.8°(Tele) / D: 116°(Wide) ~ 30.0°(Tele)	H: 119.5°(Wide) ~ 27.9°(Tele) / V: 62.8°(Wide) ~ 15.7°(Tele) / D: 142.1°(Wide) ~ 32.0°(Tele)	H: 119.5°(Wide) ~ 27.9°(Tele) / V: 62.8°(Wide) ~ 15.7°(Tele) / D: 142.1°(Wide) ~ 32.0°(Tele)
OPERATIONAL	Focus Control	Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual
	IR Viewable Length	-	-	30m (98.43ft)
	Pan / Tilt / Rotate	±175° / ±73° / ±175°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
	Day & Night	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (150dB)	WDR (150dB)	WDR (120dB)
	Digital Noise Reduction	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)
	Digital Image Stabilization	Support (Built in Gyro sensor)	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
	Protocol	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI
	Alarm I/O	1 / 1	1 / 1	1 / 1
FEATURES	Audio	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
	Environment Protection	IP51, IK08	IK08	IK08
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -10°C (+14°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
	Power	Max. 8.6W (12V DC) Max. 10.2W (PoE)	Max. 6W (12V DC) Max. 6.5W (PoE)	Max. 9W (12V DC) Max. 10W (PoE)
	Dimensions (WxHxD) / Weight	Ø160.0 x 140.0mm (Ø6.30" x 5.51") 1.25 kg (2.76 lb) (XND-6085V)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 714g (1.57 lb)	Ø140.8 x 113.0mm (Ø5.54" x 4.45") 724g (1.60 lb)
	Additional Features	extraLUX, Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View

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Wisenet X
XND-L6080V



Wisenet X
XND-6010



Wisenet X
XND-6020R



Wisenet X
XND-6011F



Wisenet X
XNV-6120/6120R

2MP	2MP	2MP	2MP	2MP
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
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
2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps
Multiple (Up to 5 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
Color : 0.1Lux B/W : 0.01Lux	Color : 0.055Lux B/W : 0.0055Lux	Color : 0.015Lux B/W : 0Lux (IR LED on)	Color : 0.055Lux B/W : 0.055Lux	Color : 0.03Lux B/W : 0.003Lux (XNV-6120) Color : 0.03Lux B/W : 0Lux (IR LED on) (XNV-6120R)
CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro US B type B	Micro USB type B	CVBS 1.0Vpp, Micro USB type B
3.2 ~ 10mm (3.1x) motorized V/F (F1.6)	2.4mm fixed (F2.0)	4mm fixed (F1.4)	2.8mm fixed (F2.0)	5.2 ~ 62.4mm (Optical 12x) F1.6(Wide) / F3.0(Tele)
H : 109.0° (Wide) ~ 33.2° (Tele) / V : 57.4° (Wide) ~ 18.7° (Tele) / D : 132.0° (Wide) ~ 38.0° (Tele)	H : 139.0° / V : 73.0° / D : 167.0°	H : 88.6° / V : 47.5° / D : 104.8°	H : 112° / V : 62° / D : 130°	H : 54.58°(Wide) ~ 5.30°(Tele) / V : 32.19°(Wide) ~ 3.00°(Tele) / D : 61.40°(Wide) ~ 6.06°(Tele)
Simple focus (motorized V/F) / Manual	-	-	Manual	Auto / Manual / One shot AF
-	-	30m (98.4ft)	-	70m (229.66ft) (XNV-6120R)
0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 355° / 0° ~ 47° / 0° ~ 353°	0° ~ 354° / 0° ~ 75° / 0° ~ 355°
True (ICR)	True (ICR)	True (ICR)	Auto (Electrical)	True (ICR)
WDR (120dB)	WDR (150dB)	WDR (150dB)	WDR (150dB)	WDR (150dB)
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)
Support	Support	Support	Support	Support (Built in Gyro sensor)
Tampering, Defocus detection, Motion detection	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	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, Heatmap, Sound classification
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
-	1 / 1	1 / 1	-	1 / 1
-	Bi-Directional	Bi-Directional	Uni-Directional	Bi-Directional
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
IK08	IK08	IK08	-	IP67, IP66, NEMA 4X, IK10
-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F) * Start up above -35°C (-31°F)
Max. 6W (PoE)	Max. 5.5W (12V DC) Max. 6W (PoE)	Max. 8W (12V DC) Max. 9W (PoE)	Max. 4.7W	Max. 8.2W (24V AC), Max. 7W (12V DC), Max. 7.8W (PoE) (XNV-6120) Max. 14W (24V AC), Max. 11.5W (12V DC), Max. 12.95W (PoE) (XNV-6120R)
Ø140.8 x 113.0mm (Ø5.54" x 4.45") 675g (1.49 lb)	Ø110.0 x 90.0mm (Ø4.33" x 3.54") 365g (0.80 lb)	Ø110.0 x 90.0mm (Ø4.33" x 3.54") 380g (0.84 lb)	Ø98.9 x 129mm (Ø3.89" x 5.08") 275g (0.61 lb)	Ø160.0 x 128.5mm (Ø6.30" x 5.06") 985g (2.17 lb) (XNV-6120) 995g (2.19 lb) (XNV-6120R)
WiseStream II, Lens distortion correction, Defog, 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

