





# QNO-C9083R

8MP IR Bullet Camera











### **Key Features**

- Max. 8MP resolution
- Max. 30fps
- Color: 0.06Lux(F1.6, 1/30sec), BW: 0.006Lux(F1.6, 1/30sec, 30IRE)
- Focal length: 3.2~10.2mm motorized varifocal
- H.265, H.264, MJPEG codec supported
- Multiple streaming (up to 5 profiles)
- Day & Night (ICR), WDR (120dB)
- Micro SD/SDHC/SDXC 1 slot 256GB
- IP66, IK10
- PoE: Max 12W



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### 8MP IR Bullet Camera

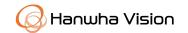






### **Specifications**

Video	
Imaging Device	1/2.8" CMOS
Resolution	3840x2160, 3328x1872, 3072x1728, 2592x1944, 2688x1520, 1920x1080, 1600x1200, 1280x1024,1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps(@8MP Max. 5fps)
Min. Illumination	Color: 0.06Lux(F1.6, 1/30sec, 30IRE) BW: 0.006Lux(F1.6, 1/30sec, 30IRE), OLux(IR LED on)
Video Out	USB: Micro USB Type B, 1280x720 for installation
Lens	
Focal Length (Zoom Ratio)	3.2~10.2mm(3.2x) motorized varifocal
Max. Aperture Ratio	F1.6(Wide)~F3.1(Tele)
Angular Field of View	H: 104°(Wide)~31°(Tele) V: 55°(Wide)~17°(Tele) D: 124°(Wide)~35°(Tele)
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	0°~360° / 0°~100°/ 0°~360°
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR V , WiseNR II (Based on AI engine)
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, 4point quadrangle 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	Classified object type: Person/Vehicle Attributes: Vehicle(Type:car/bus/truck/motorcycle/bicycle) Support DetectionShot Analytics events based on Al engine - Motion detection*, Object detection, Virtual line*(Crossing/Direction), Virtual area*(Loitering/Intrusion/Enter/Exit) Analytics events - Defocus detection, Tampering, Virtual area(Appear/Disappear)
	* Some of the video analytics only works with people and vehicle detection
Business Intelligence	Based on Al engine: People counting, Vehicle counting, Queue management, Heatmap
Alarm I/O	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, Max.output level: 0.5Vrms
IR Viewable Length	30m(98.42ft)
IR Wavelength	long-life 850 nm IR LED
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(5ea area), WiseStreamIII(Based on AI engine)
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 5 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, CDP, SRTP (TCP, UDP Unicast)
Protocol  Application Programming Interface	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP
	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M
Application Programming Interface	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M
Application Programming Interface Security	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)
Application Programming Interface  Security  OS / Firmware Protect	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)  Secure boot, Signed firmware, Firmware encryption
Application Programming Interface  Security OS / Firmware Protect User authentication	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)  Secure boot, Signed firmware, Firmware encryption  Digest Authentication, Prevent brute-force attack
Application Programming Interface  Security OS / Firmware Protect User authentication Network authentication	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)  Secure boot, Signed firmware, Firmware encryption  Digest Authentication, Prevent brute-force attack  802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
Application Programming Interface  Security OS / Firmware Protect User authentication Network authentication Secure Communication	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)  Secure boot, Signed firmware, Firmware encryption  Digest Authentication, Prevent brute-force attack  802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)  HTTPS, SRTP, WSS(Websocket secure)
Application Programming Interface  Security OS / Firmware Protect User authentication Network authentication Secure Communication Access Control	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)  Secure boot, Signed firmware, Firmware encryption  Digest Authentication, Prevent brute-force attack  802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)  HTTPS, SRTP, WSS(Websocket secure)  Access control based on IP address
Application Programming Interface  Security OS / Firmware Protect User authentication Network authentication Secure Communication Access Control Data Protect	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)  Secure boot, Signed firmware, Firmware encryption  Digest Authentication, Prevent brute-force attack  802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)  HTTPS, SRTP, WSS(Websocket secure)  Access control based on IP address  Authentication information encryption, ZIP compression encryption
Application Programming Interface  Security OS / Firmware Protect User authentication Network authentication Secure Communication Access Control Data Protect Audit	SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast)  ONVIF Profile S/G/T/M SUNAPI(HTTP API)  Secure boot, Signed firmware, Firmware encryption  Digest Authentication, Prevent brute-force attack  802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)  HTTPS, SRTP, WSS(Websocket secure)  Access control based on IP address  Authentication information encryption, ZIP compression encryption  User Access/System/Event log management

#### General

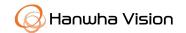
Webpage Language English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech,

Polish, Turkish, Dutch, Hungarian, Greek

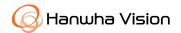
Design and specifications are subject to change without notice. The latest product information / specification can be found at Hanwhavision.com

Hanwha Vision is formerly known as Hanwha Techwin.





Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Memory	2GB RAM, 1GB Flash
Environmental & Electrical	
Operating Temperature / Humidity	-30°C~+55°C(-22°F~+131°F) / 0~95% RH(non-condensing) * Start up should be done at above -30°C Humidity control /w Air vent
Storage Temperature / Humidity	-50°C~+60°C(-58°F~+140°F) / 0~95% RH
Certification	IP66, IK10
Input Voltage	PoE(IEEE802.3af, Class3)
Power Consumption	PoE: Max 12W, typical 5.3W
 Mechanical	
Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	ø93.4x245.8mm(ø3.68x9.68"), 930g(2.05 lb)
Compatible Conduit hole / Gangbox	Conduit hole: None Gangbox (SBO-090GP): Single, Double, 4" Octagon (sold separately)
Backbox	SBO-140BW
Certifications & Standards	
EMC	FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 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/EN 62471
Environment	IEC/EN 63000 IEC/EN 60529 IP66, IEC/EN 62262 IK10
DORI (EN62676-4 standard)	
Detect (25PPM/ 8PPF)	Wide: 60.0m(196.86ft) / Tele: 276.9m(908.57ft)
Observe (63PPM/ 19PPF)	Wide: 24.2m(78.74ft) / Tele: 111.7m(363.43ft)
Recognize (125PPM/ 38PPF)	Wide: 12.0m(39.37ft) / Tele: 55.4m(181.71ft)
Identify (250PPM/ 76PPF)	Wide: 6.0m(19.69ft) / Tele: 27.7m(90.86ft)



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CAD Unit:mm [inch]

