



Network

Bullet

# QNO-C6083R

2MP AI IR Bullet Camera



## Key Features

- Max. 2MP resolution
- 3.2~10.2mm(3.2x) motorized varifocal
- Color: 0.04Lux (F1.6, 1/30sec),  
BW: 0.004Lux (F1.6, 1/30sec, 30IRE)
- Maximum 30fps@2MP (H.265/H.264)
- IR viewable length 40m(131.23ft)
- Day & Night (ICR), WDR (120dB), WiseNR II (Using AI engine)
- H.265, H.264, MJPEG, WiseStreamIII (Using AI engine)
- Analytics events based on AI engine (NPU) : Object detection (Person/Vehicle - car, truck, bus, bicycle, motorcycle), Motion detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit)
- IP66, IK10
- PoE: Max 8.9W

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## Specifications

### Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240	
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps(@2MP Max. 5fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.04
	BW(1/30sec, 30IRE)	0.004
Video Out	USB: Micro USB Type B	

### Lens

Focal Length (mm)	3.2~10.2	
Zoom Ratio	Optical	3.2x
Max Aperture Ratio (F number)	Wide	1.6
	Tele	3.1
Angular Field of View	Horizontal	102°~32°
	Vertical	55°~18°
	Diagonal	119°~36°
Min. Object Distance	1.2m(3.93ft)	
Focus Control	Simple focus	
Lens Type	DC auto iris(IR corrected)	

### Pan / Tilt / Rotate

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

### Operational

Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSSDR

## Operational

Wide Dynamic Range (dB)		120
Digital Noise Reduction		WiseNR II (Based on AI engine), SSNR V
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	4point Quadrangle zones
Gain Control		Low, Middle, High
White Balance		ATW, AWC, Manual, Indoor, Outdoor
LDC		Support
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker, Prefer shutter control
	Speed Range	1/5~1/25,000sec
Video Rotation		Flip, Mirror, Hallway view(90°/270°)
Alarm Interface	In/Out	Input 1ea, Output 1ea
Alarm Triggers		Analytics, Network disconnect, Alarm input
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output, Handover: PTZ preset,send message by HTTP/HTTPS/TCP,Audio clip playback
Audio In		Selectable(mic in/line in)
Audio Out		Line out
Light Type		IR LED
Light Viewable Length	IR	40m(131.23ft)
IR Wavelength		850nm

## Analytics

Classified Object Type		Person, Vehicle
Attributes	Vehicle	Type(car, bus, truck, motorcycle, bicycle)
Thumbnail		DetectionShot
Analytics Events	Based on AI Engine	Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit), Motion detection
	Normal	Defocus detection, Tampering, Virtual area(Appear/Disappear)
Business Intelligence	Based on AI Engine	People counting, Queue management, Heatmap, Vehicle counting

## 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, AAC-LC: 48kbps at 16kHz
Smart Codec		Manual, WiseStreamIII

## Network

<b>Bitrate Control</b>		H.265/H.264: CBR or VBR, MJPEG: VBR
<b>Streaming</b>	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 5 profiles
<b>Protocol</b>		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, CDP, SRTP(TCP, UDP Unicast)
<b>Application Programming Interface</b>	ONVIF	S, G, T, M
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
<b>Direct Cloud Connection</b>		Support

## Security

<b>OS / Firmware Protect</b>	Encrypted firmware, Secure boot, Signed firmware
<b>User authentication</b>	Digest authentication, Prevent brute-force attack
<b>Network authentication</b>	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
<b>Secure Communication</b>	HTTPS, WSS(WebSocket Secure), SRTP
<b>Access Control</b>	IP-based access control
<b>Data Protect</b>	Encryption credentials, Encrypt compress for live recording file export
<b>Audit</b>	Access / System / Event Log management
<b>Device ID</b>	Device certificate(Hanwha Vision Root CA)
<b>Secure Storage</b>	SDcard partition encrypt(AES-256)

## General

<b>Memory</b>	RAM	2GB
	Flash	1GB
<b>Edge Storage</b>	Micro SD/SDHC/SDXC	Max. 256GB x 1slot

## Environmental & Electrical

<b>Operating Condition</b>	Temperature	-40°C~+55°C(-40°F~+131°F)
	Humidity	0~95% RH(non-condensing)
	Others	Humidity control with AIR vent
<b>Storage Condition</b>	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~95% RH(non-condensing)
<b>Input Voltage</b>		PoE(IEEE802.3af, Class3)
<b>Power Consumption</b>	PoE	Max 8.9W, typical 3.7W

## Mechanical

<b>Color</b>	White
<b>Material</b>	Aluminum

### Mechanical

RAL Code	RAL9003
Product Dimensions	ø93.4x245.8mm(ø3.68x9.68")
Product Weight	930g(2.05lb)
Compatible Gang Box	Single, Double, 4" Octagon

### Certifications & 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
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1, IEC 62471
Environment	IEC/EN 63000, IEC 60529 IP66, IEC 62262 IK10, NEMA 250 type 4X

### DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	31.1m(102.02ft)
	Tele	133.9m(439.36ft)
Observe (63PPM/ 19PPF)	Wide	12.4m(40.81ft)
	Tele	53.6m(175.74ft)
Recognize (125PPM/ 38PPF)	Wide	6.2m(20.40ft)
	Tele	26.8m(87.87ft)
Identify (250PPM/ 76PPF)	Wide	3.1m(10.20ft)
	Tele	13.4m(43.94ft)

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**CAD**

Unit: mm [inch]

