



Network

Bullet

# QNO-6022R1

2MP IR Bullet Camera



## Key Features

- Maximum 2megapixel (1920 x 1080) resolution
- 0.03Lux (Color), 0Lux (B/W, IR LED on)
- 4mm fixed lens
- Maximum 30fps@2MP 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 25m
- IP66, IK10, PoE, 12VDC
- No-audio model

## Compatible Accessories (Optional)



SBP-302PM



SBO-100B1

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## 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) | 4.0mm fixed focal  |
| Max. Aperture Ratio       | F1.6   |
| Angular Field of View     | H: 88° / V: 47° / D: 105°  |
| Min. Object Distance      | 0.5m (1.64ft)  |
| Focus Control             | Fixed  |
| Pan / Tilt / Rotate       |  |
| Operational               |  |
| 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              | 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   |
| 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, Send message by HTTP/HTTPS/TCP) |
| IR Viewable Length        | 25m(82.02ft)   |

### Radiometry

Design and specifications are subject to change without notice. The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)

|                                   |  |
|-----------------------------------|--|
| <b>Network</b>                    |  |
| Ethernet                          | RJ-45(10/100BASE-T)  |
| Video Compression                 | H.265/H.264: Main/High, MJPEG  |
| Smart Codec                       | WiseStream II  |
| Video Quality Adjustment          | H.264/H.265: Target bitrate level control<br>MJPEG: Quality Level control  |
| 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 |
| Security                          | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP)                              |
| Application Programming Interface | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform   |

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

|                                       |  |
|---------------------------------------|--|
| <b>Environmental &amp; Electrical</b> |  |
| 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 7.00W, typical 5.20W<br>12VDC: Max 6.10W, typical 4.50W                     |

|                                   |   |
|-----------------------------------|---|
| <b>Mechanical</b>                 |   |
| Color / Material                  | Dark grey / Aluminum                      |
| Product Dimensions / Weight       | ø70.0x246.0mm(ø2.76x9.69"), 700g(1.54 lb) |
| Compatible Conduit hole / Gangbox | Single, Double, 4" Octagon                |
| Backbox                           | SBO-100B1                                 |

|                                       |                 |
|---------------------------------------|-----------------|
| <b>Certifications &amp; Standards</b> |                 |
| DORI (EN62676-4 standard)             |                 |
| Detect (25PPM/ 8PPF)                  | 40.0m(131.36ft) |
| Observe (63PPM/ 19PPF)                | 16.0m(52.54ft)  |
| Recognize (125PPM/ 38PPF)             | 8.0m(26.27ft)   |
| Identify (250PPM/ 76PPF)              | 4.0m(13.14ft)   |

|                               |  |
|-------------------------------|--|
| <b>LPR/ANPR/MMCR</b>          |  |
| Wisenet Road AI LPR/ANPR/MMCR |  |

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CAD

Unit:mm [inch]

