



Network

Bullet

# QNO-6082R1

2MP IR Bullet Camera



## Key Features

- Maximum 2megapixel (1920 x 1080) resolution
- 0.03lux (Color), 0Lux (B/W, IR LED on)
- 3.2 ~ 10mm (3.1x) motorized varifocal 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 30m
- IP66, IK10, PoE/12VDC
- No-audio model

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## Specifications

### 映像

|                         |                                                                                     |                        |
|-------------------------|-------------------------------------------------------------------------------------|------------------------|
| Imaging Device          | サイズ                                                                                 | 1/2.8"                 |
|                         | タイプ                                                                                 | CMOS                   |
| 解像度                     | 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360 |                        |
| Max. Framerate          | H.265/H.264                                                                         | 30fps/25fps(60Hz/50Hz) |
|                         | MJPEG                                                                               | 15fps(@2MP Max. 4fps)  |
| Min. Illumination (Lux) | Color(1/30sec, 30IRE)                                                               | 0.03                   |
|                         | BW(1/30sec, 30IRE)                                                                  | 0.003                  |
| Video Out               | CVBS: 1.0 Vp-p / 75Ω composite for installation                                     |                        |

### レンズ

|                               |              |          |
|-------------------------------|--------------|----------|
| Focal Length (mm)             | 3.2~10       |          |
| Zoom Ratio                    | Optical      | 3.1x     |
| Max Aperture Ratio (F number) | Wide         | 1.6      |
|                               | Tele         | 2.9      |
| 視野角度                          | Horizontal   | 109°~33° |
|                               | Vertical     | 58°~18°  |
|                               | Diagonal     | 132°~38° |
| Min. Object Distance          | 0.5m(1.64ft) |          |
| Focus Control                 | シンプルフォーカス    |          |
| Lens Type                     | DC auto iris |          |

### Pan / Tilt / Rotate

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

### 技能

|                        |                |
|------------------------|----------------|
| Day & Night            | Auto(ICR)      |
| Backlight Compensation | BLC, WDR, SSDR |

## 技能

|                                          |             |                                                                                                                                                        |
|------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wide Dynamic Range (dB)                  |             | 120                                                                                                                                                    |
| Digital Noise Reduction                  |             | SSNR                                                                                                                                                   |
| モーション検知                                  | Quantity    | 4ea                                                                                                                                                    |
|                                          | Shape       | 8point Polygonal zones                                                                                                                                 |
| Privacy Masking                          | Quantity    | 6ea                                                                                                                                                    |
|                                          | Shape       | Rectangular zones                                                                                                                                      |
| ゲイン制御                                    |             | 低, 中, 高                                                                                                                                                |
| ホワイトバランス                                 |             | ATW, AWC, 手動, 室内, 屋外                                                                                                                                   |
| LDC                                      |             | サポート                                                                                                                                                   |
| Electronic Shutter                       | モード         | 最小, 最大, アンチフリッカー                                                                                                                                       |
|                                          | Speed Range | 1/5~1/12,000sec                                                                                                                                        |
| ビデオ回転                                    |             | FLIPモード, ミラー, Hallway view(90°/270°)                                                                                                                   |
| Alarm Interface                          | In/Out      | Input 1ea, Output 1ea                                                                                                                                  |
| Alarm Triggers                           |             | 分析, ネットワーク切断, アラーム入力                                                                                                                                   |
| Alarm Events When Alarm Trigger Occurred |             | File upload(image): e-mail/FTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers,アラーム出力,<br>Handover: PTZ preset |
| Light Type                               |             | IR LED                                                                                                                                                 |
| Light Viewable Length                    | IR          | 30m(98.42ft)                                                                                                                                           |
| IR Wavelength                            |             | 850nm                                                                                                                                                  |

## 分析

|        |    |                                                                                                |
|--------|----|------------------------------------------------------------------------------------------------|
| 分析イベント | 通常 | 焦点ぼけ検知, モーション検知, タンパリング, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing, Direction) |
|--------|----|------------------------------------------------------------------------------------------------|

## ネットワーク

|                                   |                    |                                                                                                                                                                                          |
|-----------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                          |                    | RJ-45(10/100BASE-T)                                                                                                                                                                      |
| 映像圧縮                              |                    | H.265/H.264: Main/High, MJPEG                                                                                                                                                            |
| Smart codec                       |                    | WiseStream II                                                                                                                                                                            |
| ビットレートコントロール                      |                    | H.265/H.264: CBR or VBR,<br>MJPEG: VBR                                                                                                                                                   |
| Streaming                         | Unicast            | 最大 6ユーザー                                                                                                                                                                                 |
|                                   | マルチキャスト            | サポート                                                                                                                                                                                     |
|                                   | Multiple Streaming | 最大 3プロファイル                                                                                                                                                                               |
| プロトコル                             |                    | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS,<br>SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS,<br>UPnP, Bonjour, LLDP |
| Application Programming Interface | ONVIF              | s, G, T                                                                                                                                                                                  |
|                                   | その他                | SUNAPI(HTTP API), Hanwha Vision Open Platform                                                                                                                                            |

## ネットワーク

|                         |                          |
|-------------------------|--------------------------|
| Direct Cloud Connection | Optional (needs gateway) |
|-------------------------|--------------------------|

## セキュリティ

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| OS / Firmware Protect  | Encrypted firmware                                                      |
| ユーザー認証                 | ダイジェスト認証, Prevent brute-force attack                                    |
| Network authentication | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)                      |
| Secure Communication   | HTTPS, WSS(WebSocket Secure), SRTP                                      |
| Access Control         | IP-based access control                                                 |
| Data Protect           | Encryption credentials, Encrypt compress for live recording file export |
| Audit                  | Access / System / Event Log management                                  |
| デバイスID                 | Device certificate(Hanwha Vision Root CA)                               |
| Secure Storage         | SDcard partition encrypt(AES-256)                                       |

## 一般

|              |                    |                    |
|--------------|--------------------|--------------------|
| メモリ          | RAM                | 512MB              |
|              | フラッシュ              | 256MB              |
| Edge Storage | Micro SD/SDHC/SDXC | Max. 128GB x 1slot |

## Environmental &amp; Electrical

|               |       |                                        |
|---------------|-------|----------------------------------------|
| 動作条件          | 温度    | -30°C~+55°C(-22°F~+131°F)              |
|               | 湿度    | 0~90% RH(non-condensing)               |
|               | その他   | Start up should be done at above -20°C |
| 保管条件          | 温度    | -30°C~+60°C(-22°F~+140°F)              |
|               | 湿度    | 0~90% RH(non-condensing)               |
| Input Voltage |       | PoE(IEEE802.3af, Class3), 12VDC        |
| 消費電力          | PoE   | Max 7.40W, typical 5.40W               |
|               | 12VDC | Max 6.50W, typical 4.80W               |

## Mechanical

|                    |                             |
|--------------------|-----------------------------|
| カラー                | ダークグレー                      |
| 材料                 | アルミニウム                      |
| Product Dimensions | ø78.0x259.8mm(ø3.07x10.23") |
| Product Weight     | 900g(1.98lb)                |

## Certifications &amp; Standards

|        |                                                                                                                                                                                                          |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC    | FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3, VCCI CISPR 32 Class A, RCM AS-NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835 |
| Safety | UL 60950-1, CAN/CSA C22.2 NO. 60950-1, IEC 62471                                                                                                                                                         |
| 環境     | IEC/EN 63000, IEC 60529 IP66, IEC 62262 IK10                                                                                                                                                             |

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]

