



Network

Bullet

QNO-7022R

4MP IR Bullet Camera

FC

CE

EAC



Key Features

- Maximum 4MP resolution
- Color : 0.15Lux (F1.6, 1/30sec) B/W : 0Lux (IR LED On)
- 4mm fixed focal
- 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 (128GB)
- IR viewable length 25m (82.02ft)
- IP66, IK10, PoE, 12VDC

QNO-7022R

4MP IR Bullet Camera



Specifications

| Video | |
|---------------------------|--|
| Imaging Device | 1/3" CMOS |
| Resolution | 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps (@4MP Max. 2fps) |
| Min. Illumination | Color : 0.15Lux (F1.6, 1/30sec) B/W : 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: 79°, V: 42°, D: 92° |
| Focus Control | Fixed |
| 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, SDDR |
| 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 Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover(PTZ preset) |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com

Hanwha Vision is formerly known as Hanwha Techwin.

QNO-7022R

| | |
|---------------------------------------|---|
| Audio In | Selectable(mic in/line in) |
| Light Type | IR LED (850nm) |
| Light Viewable Length | 25m (82.02ft) |
| 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 G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps |
| Smart Codec | Manual (5ea area), WiseStream II |
| Bitrate Control | H.264/H.265: CBR or VBR MJPEG: VBR |
| Streaming | Unicast(6 users) / Multicast 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, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP |
| Application Programming Interface | ONVIF Profile S/G/T, SUNAPI (HTTP API) |
| 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, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek |
| Edge Storage | Micro SD/SDHC/SDXC 1slot 128GB |
| Memory | 512MB RAM, 256MB Flash |
| Environmental & Electrical | |
| Operating Temperature / Humidity | -40°C~+55°C (-40°F ~ +131°F) / 0~95% RH *Start up should be done at -30°C or above |
| Storage Temperature / Humidity | -40°C~+60°C (-40°F~+140°F) / 0~95% RH |
| Certification | IP66, IK10 |
| Input Voltage | PoE(IEEE802.3af, Class3), 12VDC |
| Power Consumption | PoE: Max 10.7W, typical 8W 12VDC: Max 9.1W, typical 6.8W |
| Mechanical | |
| 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, SBO-147B |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

DORI (EN62676-4 standard)

| | |
|---------------------------|-----------------|
| Detect (25PPM/ 8PPF) | 63.0m(206.70ft) |
| Observe (63PPM/ 19PPF) | 25.2m(82.68ft) |
| Recognize (125PPM/ 38PPF) | 12.6m(41.34ft) |
| Identify (250PPM/ 76PPF) | 6.3m(20.67ft) |

QNO-7022R

4MP IR Bullet Camera



CAD

Unit:mm [inch]

