



# WISENET Q series

5MP/2MP Cameras



WISENET

# High Quality Cameras Offering Cost Effective Solutions

Wisenet Q series cameras are affordable products equipped with features essential to the creation of a safe and secure environment. Being able to deliver sharp and clear images in 5MP & 2MP makes it an ideal product in securing small to medium sized spaces such as retail or banking spaces and offices.

- ✓ Compact design with affordable price
- ✓ 5MP & 2MP resolution
- ✓ Maximum 30fps framerate
- ✓ WDR 120dB
- ✓ WiseStream II
- ✓ Intelligent video analytics
- ✓ IR viewable length up 30m
- ✓ Hallway view (Rotate 90° / 270°)
- ✓ Micro SD/SDHC/SDXC memory slot
- ✓ Video output CVBS, PoE

*\*Varies by model*



## 5MP and 2MP resolutions

The Wisenet Q series is available in two resolution options to give you the freedom to choose the cameras that best fits your security needs. 5MP Q series cameras can support up to 30fps, providing real-time video with 2592 x 1944 resolution and up to 15fps of WDR performance providing crisp and vivid monitoring.



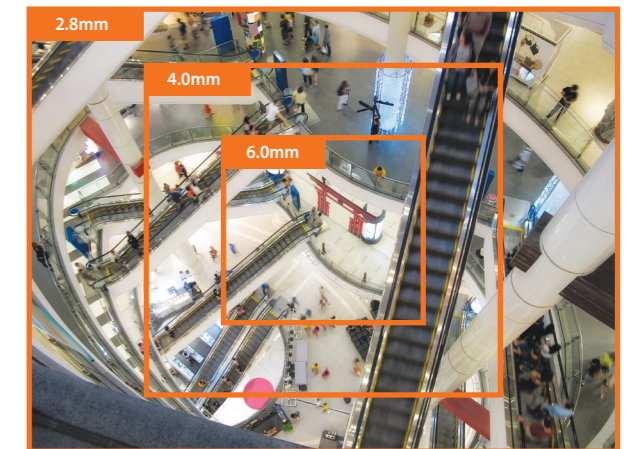
## Wide range of indoor and outdoor cameras

	BULLET		DOME			VANDAL DOME		FLATEYE
	Fixed IR	V/F IR	Fixed IR	V/F IR	Fixed	Fixed IR	V/F IR	
5MP								
	QNO-8030R / 8020R / 8010R	QNO-8080R	QND-8030R / 8020R QND-8010R	QND-8080R	QND-8021 / 8011	QNV-8030R / 8020R QNV-8010R	QNV-8080R	QNE-8021R / 8011R
2MP								
	QNO-6032R / 6022R / 6012R	QNO-6082R	QND-6032R / 6022R QND-6012R	QND-6082R	QND-6021 / 6011	QNV-6032R / 6022R QNV-6012R	QNV-6082R	

## Various lens options

### Fixed Lens

The Wisenet Q series fixed-lens models are available with focal lengths of 2.8mm, 4.0mm and 6.0mm. The 2.8mm lens is available if you prefer a wide-angle view. If an area to monitor is located further away from the camera, the 6.0mm lens can be utilized.



### Varifocal Lens

The 3.2 ~ 10mm (3.1x) varifocal lens, created by Hanwha Techwin's own advanced technology, offers greater flexibility in the field of view. The motorized varifocal option provides quick and easy focus using the simple focus feature.





## Enhanced video analytics

Wisenet Q series cameras are equipped with a wide range of Intelligent Video Analytics features, helping users detect different types of incidents and have full situational awareness of their facility.



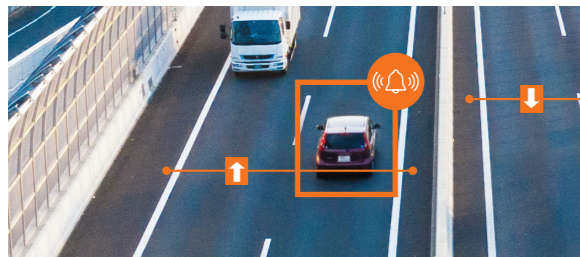
### Defocus Detection

Create an alarm if the focus is blurred.



### Tampering Detection

Create an alarm if the camera lens is covered or an unauthorized movement changes the field of view.



### Directional Detection

Create an alarm if an object is detected in the preset direction.



### Motion Detection

Create an alarm if movement is detected in a designated area.



### Virtual Line

Create an alarm if an object is detected passing through a virtual line.



### Enter / Exit

Create an alarm if an object enters or exits a designated area.

## Analog video output for easier installation

The Wisenet Q series cameras support analog video (CVBS) output for easier installation. During the installation, a monitor can be connected to the monitor port to adjust and configure the viewing angle and the focus.\*

\*Varies by model



## Reduce bandwidth requirements by up to 99% using WiseStream II

Using WiseStream II, Hanwha Techwin's own video compression technology, with H.265 compression allows Wisenet Q series cameras to reduce bandwidth usage by up to 99% when compared to H.264 technology. As a result, system costs, such as network infrastructure and data storage, are also greatly reduced.