* Design and specifications are subject to change without notice.



**Wisenet X
XNV-6120RS**



**Wisenet X
XNV-6085**

extraLUX



**Wisenet X
XNV-6080**



**Wisenet X
XNV-6080R**

Resolution	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/2.8" 2M CMOS	1/2" 2.17M CMOS	1/2.8" 2M CMOS
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 60fps	2M / 60fps	2M / 60fps
	Streaming Capacity	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color: 0.03Lux B/W: 0Lux (IR LED on)	Color: 0.004Lux B/W: 0.0004Lux	Color: 0.015Lux B/W: 0.0015Lux
	Video Output	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B
	Lens	5.2 ~ 62.4mm (Optical 12x) F1.6(Wide) / F3.0(Tele)	4.1 ~ 16.4mm (Optical 4x) F0.94(Wide) / F2.4(Tele)	2.8 ~ 12mm (4.3x) motorized V/F (F1.4)
	Angular Field of View	H: 54.58°(Wide) ~ 5.30°(Tele) / V: 32.19°(Wide) ~ 3.00°(Tele) / D: 61.40°(Wide) ~ 6.06°(Tele)	H: 100°(Wide) ~ 26.2°(Tele) / V: 54°(Wide) ~ 14.8°(Tele) / D: 116°(Wide) ~ 30.0°(Tele)	H: 119.5°(Wide) ~ 27.9°(Tele) / V: 62.8°(Wide) ~ 15.7°(Tele) / D: 142.1°(Wide) ~ 32.0°(Tele)
	Focus Control	Auto / Manual / One shot AF	Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual
OPERATIONAL	IR Viewable Length	70m (229.6ft)	-	-
	Pan / Tilt / Rotate	0° ~ 354° / 0° ~ 75° / 0° ~ 355°	±175° / ±73° / ±175°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
	Day & Night	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (150dB)	WDR (150dB)	WDR (150dB)
	Digital Noise Reduction	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)
	Digital Image Stabilization	Support (Built in Gyro sensor)	Support (Built in Gyro sensor)	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
	Protocol	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI
	Alarm I/O	1 / 1	1 / 1	1 / 1
	Audio	Bi-Directional	Bi-Directional	Bi-Directional
FEATURES	Edge Storage	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
	Environment Protection	IP67, IP66, NEMA 4X, IK10+	IP67, IP66, NEMA 4X, IK10	IP67, IP66, NEMA 4X, IK10
	Operating Temperature	-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)
	Power	Max. 14W (24V AC) Max. 11.5W (12V DC) Max. 12.95W (PoE)	Max. 13.5W (24V AC), Max. 11.1W (12V DC), Max. 12.1W (PoE)	Max. 8.2W (24V AC) Max. 7W (12V DC) Max. 7.8W (PoE)
	Dimensions (WxHxD) / Weight	Ø162 x 134.5mm (Ø6.38" x 5.3") TBD	Ø160.0 x 140.0mm (Ø6.30" x 4.51") 1.40kg (3.09 lb)	Ø160.0 x 118.5mm (Ø6.30" x 4.67") 985g (2.17 lb)
	Additional Features	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View, SUS316L	extraLUX, Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc) Hallway View	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View
				Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View

