



Network

Bullet

QNO-8010R

5M H.265 IR Bullet Camera



Key Features

- Max. 5Megapixel (2592 x 1944) resolution
- 2.8mm fixed lens
- 0.15Lux (Color), 0Lux (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 20m (65.62ft)
- IP66, IK10, PoE

Compatible Devices



SBP-302PM



SBO-100B1

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Specifications

Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution	1280x720, 720x480, 1280x960, 2560x1440, 1920x1080, 800x600, 720x576, 640x360, 640x480, 2592x1944, 800x448, 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)	2.8	
Max Aperture Ratio (F number)	Wide	2.0
Angular Field of View	Horizontal	105°
	Vertical	77°
	Diagonal	136°
Focus Control	Fixed	

Pan / Tilt / Rotate

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

Operational

Day & Night	Auto(ICR)	
Backlight Compensation	SSDR, BLC, WDR	
Wide Dynamic Range (dB)	120	
Digital Noise Reduction	SSNR	
Motion Detection	Quantity	4ea
	Shape	8point Polygonal zones

Operational

Privacy Masking	Quantity	6ea
	Shape	Rectangular zones
Gain Control		Low, High, Middle
White Balance		Indoor, Outdoor, AWC, ATW, Manual
LDC		Support
Electronic Shutter	Mode	Maximum, Anti flicker, Minimum
	Speed Range	1/5~1/12,000sec
Video Rotation		Hallway view(90°/270°), Mirror, Flip
Alarm Interface	In/Out	Input 1ea, Output 1ea
Alarm Triggers		Alarm input, Analytics, Network disconnect
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP, Recording: SD/SDHC/SDXC or NAS recording at event triggers, Notification: e-mail, Alarm output, Handover: PTZ preset
Light Type		IR LED
Light Viewable Length	IR	20m(65.62ft)
IR Wavelength		850nm

Analytics

Analytics Events	Normal	Virtual area(Intrusion/Enter/Exit), Defocus detection, Virtual line(Crossing, Direction), Tampering, Motion detection
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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		ICMP, RTP(UDP), IPv4, HTTPS, FTP, NTP, TCP/IP, ARP, DHCP, RTCP, IPv6, DNS, SNMPv1/v2c/v3(MIB-2), RTP(TCP), SSL/TLS, QoS, SMTP, DDNS, IGMP, HTTP, UPnP, LLDP, RTSP, UDP/IP, Bonjour
Application Programming Interface	ONVIF	T, S, G
	Others	Hanwha Vision Open Platform, SUNAPI(HTTP API)
Direct Cloud Connection		Optional (needs gateway)

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		WSS(WebSocket Secure), HTTPS, SRTP

Security

Access Control	IP-based access control
Data Protect	Encrypt compress for live recording file export, Encryption credentials
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 & Electrical

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. 7.50W, typical 6.10W

Mechanical

Color	Dark grey
Material	Aluminum
Product Dimensions	ø70.0x246.0mm(ø4.33x3.39")
Product Weight	680g(1.50lb)

Certifications & Standards

Environment	IEC 60529 IP66, IEC 62262 IK10
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DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	40.0m(131.20ft)
Observe (63PPM/ 19PPF)	Wide	16.0m(52.48ft)
Recognize (125PPM/ 38PPF)	Wide	8.0m(26.24ft)
Identify (250PPM/ 76PPF)	Wide	4.0m(13.12ft)

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CAD

Unit: mm [inch]