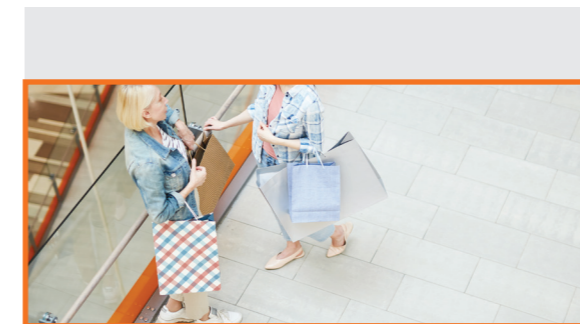
WiseStream II OFF : 7160kbps  
WiseStream II ON : 74kbps



WiseStream II OFF : 7260kbps  
WiseStream II ON : 1817kbps

## Hallway view for monitoring vertical shaped areas

Conventional horizontally oriented video streams waste bandwidth and storage along their edges in narrow areas such as store aisles or long hallways. Hallway view created a vertically oriented 3 : 4 or 9 : 16 ratio video stream to maximize usable image space in a narrow environment.



Conventional



Hallway view



# Small yet Powerful



## WISeNET Q mini 5MP/2MP Super-compact Cameras

### Super-compact design that fits everywhere

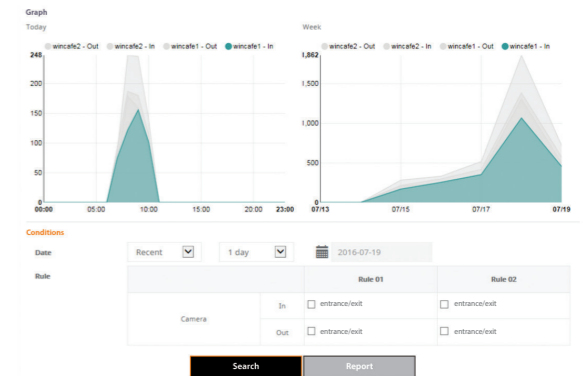
With a base diameter of only 99mm (3.9in), the super compact Wisenet Q mini series blends perfectly into any environment.



## Business intelligence for smarter retail

### People Counting

People counting applications within a store allow marketing personnel to identify the busiest times of the day, helping them manage customer flow and better understand buying patterns.



## HDMI live video output for Public View Monitor

Public view monitors are a convenient way of promoting the safety of retail customers and staff for store management. Wisenet Q mini cameras support HDMI video output for easy connection with Public View Monitors.

*\*QND-8011 and QND-8021 only*





# Product Specifications



**QNO-8080R**  
5MP IR Bullet



**QNO-8030R**  
5MP IR Bullet



**QNO-8020R**  
5MP IR Bullet



**QNO-8010R**  
5MP IR Bullet



**QND-8080R**  
5MP IR Dome



**QND-8030R**  
5MP IR Dome



**QND-8020R**  
5MP IR Dome



**QND-8010R**  
5MP IR Dome



**QNV-8080R**  
5MP IR Vandal Dome



**QNV-8030R**  
5MP IR Vandal Dome

Imaging Device	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS
Min. Illumination	Color : 0.15Lux (F1.6) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F2.0) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F1.6) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F2.0) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F1.6) B/W : 0Lux (IR LED on)
Video Output	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p
Focal Length	3.2~10mm (3.1x) motorized varifocal	6.0mm fixed	4.0mm fixed	2.8mm fixed	3.2~10mm (3.1x) motorized varifocal
Angular Field of View	H : 100.3°(Wide)~31.2°(Tele) / V : 72.3°(Wide)~23.5°(Tele) / D : 133.1°(Wide)~38.8°(Tele)	H : 49.4°/V : 37.4°/D : 61.0°	H : 79.8°/V : 58.1°/D : 105.9°	H : 104.7°/V : 76.5°/D : 136.0°	H : 100.3°(Wide)~31.2°(Tele) / V : 72.3°(Wide)~23.5°(Tele) / H : 133.1°(Wide)~38.8°(Tele)
Pan / Tilt / Rotate	-	-	-	-	0°~350° / 0°~67° / 0°~355°
IR Viewable Length	30m (98.43ft)	30m (98.42ft)	25m (82.02ft)	20m (65.62ft)	20m (65.62ft)
Day & Night	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)
Wide Dynamic Range	120dB	120dB	120dB	120dB	120dB
Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNR
Analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Audio I/O	-	-	-	-	-
Video Compression	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	5MP / 30fps	5MP / 30fps	5MP / 30fps	5MP / 30fps	5MP / 30fps
WiseStream	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II
Streaming	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles
Edge Storage	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC
Application Programming Interface	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform
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 ~ +50°C (+14°F ~ +122°F)
Certification	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	-
Power Consumption	PoE : Max 9.5W, typical 7.3W	PoE : Max 7.5W, typical 6.1W	PoE : Max 7.5W, typical 6.1W	PoE : Max 7.5W, typical 6.1W	PoE : Max 8.9W, typical 6.6W
Dimensions (WxHxD) / Weight	Ø91 x 322.9mm (Ø3.58" x 12.71") 1190g (2.624 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") 680g (1.499 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") 680g (1.499 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") 680g (1.499 lb)	Ø120.3 x 102.0mm (Ø4.74" x 4.02") 430g (0.948 lb)
Additional Features	Hallway View	Hallway View	Hallway View	Hallway View	Hallway View

