

# QNO-6012R/6022R/6032R

2MP Network IR Bullet Camera

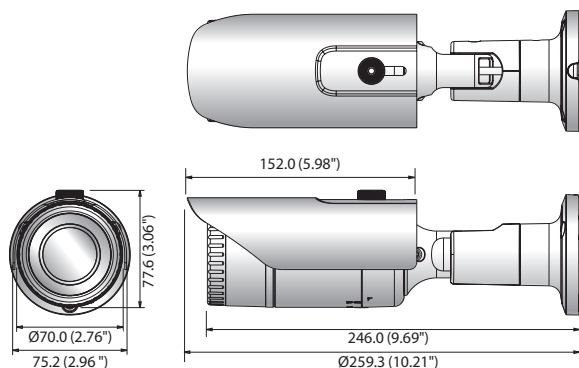


## Key Features

- Max. 2megapixel (1920 x 1080) resolution
- 0.1Lux (Color), 0Lux (B/W, IR LED on)
- 2.8mm/4mm/6mm fixed lens
- Max. 30fps@2M all resolutions (H.265/H.264)
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Motion detection, Tampering, Defocus detection
- Hallway view (90°/270°), LDC support
- Micro SD/SDHC/SDXC memory slot (Max. 128GB)
- IR viewable length 20m/25m/30m
- IP66, IK10, PoE, 12VDC

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



SBO-100B1



SBP-302PM

	QNO-6012R	QNO-6022R	QNO-6032R
<b>VIDEO</b>			
Imaging Device	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Effective Pixels	1920(H) x 1080(V)	1920(H) x 1080(V)	1920(H) x 1080(V)
Min. Illumination	Color : 0.1Lux (F2.0, 1/30sec) BW : 0Lux (IR LED on)	Color : 0.1Lux (F1.6, 1/30sec) BW : 0Lux (IR LED on)	Color : 0.1Lux (F2.0, 1/30sec) BW : 0Lux (IR LED on)
Video Out	CVBS : 1.0Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P) for installation		
<b>LENS</b>			
Focal Length (Zoom Ratio)	2.8mm fixed focal	4mm fixed focal	6mm fixed focal
Max. Aperture Ratio	F2.0	F1.6	F2.0
Angular Field of View	H : 113.74 V : 61.5° D : 134.45°	H : 87.6 V : 46.4° D : 104.5°	H : 52.8 V : 30.3° D : 60.4°
Focus Control	Fixed	Fixed	Fixed
<b>OPERATIONAL</b>			
IR Viewable Length	20m (65.62ft)	25m (82.02ft)	30m (98.42ft)
Camera Title	Displayed up to 85 characters		
Day & Night	Auto (ICR)		
Backlight Compensation	BLC, WDR, SDR		
Wide Dynamic Range	120dB		
Digital Noise Reduction	SSNR		
Motion Detection	4ea, polygonal zones		
Privacy Masking	6ea, rectangular zones		
Gain Control	Support		
White Balance	ATW / AWC / Manual / Indoor / Outdoor		
LDC	Support		
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)		
Video Rotation	Flip, Mirror, Hallway view (90°/270°)		
Analytics	Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line		
Alarm I/O	Input 1ea / Output 1ea		
Alarm Triggers	Analytics, Network disconnect, Alarm input		
Alarm events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output		
Audio In	Selectable (mic in/line in) Supply voltage : 2.5VDC (4mA), Input impedance : 2K Ohm		
<b>NETWORK</b>			
Ethernet	RJ-45 (10/100BASE-T)		
Video Compression	H.265/H.264 : Main/High, MJPEG		
Resolution	1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360		
Max. Framerate	H.265/H.264 : Max. 30fps/25fps (60Hz/50Hz) MJPEG : Max. 15fps/12fps (60Hz/50Hz)		
Smart Codec	WiseStream II		
Video Quality Adjustment	H.264/H.265 : Target bitrate level control MJPEG : Quality Level control		
Bitrate Control	H.264/H.265 : CBR or VBR MJPEG : VBR		
Streaming	Unicast (6 users) / Multicast Multiple streaming (Up to 3 profiles)		
Audio Compression	G.711 u-law /G.726 Selectable G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps		

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<b>Protocol</b>	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP		
<b>Security</b>	HTTPS (SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP)		
<b>Edge Storage</b>	Micro SD/SDHC/SDXC 1slot 128GB		
<b>Application Programming Interface</b>	ONVIF Profile S/G/T SUNAPI (HTTP API) Wisenet open platform		
<b>Webpage Language</b>	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek		
<b>Web Viewer</b>	Supported OS : Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Recommended Browser : Google Chrome Supported Browser : MS Explorer11, MS Edge, Mozilla Firefox (Windows 64bit only), Apple Safari (Mac OS X only)		
<b>Memory</b>	512MB RAM, 256MB Flash		
<b>ENVIRONMENTAL</b>			
<b>Operating Temperature / Humidity</b>	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above -20°C		
<b>Storage Temperature / Humidity</b>	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH		
<b>Certification</b>	IP66, IK10		
<b>ELECTRICAL</b>			
<b>Input Voltage</b>	PoE (IEEE802.3af, Class3), 12VDC		
<b>Power Consumption</b>	PoE : Max 7W, typical 5.2W 12VDC : Max 6.1W, typical 4.5W		
<b>MECHANICAL</b>			
<b>Color / Material</b>	Dark grey / Aluminum		
<b>Product dimensions / weight</b>	Ø70.0 x 246.0mm (Ø2.76 x 9.69"), 700g (1.543 lb)		

\* The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)

\* Design and specifications are subject to change without notice.

\* Wisenet is the proprietary brand of **Hanwha Techwin**.