## Q series QNO-8080R









## **QNO-8080R**

5M H.265 IR Bullet Camera











#### **Key Features**

- Max. 5Megapixel (2592 x 1944) resolution
- 3.2~10mm(3.1x) motorized varifocal lens
- O.15Lux (Color), OLux (B/W, IR LED on)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day&Night (ICR), WDR (120dB)
- Tampering, Motion detection, Defocus detection
- Micro SD / SDHC / SDXC memory slot (Max. 128GB)
- Hallway view, WiseStream II support
- IR Viewable length 30m (98.42ft)
- IP66, IK10, PoE

#### **Compatible Devices**





SBP-302PM

SBO-126B



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### **Specifications**

Video		
Imaging Device	Size	1/2.8"
	Туре	CMOS
Resolution		2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	15fps(@5MP Max. 2fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.15
	BW(1/30sec, 30IRE)	0.015
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation
Lens		
Focal Length (mm)		3.2~10
Zoom Ratio	Optical	3.1x
Max Aperture Ratio (F	Wide	1.6
number)	Tele	2.9
Angular Field of View	Horizontal	101°~31°
	Vertical	73°~23°
	Diagonal	134°~38°
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, SSDR
Wide Dynamic Range (dB)		120

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.

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Operational		
Digital Noise Reduction		SSNR
Motion Detection	Quantity	4ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	6ea
	Shape	Rectangular zones
Gain Control		Low, Middle, High
White Balance		ATW, AWC, Manual, Indoor, Outdoor
LDC		Support
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	1/5~1/12,000sec
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
Light Type		IR LED
Light Viewable Length	IR	30m(98.42ft)
IR Wavelength		850nm
Analytics		
Analytics Events	Normal	Defocus detection, Motion detection, Tampering, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing, Direction)
Network		
Ethernet		RJ-45(10/100BASE-T)
Video Compression		H.265/H.264: Main/High, MJPEG
Smart Codec		WiseStream II
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 6 users
	Multicast	Support
	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	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Optional (needs gateway)

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Security		
OS / Firmware Protect		Encrypted firmware
User authentication		Digest authentication, 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
Device ID		Device certificate(Hanwha Vision Root CA)
Secure Storage		SDcard partition encrypt(AES-256)
General		
Memory	RAM	512MB
	Flash	256MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 128GB x 1slot
Environmental & El	ectrical	
Operating Condition	Temperature	-30°C~+55°C(-22°F~+131°F)
	Humidity	0~90% RH(non-condensing)
	Others	Start up should be done at above -20°C
Storage Condition	Temperature	-30°C~+60°C(-22°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3)
Power Consumption PoE		Max. 9.50W, typical 7.30W
Mechanical	1	
Color		Dark grey
Material		Aluminum
Product Dimensions		ø91x322.9mm(35.8x12.71")
Product Weight		1190g(2.62lb)
Certifications & Sta	ndards	
Environment		IEC 60529 IP66, IEC 62262 IK10
DORI (EN62676-4 s	tandard)	
Detect (25PPM/ 8PPF)	Wide	43.3m(141.94ft)
	Tele	185.7m(609.09ft)
Observe (63PPM/ 19PPF)	Wide	17.3m(56.78ft)
	Tele	74.3m(243.64ft)





DORI (EN62676-4 standard)				
Recognize (125PPM/ 38PPF)	Wide	8.7m(28.39ft)		
	Tele	37.1m(121.82ft)		
Identify (250PPM/ 76PPF)	Wide	4.3m(14.19ft)		
	Tele	18.6m(60.91ft)		

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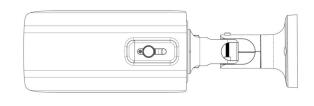
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CAD Unit: mm [inch]



UNIT : mm[inch