Imaging Device	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS
Min. Illumination	Color : 0.15Lux (F2.0) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F1.6) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F2.0) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F1.6) B/W : 0Lux (IR LED on)	Color : 0.15Lux (F2.0) B/W : 0Lux (IR LED on)
Video Output	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p	CVBS 1.0Vp-p
Focal Length	6.0mm fixed	4.0mm fixed	2.8mm fixed	3.2~10mm (3.1x) motorized varifocal	6.0mm fixed
Angular Field of View	H : 49.4°/V : 37.4°/D : 61.0°	H : 79.8°/V : 58.1°/D : 105.9°	H : 104.7°/V : 76.5°/D : 136.0°	H : 100.3°(Wide)~31.2°(Tele) / V : 72.3°(Wide)~23.5°(Tele) / H : 133.1°(Wide)~38.8°(Tele)	H : 49.4°/V : 37.4°/D : 61.0°
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°	0°~350° / 0°~67° / 0°~355°
IR Viewable Length	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	30m (98.42ft)	30m (98.42ft)
Day & Night	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)
Wide Dynamic Range	120dB	120dB	120dB	120dB	120dB
Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNR
Analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Audio I/O	-	-	-	-	-
Video Compression	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	5MP / 30fps	5MP / 30fps	5MP / 30fps	5MP / 30fps	5MP / 30fps
WiseStream	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II
Streaming	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles
Edge Storage	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC
Application Programming Interface	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°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)
Certification	-	-	-	IP66, IK10	IP66, IK10
Power Consumption	PoE : Max 6.8W, typical 5.0W	PoE : Max 6.8W, typical 5.0W	PoE : Max 7.5W, typical 5.8W	PoE : Max 8.9W, typical 6.6W	PoE : Max 7.2W, typical 5.4W
Dimensions (WxHxD) / Weight	Ø110.6 x 89.5mm (Ø4.35" x 3.52") 360g (0.794 lb)	Ø110.6 x 89.5mm (Ø4.35" x 3.52") 360g (0.794 lb)	Ø110.6 x 89.5mm (Ø4.35" x 3.52") 360g (0.794 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 700g (1.543 lb)	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 510g (1.124 lb)
Additional Features	Hallway View	Hallway View	Hallway View	Hallway View	Hallway View



# Product Specifications



**QNV-8020R**  
5MP IR Vandal Dome



**QNV-8010R**  
5MP IR Vandal Dome



**QNE-8021R**  
5MP IR Flateye



**QNE-8011R**  
5MP IR Flateye



**QNO-6082R**  
2MP IR Bullet



**QNO-6032R**  
2MP IR Bullet

Imaging Device	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Min. Illumination	Color: 0.15Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.15Lux (F2.0) B/W: 0Lux (IR LED on)	Color: 0.15Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.15Lux (F2.0) B/W: 0Lux (IR LED on)	Color: 0.095Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F2.0) B/W: 0Lux (IR LED on)
Video Output	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	-	-	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p
Focal Length	4.0mm fixed	2.8mm fixed	4.0mm fixed	2.8mm fixed	3.2~10mm (3.1x) motorized varifocal	6mm fixed
Angular Field of View	H: 79.8°/V: 58.1°/D: 105.9°	H: 104.7°/V: 76.5°/D: 136.0°	H: 80.1°/V: 58.0°/D: 105.8°	H: 104.4°/V: 76.7°/D: 136.1°	H: 109.0°(Wide)~33.2°(Tele) / V: 57.4°(Wide)~18.7°(Tele) / D: 132.0°(Wide)~38.0°(Tele) / H: 52.8°/V: 30.3°/D: 60.4°	H: 52.8°/V: 30.3°/D: 60.4°
Pan / Tilt / Rotate	0°~350° / 0°~67° / 0°~355°	0°~350° / 0°~67° / 0°~355°	0°~350° / 0°~75° / 0°~360°	0°~350° / 0°~75° / 0°~360°	-	-
IR Viewable Length	25m (82.02ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	30m (98.43ft)	30m (98.43ft)
Day & Night	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)
Wide Dynamic Range	120dB	120dB	120dB	120dB	120dB	120dB
Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNR	SSNR
Analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics
Alarm I/O	1 / 1	1 / 1	-	-	1 / 1	1 / 1
Audio I/O	-	-	-	-	Selectable (mic in/line in) / -	Selectable (mic in/line in) / -
Video Compression	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	5MP / 30fps	5MP / 30fps	5MP / 30fps	5MP / 30fps	2MP / 30fps	2MP / 30fps
WiseStream	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II
Streaming	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles
Edge Storage	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC
Application Programming Interface	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform
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)	-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)
Certification	IP66, IK10	IP66, IK10	IP67, IK10	IP67, IK10	IP66, IK10	IP66, IK10
Power Consumption	PoE: Max 7.2W, typical 5.4W	PoE: Max 7.5W, typical 5.8W	PoE: Max 7.4W, typical 5.5W	PoE: Max 7.4W, typical 5.5W	PoE: Max 7.4W, typical 5.4W 12VDC: Max 6.5W	PoE: Max 7W, typical 5.2W 12VDC: Max 6.1W
Dimensions (WxHxD) / Weight	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 510g (1.124 lb)	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 510g (1.124 lb)	Ø125x87.35mm (Ø4.92" x 3.44") 645g (1.422 lb)	Ø125x87.35mm (Ø4.92" x 3.44") 645g (1.422 lb)	Ø78.0 x 259.8mm (Ø3.07" x 10.23") 900g (1.984 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") 700g (1.543 lb)
Additional Features	Hallway View	Hallway View	Hallway View	Hallway View	Hallway View	Hallway View