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Wisenet X
XNV-6080RS



Wisenet X
XNV-L6080



Wisenet X
XNV-L6080R



Wisenet X
XNV-6022R



Wisenet X
XNV-6022RM

2MP	2MP	2MP	2MP	2MP
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
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
2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps
Multiple (Up to 10 Profiles)	Multiple (Up to 5 Profiles)	Multiple (Up to 5 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
Color : 0.015Lux B/W : 0Lux (IR LED on)	Color : 0.1Lux B/W : 0.01Lux	Color : 0.1 Lux, B/W : 0Lux (IR LED on)	Color : 0.055Lux B/W : 0Lux (IR LED on)	Color : 0.055Lux B/W : 0Lux (IR LED on)
CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B	Micro USB type B	Micro USB type B
2.8 ~ 12mm (4.3x) motorized V/F (F1.4)	3.2 ~ 10mm (3.1x) motorized V/F (F1.6)	3.2 ~ 10mm (3.1x) motorized V/F (F1.6)	3.6mm fixed (F2.0)	3.6mm fixed (F2.0)
H: 119.5°(Wide) ~ 27.9°(Tele) / V: 62.8°(Wide) ~ 15.7°(Tele) / D: 142.1°(Wide) ~ 32.0°(Tele)	H: 109.0°(Wide) ~ 33.2°(Tele) / V: 57.4°(Wide) ~ 18.7°(Tele) / D: 132.0°(Wide) ~ 38.0°(Tele)	H: 109.0°(Wide) ~ 33.2°(Tele) / V: 57.4°(Wide) ~ 18.7°(Tele) / D: 132.0°(Wide) ~ 38.0°(Tele)	H: 96.4° / V: 50.5° / D: 116°	H: 96.4° / V: 50.5° / D: 116°
Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual	Simple focus (motorized V/F) / Manual	Manual	Manual
50m (164.04ft)	-	30m (98.43ft)	15m (49.21ft)	15m (49.21ft)
0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	±5° / 0 ~ 67° / ±90°	±5° / 0 ~ 67° / ±90°
True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
WDR (150dB)	WDR (120dB)	WDR (120dB)	WDR (150dB)	WDR (150dB)
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)
Support	Support	Support	Support	Support
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, Defocus detection, Motion detection	Tampering, Defocus detection, Motion detection	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
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
1 / 1	-	-	-	-
Bi-Directional	-	-	Bi-Directional	Bi-Directional
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
IP67, IP66, NEMA 4X, IK10+	IP66, IK10	IP67, IP66, NEMA 4X, IK10	IP66, NEMA 4X, IK10	IP66, NEMA 4X, IK10
-40°C ~ +55°C (-40°F ~ +131°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)
Max. 14W (24V AC) Max. 11.5W (12V DC) Max. 12.95W (PoE)	Max. 8W (PoE)	Max. 11W (PoE)	TBD (PoE)	TBD (PoE)
Ø162 x 120.5mm (Ø6.38" x 4.74") TBD	Ø160.0 x 118.5mm (Ø6.30" x 4.67") 935g (2.06 lb)	Ø160.0 x 118.5mm (Ø6.30" x 4.67") 940g (2.07 lb)	99.0 x 52.0 x 100.0mm (3.9" x 2.05" x 3.94") TBD	99.0 x 52.0 x 100.0mm (3.9" x 2.05" x 3.94") TBD
Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View, SUS316L	WiseStream II, Lens distortion correction, Defog, Hallway View	WiseStream II, Lens distortion correction, Defog, Hallway View	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View M12 Connector (XNV-6022RM)	Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View, M12 Connector

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**Wisenet X
XNV-6020R**



**Wisenet X
XNV-6013M**



**Wisenet X
XNV-6012M/6012**



**Wisenet X
XNV-6011/6011W**

	Wisenet X XNV-6020R	Wisenet X XNV-6013M	Wisenet X XNV-6012M/6012	Wisenet X XNV-6011/6011W	
VIDEO	Resolution	2MP	2MP	2MP	
	Imaging Device	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	
	Resolution / Max. Frame Rate	2M / 60fps	2M / 60fps	2M / 60fps	
	Streaming Capacity	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	
	Max. User Access	20 (Unicast)	20 (Unicast)	20 (Unicast)	
	Min. Illumination	Color : 0.015Lux B/W: 0Lux (IR LED on)	Color : 0.055Lux B/W: 0.0055Lux	Color : 0.055Lux B/W: 0.055Lux	
	Video Output	CVBS 1.0Vpp, Micro USB type B	Micro USB type B	Micro USB type B	
	Lens	4mm fixed (F1.4)	2.8mm fixed (F2.0)	2.4mm fixed (F2.0)	
	Angular Field of View	H:88.6°/V:47.5°/D:104.8°	H:110.2°/V:62.7°/D:125.4°	H:139°/V:73°/D:167°	
OPERATIONAL	Focus Control	Manual	Manual	Manual	
	IR Viewable Length	30m (98.43ft)	-	-	
	Pan / Tilt / Rotate	0° ~ 354° / 0° ~ 67° / 0° ~ 355°	±5° / 12° / ±90°	±5° / 0 ~ 67° / ±90°	
	Day & Night	True (ICR)	True (ICR)	True (ICR)	
	Backlight Compensation	WDR (150dB)	WDR (150dB)	WDR (150dB)	
	Digital Noise Reduction	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)	
	Digital Image Stabilization	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, 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, Face detection, Motion detection, Digital auto tracking, People counting, Heatmap, Queue management
	Protocol	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	
	Alarm I/O	1 / 1	-	-	
FEATURES	Audio	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	
	Environment Protection	IP67, IP66, IK10	IP67, IK10, NEMA4X, IP6K9K	IP66, IK10, NEMA4X	
	Operating Temperature	-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)	-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -20°C (-4°F)	
	Power	Max. 8W (12V DC) Max. 9W (PoE)	TBD (PoE)	TBD (PoE)	
	Dimensions (WxHxD) / Weight	Ø120.0 x 97.5mm (Ø4.72" x 3.84") 615g (1.36lb)	105 x 74 x 128mm (4.13" x 2.91" x 5.04") (TBD)	99.0 x 52.0 x 100.0mm (3.9" x 2.05" x 3.94") (TBD)	
	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, M12 Connector	Handover, WiseStream II, Advanced video analytics, Sound classification, (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View, M12 Connector (XNV-6012M)	
				Handover, WiseStream II, Advanced video analytics, Hallway View, XNV-6011W (White color)	

