



Network

Bullet

# QNO-6082R

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) motorized 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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## Specifications

|                            |   |
|----------------------------|---|
| <b>Video</b>               |   |
| 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)(WDR off)<br>H.265/H.264: Max. 15fps/12fps(60Hz/50Hz)(WDR on)<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   |
| <b>Lens</b>                |   |
| Focal Length (Zoom Ratio)  | 3.2~10mm(3.1x) motorized 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              | Simple focus  |
| Lens Type                  | DC auto iris  |
| <b>Pan / Tilt / Rotate</b> |   |
| Pan / Tilt / Rotate Range  | 0°~360° / 0°~100° / 0°~360°   |
| <b>Operational</b>         |   |
| 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  |

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

Hanwha Vision is formerly known as Hanwha Techwin.

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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)   |
| <b>Network</b>                        |  |
| 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   |
| <b>Security</b>                       |  |
| 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   |
| <b>General</b>                        |  |
| Webpage Language                      | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek                                |
| 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 7.40W, typical 5.40W<br>12VDC: Max 6.50W, typical 4.80W   |
| <b>Mechanical</b>                     |  |

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|                             |   |
|-----------------------------|---|
| Color / Material            | Dark grey / Aluminum                          |
| Product Dimensions / Weight | ø78.0x259.8mm(ø3.07x10.23"), 900g(1.98 lb)    |
| <hr/>                       |   |
| 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]