**QNO-6022R**  
2MP IR Bullet



**QNO-6012R**  
2MP IR Bullet



**QND-6082R**  
2MP IR Dome



**QND-6032R**  
2MP IR Dome



**QND-6022R**  
2MP IR Dome



**QND-6012R**  
2MP IR Dome

Imaging Device	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Min. Illumination	Color: 0.1Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F2.0) B/W: 0Lux (IR LED on)	Color: 0.095Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F2.0) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F2.0) B/W: 0Lux (IR LED on)
Video Output	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p
Focal Length	4mm fixed	2.8mm fixed	3.2~10mm (3.1x) motorized varifocal	6mm fixed	4mm fixed	2.8mm fixed
Angular Field of View	H: 87.6° / V: 46.4° / D: 104.5°	H: 113.74° / V: 61.5° / D: 134.45°	H: 109.0°(Wide)~33.2°(Tele) / V: 57.4°(Wide)~18.7°(Tele) / D: 132.0°(Wide)~38.0°(Tele)	H: 52.8°/V: 30.3°/D: 60.4°	H: 87.6° / V: 46.4° / D: 104.5°	H: 113.74° / V: 61.5° / D: 134.45°
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°
IR Viewable Length	25m (82.02ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)
Day & Night	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)
Wide Dynamic Range	120dB	120dB	120dB	120dB	120dB	120dB
Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNR	SSNR
Analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Audio I/O	Selectable (mic in/line in) / -	Selectable (mic in/line in) / -	Built-in mic / -	Built-in mic / -	Built-in mic / -	Built-in mic / -
Video Compression	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	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps
WiseStream	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II
Streaming	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles
Edge Storage	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC
Application Programming Interface	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform
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)	-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)
Certification	IP66, IK10	IP66, IK10	-	-	-	-
Power Consumption	PoE: Max 7W, typical 5.2W 12VDC: Max 6.1W	PoE: Max 7W, typical 5.2W 12VDC: Max 6.1W	PoE: Max 7.7W, typical 6W 12VDC: Max 6.5W	PoE: Max 7.4W, typical 6W 12VDC: Max 6.4W	PoE: Max 7.4W, typical 6W 12VDC: Max 6.4W	PoE: Max 7.4W, typical 6W 12VDC: Max 6.4W
Dimensions (WxHxD) / Weight	Ø70.0 x 246.0mm (Ø2.76" x 9.69") 700g (1.543 lb)	Ø70.0 x 246.0mm (Ø2.76" x 9.69") 700g (1.543 lb)	Ø119.8 x 98.8mm (Ø4.72" x 3.89") 320g (0.705 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 255g (0.562 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 255g (0.562 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 255g (0.562 lb)
Additional Features	Hallway View	Hallway View	Hallway View	Hallway View	Hallway View	Hallway View