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Wisenet X XNV-6010	Wisenet X XNP-6370RH	Wisenet X XNP-6320H	Wisenet X XNP-6320	Wisenet X XNP-6320HS
2MP	2MP	2MP	2MP	2MP
1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/2.8" 2.4M CMOS	1/2.8" 2.4M CMOS	1/2.8" 2.4M CMOS
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
2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps	2M / 60fps
Multiple (Up to 10 Profiles)	Multiple (Up to 3 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
20 (Unicast)	15 (Unicast)	20 (Unicast)	20 (Unicast)	20 (Unicast)
Color: 0.055Lux B/W: 0.005Lux	Color: 0.05Lux B/W: 0Lux (IR LED on)	Color: 0.05Lux B/W: 0.005Lux	Color: 0.05Lux B/W: 0.005Lux	Color: 0.05Lux B/W: 0.005Lux
CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B
2.4mm fixed (F2.0)	6 ~ 224mm (IR Corrected Optical 37x) F1.5(Wide) / F4.6(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)
H: 139.0° / V: 73.0° / D: 167.0°	H: 59.3°(Wide) ~ 1.9°(Tele) / V: 35.8°(Wide) ~ 1.1°(Tele)	H: 61.8°(Wide) ~ 2.19°(Tele) / V: 36.2°(Wide) ~ 1.24°(Tele)	H: 61.8°(Wide) ~ 2.19°(Tele) / V: 36.2°(Wide) ~ 1.24°(Tele)	H: 61.8°(Wide) ~ 2.19°(Tele) / V: 36.2°(Wide) ~ 1.24°(Tele)
Manual	AF / One-shot AF / Manual	Auto / Manual / One shot AF	Auto / Manual / One shot AF	Auto / Manual / One shot AF
-	350m (1,148.29ft)	-	-	-
0° ~ 354° / 0° ~ 67° / 0° ~ 355°	360° Endless / 190° (-5° ~ 185°) / -	360° Endless / 210° (-15° ~ 195°)	360° Endless / 210° (-15° ~ 195°)	360° Endless / 210° (-15° ~ 195°)
True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
WDR (150dB)	WDR (120dB)	WDR (150dB)	WDR (150dB)	WDR (150dB)
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)
Support	Support (Built in Gyro sensor)	Support (Built in Gyro sensor)	Support (Built in Gyro sensor)	Support (Built in Gyro sensor)
Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Motion detection, Face detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management	Tampering, Crossing, Enter/Exit, (Dis)Appear, Audio detection	Tampering, Loitering, Directional detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Sound classification	Tampering, Loitering, Directional detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Sound classification	Tampering, Loitering, Directional detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Sound classification
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
1 / 1	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)	4 / 2 (Relay)
Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional
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
IP67, IP66, NEMA 4X, IK10	IP66, IK10	IP66, IK10	IK10 (with SHP-3701H)	IP67, IP66, NEMA4X, IK10
-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -20°C (-4°F)	-50°C ~ +55°C (-58°F ~ +131°F) 7.1Kg (15.65 lb)	-50°C ~ +55°C (-58°F ~ +131°F) (24V AC) -35°C ~ +55°C (-31°F ~ +131°F) (PoE+) * Start up above -30°C (-22°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F) (24V AC) -35°C ~ +55°C (-31°F ~ +131°F) (PoE+) * Start up above -25°C (-13°F)
Max. 5.5W (12V DC) Max. 6W (PoE)	Max. 60.0W / 90.0W - Heater off / on, IR on (24V AC)	Max. 24.0W - Heater off (24V AC, PoE+) Max. 65.0W - Heater on (24V AC)	Max. 20.0W (24V AC, PoE+)	Max. 24.0W - Heater off (24V AC, PoE+) Max. 65.0W - Heater on (24V AC)
Ø120.0 x 97.5mm (Ø4.72" x 3.84") 625g (1.38 lb)	Ø236.9 x 407.7mm (Ø9.33" x 16.05") 7.1Kg (15.65 lb)	Ø220.0 x 293.6mm (Ø8.66" x 11.56") 3.3Kg (7.28 lb)	Ø152.0 x 218.0mm (Ø5.98" x 8.58") 2.2Kg (4.85 lb)	Ø227 x 296mm (Ø8.94" x 11.65") TBD
Handover, WiseStream II, Advanced video analytics, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), Hallway View	Defog, WiseStream, Auto tracking	WiseStream II, Advanced video analytics, Auto Tracking, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc)	WiseStream II, Advanced video analytics, Auto Tracking, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc)	WiseStream II, Advanced video analytics, Auto Tracking, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc), SUS316L

