

Network | Bullet

# QNO-6072R

2M H.265 IR Bullet Camera

## Key Features

- Max. 2megapixel (1920 x 1080) resolution
- 0.03Lux (Color), 0Lux (B/W, IR LED on)
- 3.2 ~ 10mm (3.1x) varifocal 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 30m
- IP66, IK10, PoE/12VDC

## Compatible Accessories (Optional)



SBP-302PM



SBO-100B1

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2M H.265 IR Bullet Camera



## Specifications

| Video | |
|---|---|
| Imaging Device | 1/2.8" CMOS |
| Resolution | 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360 |
| Max. Framerate | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz)<br>MJPEG: Max. 15fps (@2MP Max. 4fps) |
| Min. Illumination | Color: 0.03Lux(F1.6, 1/30sec)<br>BW: 0Lux(IR LED on) |
| Video Out | CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation |

| Lens | |
|---|---|
| Focal Length (Zoom Ratio) | 3.2~10mm(3.1x) manual varifocal |
| Max. Aperture Ratio | F1.6(Wide)~F2.9(Tele) |
| Angular Field of View | H: 109°(Wide)~33°(Tele) / V: 58°(Wide)~18°(Tele) / D: 132°(Wide)~38°(Tele) |
| Min. Object Distance | 0.5m (1.64ft) |
| Focus Control | Manual |
| Lens Type | DC auto iris |

| Pan / Tilt / Rotate | |
|---|---|
| Pan / Tilt / Rotate Range | 0°~360° / 0°~100° / 0°~360° |

| Operational | |
|---|---|
| Camera Title | Displayed up to 85 characters |
| Day & Night | Auto(ICR) |
| Backlight Compensation | BLC, WDR, SSDR |
| Wide Dynamic Range | 120dB |
| Digital Noise Reduction | SSNR |
| Motion Detection | 4ea, polygonal zones |
| Privacy Masking | 6ea, rectangular zones |
| Gain Control | Low / Middle / High |
| 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 | Motion detection, Tampering, Defocus detection , Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing/Direction) |
| Alarm I/O | Input 1ea / Output 1ea |
| Alarm Triggers | Analytics, Network disconnect, Alarm input |

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| | |
|---|---|
| Alarm Events | File upload via FTP and e-mail<br>Notification via e-mail<br>SD/SDHC/SDXC or NAS recording at event triggers<br>Alarm output<br>Handover(PTZ preset) |
| Audio In | Selectable(mic in/line in)<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm |
| Light Type | IR LED (850nm) |
| Light Viewable Length | 30m(98.42ft) |

## Network

| | |
|---|---|
| Ethernet | RJ-45(10/100BASE-T) |
| Video Compression | H.265/H.264: Main/High, MJPEG |
| Audio Compression | G.711 u-law /G.726 Selectable<br>G.726(ADPCM) 8KHz, G.711 8KHz<br>G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps |
| Smart Codec | WiseStream II |
| Bitrate Control | H.264/H.265: CBR or VBR<br>MJPEG: VBR |
| Streaming | Unicast(6 users) / Multicast<br>Multiple streaming(Up to 3 profiles) |
| Protocol | 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 |
| Application Programming Interface | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform |

## Security

| | |
|---|---|
| OS / Firmware Protect | Firmware encryption |
| User authentication | Digest Authentication, Prevent brute-force attack |
| Network authentication | 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) |
| Secure Communication | HTTPS, SRTP, WSS(Websocket secure) |
| Access Control | Access control based on IP address |
| Data Protect | Authentication information encryption, ZIP compression encryption |
| Audit | User Access/System/Event log management |
| Device ID | Device Certificate(Hanwha Private Root CA) |
| Secure Storage | SDcard partition encrypt |

## General

| | |
|---|---|
| Webpage Language | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch |
| Edge Storage | Micro SD/SDHC/SDXC 1slot 128GB |
| Memory | 512MB RAM, 256MB Flash |

## Environmental & Electrical

| | |
|---|---|
| Operating Temperature / Humidity | -30°C~+55°C(-22°F ~ +131°F) / 0~90% RH<br>* Start up should be done at above -20°C |
| Storage Temperature / Humidity | -30°C~+60°C(-22°F ~ +140°F) / 0~90% RH |
| Certification | IP66, IK10 |
| Input Voltage | PoE(IEEE802.3af, Class3), 12VDC |
| Power Consumption | PoE: Max 7.40W, typical 5.40W<br>12VDC: Max 6.50W, typical 4.80W |

## Mechanical

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| | |
|---|---|
| Color / Material | Dark grey / Aluminum |
| Product Dimensions / Weight | ø70.0x246.0mm(ø2.76x9.69"), 730g(1.61 lb) |
| Backbox | SBO-100B1, SBO-147B |

| DORI (EN62676-4 standard) | |
|---|---|
| Detect (25PPM/ 8PPF) | Wide: 27.4m(89.85ft) / Tele: 128.8m(422.56ft) |
| Observe (63PPM/ 19PPF) | Wide: 11.0m(35.94ft) / Tele: 51.5m(169.02ft) |
| Recognize (125PPM/ 38PPF) | Wide: 5.5m(17.97ft) / Tele: 25.8m(84.51ft) |
| Identify (250PPM/ 76PPF) | Wide: 2.7m(8.99ft) / Tele: 12.9m(42.26ft) |

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## CAD

**Unit:**mm [inch]