# Product Specifications



**QNV-6082R**  
2MP IR Vandal Dome



**QNV-6032R**  
2MP IR Vandal Dome



**QNV-6022R**  
2MP IR Vandal Dome



**QNV-6012R**  
2MP IR Vandal Dome



**QNF-9010**  
12MP 360° Indoor Fisheye



**QNF-8010**  
6MP 360° Indoor Fisheye



**QND-8011**  
5MP Dome



**QND-8021**  
5MP Dome



**QND-6011**  
2MP Dome



**QND-6021**  
2MP Dome

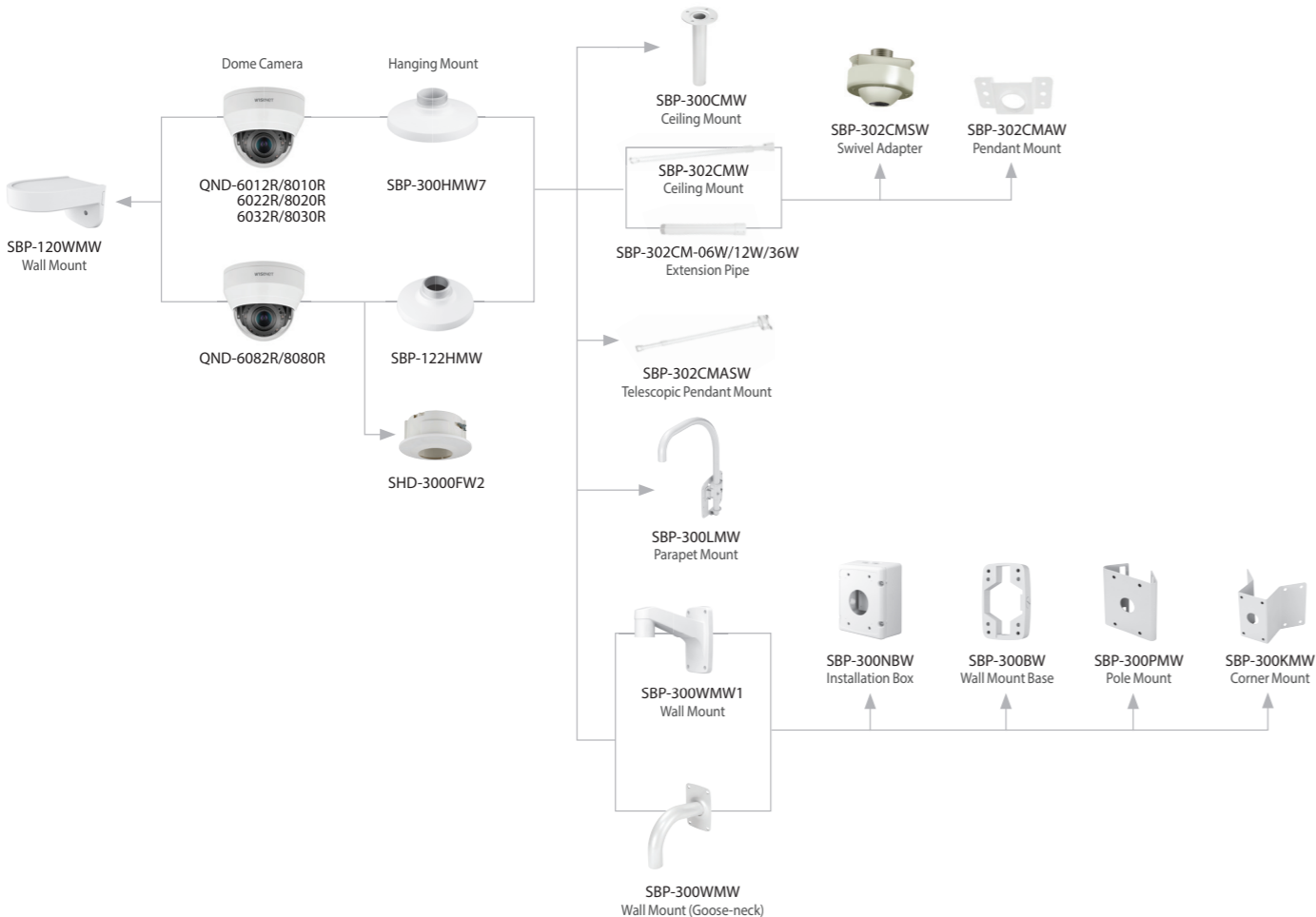
Imaging Device	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.3" 12MP CMOS	1/1.8" 6MP CMOS
Min. Illumination	Color: 0.095Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F2.0) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F1.6) B/W: 0Lux (IR LED on)	Color: 0.1Lux (F2.0) B/W: 0Lux (IR LED on)	Color: 0.39Lux (F2.2, 1/30sec)	Color: 0.2Lux (F2.5, 1/30sec)
Video Output	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p	CVBS 1.0 Vp-p
Focal Length	3.2~10mm (3.1x) motorized varifocal	6mm fixed	4mm fixed	2.8mm fixed	1.08mm fixed	1.14mm fixed
Angular Field of View	H: 109.0°(Wide)~33.2°(Tele) / V: 57.4°(Wide)~18.7°(Tele) / D: 132.0°(Wide)~38.0°(Tele)	H: 52.8°/V: 30.3° / D: 60.4°	H: 87.6°/V: 46.4° / D: 104.5°	H: 113.74°/V: 61.5° / D: 134.45°	H: 187°/V: 187° / D: 187°	H: 187°/V: 187° / D: 187°
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°	-	-
IR Viewable Length	30m (98.42ft)	30m (98.42ft)	25m (82.02ft)	20m (65.62ft)	-	-
Day & Night	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (ICR)	Auto (Electrical)	Auto (Electrical)
Wide Dynamic Range	120dB	120dB	120dB	120dB	120dB	120dB
Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNRV	SSNRV
Analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Intelligent analytics	Defocus detection, Motion detection, Tampering	Defocus detection, Motion detection, Tampering
Alarm I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Audio I/O	Selectable (mic in/line in) / -	Selectable (mic in/line in) / -	Selectable (mic in/line in) / -	Selectable (mic in/line in) / -	Selectable (mic in/line in) / -	Selectable (mic in/line in) / -
Video Compression	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	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps
WiseStream	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II	WiseStream II
Streaming	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles	Up to 3 Profiles
Edge Storage	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC	Micro SD/SDHC/SDXC
Application Programming Interface	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform	ONVIF profile S/G/T, SUNAPI, Wisenet open platform
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 ~ +40°C (+14°F ~ +104°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Certification	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP42	IP42
Power Consumption	PoE: Max 7.7W, typical 6W 12VDC: Max 6.5W	PoE: Max 7.4W, typical 6W 12VDC: Max 6.4W	PoE: Max 7.4W, typical 6W 12VDC: Max 6.4W	PoE: Max 7.4W, typical 6W 12VDC: Max 6.4W	PoE: Max 7.7W, typical 6.4W	PoE: Max 6.4W, typical 4.6W
Dimensions (WxHxD) / Weight	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 710g (1.565 lb)	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 510g (1.124 lb)	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 510g (1.124 lb)	Ø120.3 x 91.7mm (Ø4.74" x 3.61") 510g (1.124 lb)	Ø99 x 49mm, (370g)	Ø99 x 49mm (Ø3.9" x 1.93") 320g (0.705 lb)
Additional Features	Hallway View	Hallway View	Hallway View	Hallway View	People counting, Heatmap	People counting, Heatmap