※ Design and specifications are subject to change without notice.



**Wisenet X
XNP-6120H**



**Wisenet X
XNP-6040H**

		Wisenet X XNP-6120H	Wisenet X XNP-6040H
VIDEO	Resolution	2MP	2MP
	Imaging Device	1/2.8" 2M CMOS	1/2.8" 2M CMOS
	Video Compression Format	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Resolution / Max. Frame Rate	2M / 60fps	2M / 60fps
	Streaming Capacity	Multiple (Up to 10 Profiles)	Multiple (Up to 10 Profiles)
	Max. User Access	20 (Unicast)	20 (Unicast)
	Min. Illumination	Color : 0.03Lux B/W: 0.003Lux	Color : 0.015Lux B/W: 0.0015Lux
	Video Output	CVBS 1.0Vpp, Micro USB type B	CVBS 1.0Vpp, Micro USB type B
	Lens	5.2 ~ 62.4mm (Optical 12x) F1.6(Wide) / F3.0(Tele)	2.8 ~ 12mm (Optical 4.3x) (F1.4)
	Angular Field of View	H : 54.58°(Wide) ~ 5.30°(Tele) / V : 32.19°(Wide) ~ 3.00°(Tele)	H : 119.5°(Wide) ~ 27.9°(Tele) / V : 62.8°(Wide) ~ 15.7°(Tele) / D : 142.1°(Wide) ~ 32.0°(Tele)
OPERATIONAL	Focus Control	Auto / Manual / One shot AF	Auto / Manual / One shot AF
	IR Viewable Length	-	-
	Pan / Tilt / Rotate	360° Endless / 190° (-5° ~ 185°)	0° ~ 355° / 0° ~ 90°
	Day & Night	True (ICR)	True (ICR)
	Backlight Compensation	WDR (150dB)	WDR (150dB)
	Digital Noise Reduction	SSNRV (2D+3D Noise filter)	SSNRV (2D+3D Noise filter)
	Digital Image Stabilization	Support (Built in Gyro sensor)	Support (Built in Gyro sensor)
	Video & Audio Analytics	Tampering, Loitering, Directional detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Sound classification	Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Digital Auto Tracking, Sound classification
	Protocol	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI
	Alarm I/O	1 / 1	1 / 1
FEATURES	Audio	Bi-Directional	Bi-Directional
	Edge Storage	SD/SDHC/SDXC, NAS, Local PC	SD/SDHC/SDXC, NAS, Local PC
	Environment Protection	IP66, IK10	IP66, IK10
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F)
	Power	Max. 12W (12V DC, PoE)	Max. 8.6W (12V DC) Max. 9.6W (PoE)
	Dimensions (WxHxD) / Weight	Ø168.0 x 161.5mm (Ø6.1" x 6.36") 1.9kg (4.19 lb)	Ø136.1 x 106.1mm (Ø5.36" x 4.18") 0.78 kg (1.72 lb)
	Additional Features	WiseStream II, Advanced video analytics, Auto Tracking, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc)	WiseStream II, Advanced video analytics, Auto Tracking, Sound classification (Explosion, Gunshot, Glass breakage, Scream etc)

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Memo



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