Imaging Device	1/2.8" 5MP CMOS		1/2.8" 2MP CMOS	
Video Compression	H.265/H.264: MAIN/HIGH, MJPEG			
Resolution / Frame Rate	5M / 30fps		2M / 30fps	
Streaming Capacity	Up to 3 Profiles		Up to 3 Profiles	
Min. Illumination	Color: 0.15Lux (F2.0, 1/30sec)	Color: 0.15Lux (F1.6, 1/30sec)	Color: 0.1Lux (F2.0, 1/30sec)	Color: 0.1Lux (F1.6, 1/30sec)
Video Output	HDMI: 1080p@30/25fps (60/50Hz)		-	
Focal Length (Zoom Ratio)	2.8mm fixed (F2.0)	4.0mm fixed focal (F1.6)	2.8mm fixed (F2.0)	4.0mm fixed focal (F1.6)
Angular Field of View	H: 104.4°/V: 76.7°/D: 136.1°	H: 80.1°/V: 58.0°/D: 105.8°	H: 113.74°/V: 61.5°/D: 134.45°	H: 87.6°/V: 46.4°/D: 104.5°
IR Viewable Length	-			
Pan / Tilt / Rotate	0°~350° / 0°~69° / 0°~360°			
Day & Night	Auto (ICR)			
Backlight Compensation	120dB			
Digital Noise Reduction	SSNRV			
Analytics	Defocus detection, Motion detection, Tampering			
Business Intelligence	People Counting			
Application Programming Interface	ONVIF S/G/T, SUNAPI, Wisenet open platform			
Edge Storage	Micro SD/SDHC/SDXC, 128GB			
Operating Temperature	-10°C ~ +40°C (+14°F ~ +104°F)		-10°C ~ +55°C (+14°F ~ +131°F)	
Certification	IP42, IK08			
Power Consumption	PoE: Max 5W		PoE: Max 4.8W	
Dimension (WxHxD) / Weight	Ø99 x 56mm (Ø3.9 x 2.2"), 165g (0.364 lb)		Ø99 x 56mm (Ø3.9 x 2.2"), 145g (0.320 lb)	
Additional Features	WiseStream II, Hallway View			

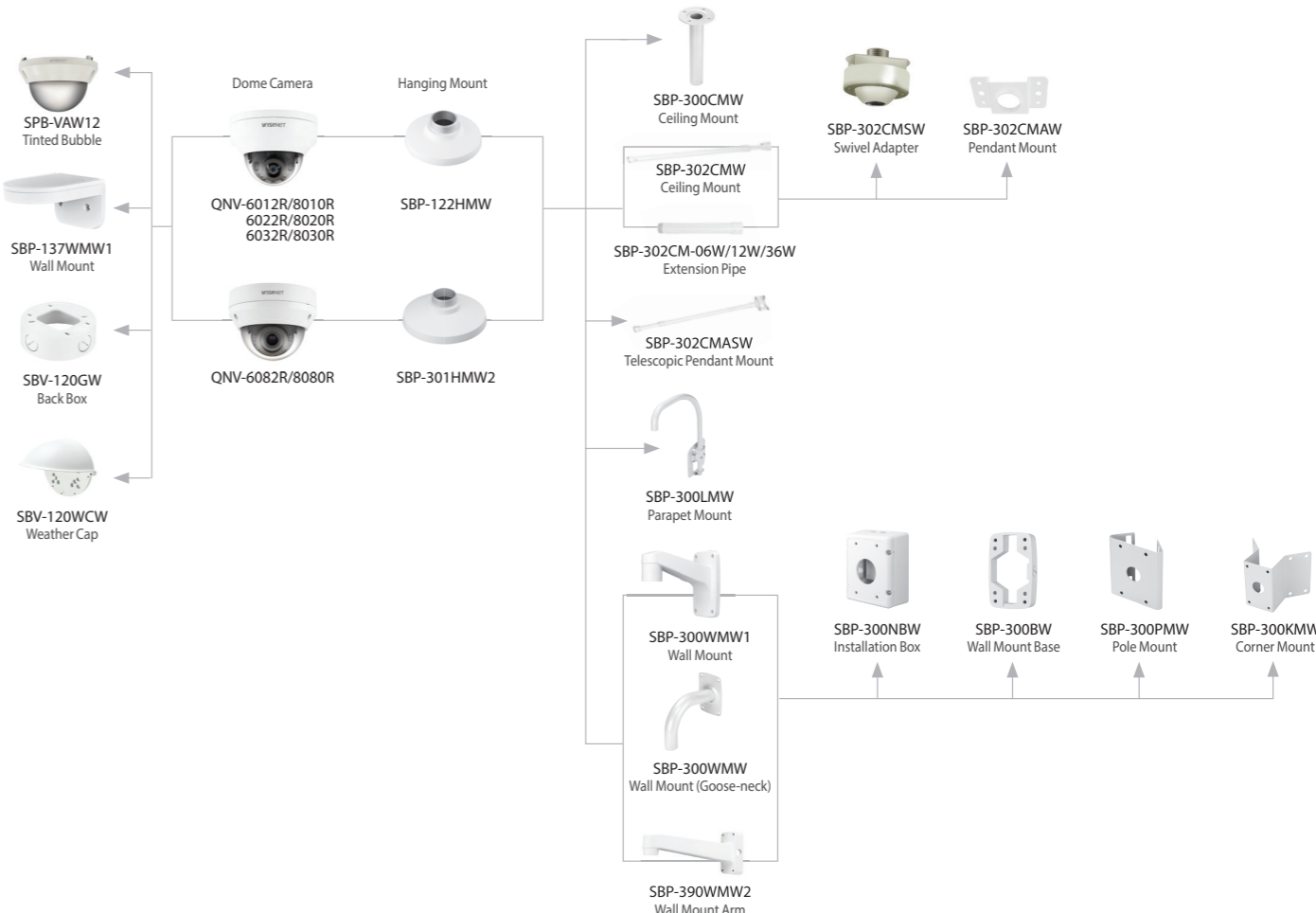


# Accessory Configuration

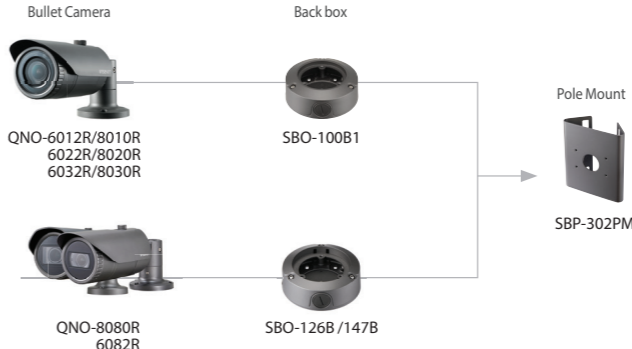
## Dome



## Vandal

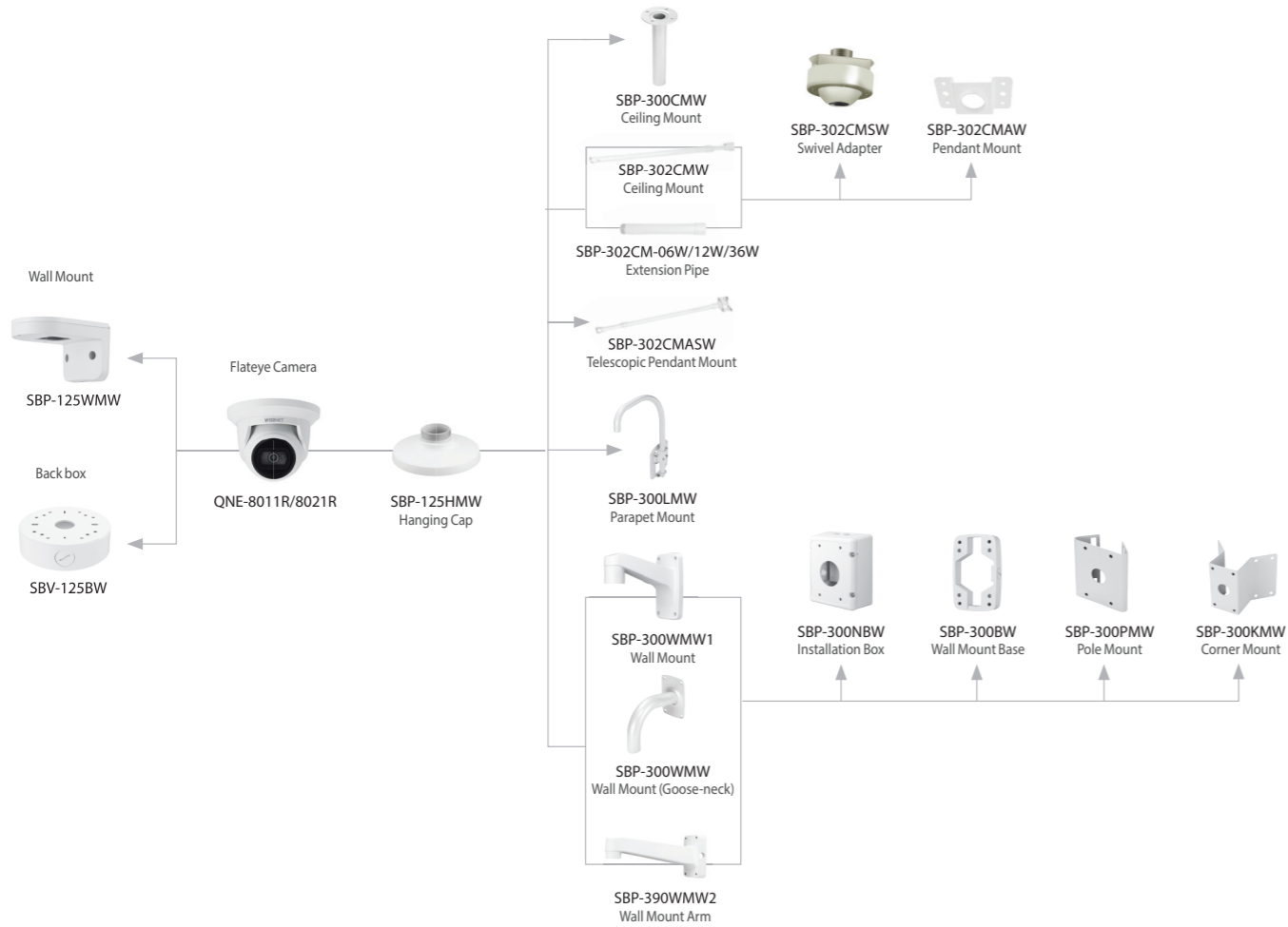


## Bullet

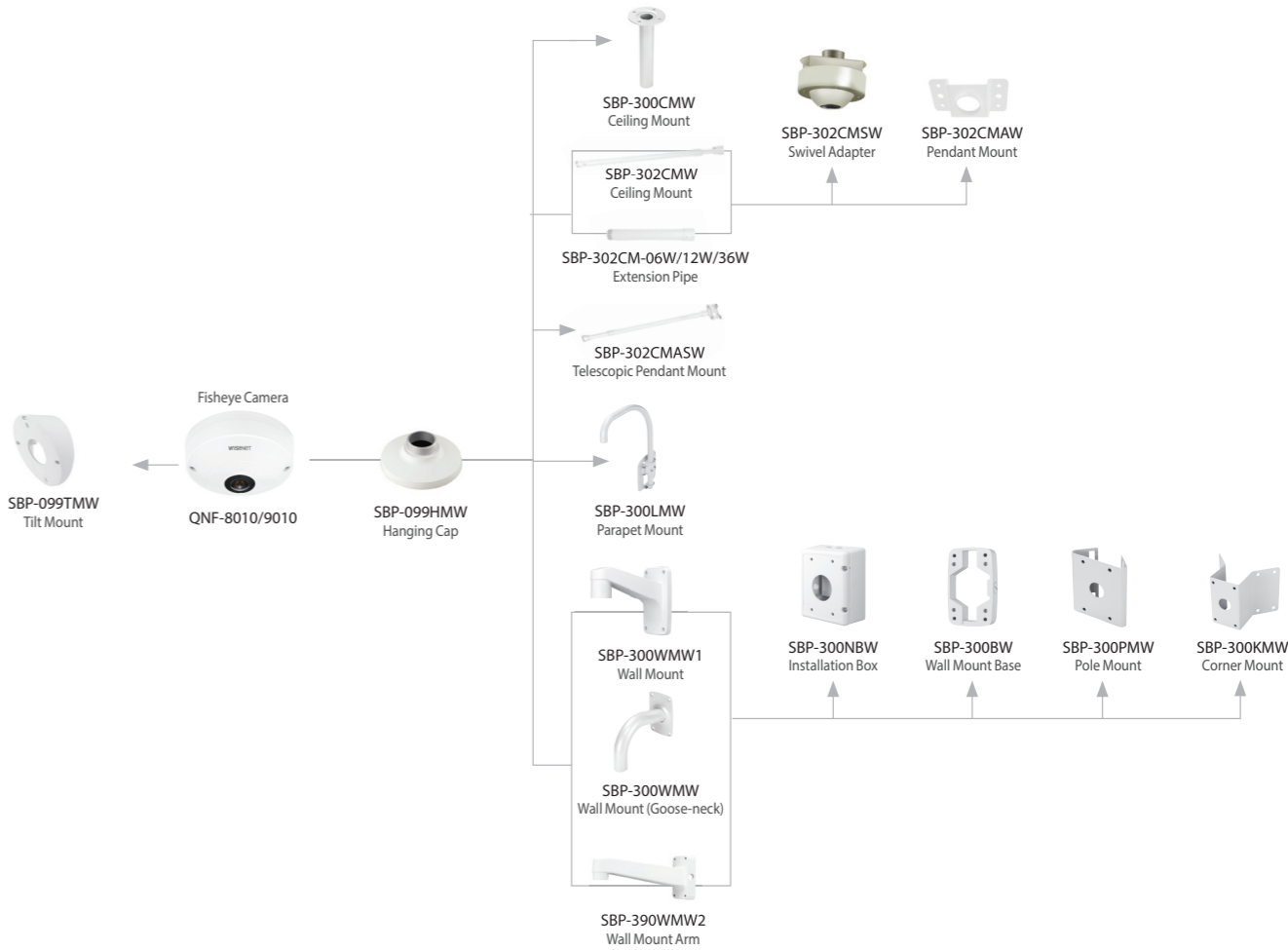


# Accessory Configuration

## Flateye



## Fisheye







For more information visit us at

**HanwhaSecurity.com**



**Hanwha Techwin America**

500 Frank W. Burr Blvd. Suite 43 Teaneck, NJ 07666

Toll Free : +1.877.213.1222

Direct : +1.201.325.6920

Fax : +1.201.373.0124

[www.hanwhasecurity.com](http://www.hanwhasecurity.com)

© 2021 Hanwha Techwin Co., Ltd. All rights reserved.

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Under no circumstances, this document shall be reproduced, distributed or changed, partially or wholly, without formal authorization of Hanwha Techwin Co., Ltd.

\* Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.