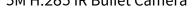




Network Bullet

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 Accessories (Optional)





SBP-302PM

SBO-100B1

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-8010R

5M H.265 IR Bullet Camera







Specifications

Video	
Imaging Device	1/2.8" CMOS
Resolution	5MP mode : 2592x1944, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 4MP mode : 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(@5MP Max. 2fps)
Min. Illumination	Color: 0.15Lux(F2.0, 1/30sec, 30IRE) BW: 0.015Lux(F2.0, 1/30sec, 30IRE), 0Lux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75 Ω composite, 720x480(N), 720x576(P) for installation
Lens	
Focal Length (Zoom Ratio)	2.8mm fixed focal
Max. Aperture Ratio	F2.0
Angular Field of View	H: 105°/ V: 77°/ D: 136°
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, SSDR
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

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QNO-8010R

Light Type IR LED (850nm) Light Viewable Length 20m(65.62H) Network Ethernet Ethernet R1-45(10/100BASE-T) Video Compression H. 265(H.264: Main/High, MJPEG Smart Codec WissEveram II Bitrate Control H.265(H.264: Main/High, MJPEG Streaming Unicatif, oursel, f.Mukitast Multiple Streaming(Up to 3 profiles) Protocol Protocol IPv4_Rvb_VCP/IP. UDP/IP.RTP(UDP), RTP(CP, RTSP, NTP. IHTTP. HTTPS, SSI/TLS, DHCP, F Application Programming Interface OWIF Profile S/6/T OVIE Profile S/6/T SUMAPI(HTTT API) Wissenet open platform Security OS/, Firmware Protect Firmware encryption User authentication 802,1X Authentication, Prevent brute-force attack Network authentication 802,1X Authentication, IP. AP-PEAP MSCHAPv2) Secure Storation Access control based on IP address Data Protect Authentication information encryption Audit User Access/System/Event log management Device ID Device DS/SDPC/CSDXC Islot 128C6 Webpage Language English, Korean Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Poish, T	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
Network Ethernet RJ-45(10/100BASE-T) Video Compression H.265/H.264: Main/High, MJPEG Smart Codec WiseStream II Bitrate Control H.264/H.265: CBR or VBR MUEDE Stream II MJPEG: VBR Streaming Unicasti (a usera) / Multicast Multiple streaming(ID to B profiles) Protocol Protocol IP-4, IP-4, TCP/IP, UDP/IB. RTP(IUDP), RTP(TCP), RTCP, RTSP, MTP. HTTP, HTTPS, SSL/TLS, DHCP, F Application Programming Interface OWIP Profile S/GT OS/Firmware Protect Firmware encryption User authentication Digest Authentication, Prevent brute-force attack Network authentication B02.1X Authentication (AP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Security Coster Communication OS/Firmware Protect Firmware encryption User Authentication B02.1X Authentication (AP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Secure Communication HTTPS, STP, WSS/(Websocket secure) Access Control Dacess Control based on IP address Data Protect Authentication information encryption.ZIP compression encryption Audit Device Certificate(Hanwha Private Root CA) Secure Storage Socard partition encrypt <	Light Type	IR LED (850nm)
Ethernet RJ-45(10/100BASE-T) Video Compression H.265/H.264: Main/High, MJPEG Smart Codec WiseStream II Birtate Control H.264/H.263: CBR or VBR MJPEG: VBR Streaming Unicastifo General (Multicast Multiple streaming(Up to 3 profiles) Protocol IP-4, IP-6, TCP/IP, UDP/IP, RTPICP), RTCP, RTSP, NTP, HTTP, HTTP, SSL/TLS, DICP, F SMTP, LCM, ISMP, SMNPL/JA2C/JQMIB-2), ARP, DNS, DONS, QOS, UPP, Bonjour, LLDP Application Programming Interface ONWE Profile S/G/T SUPPLICAMING S/G/T Wisenet open platform Security OS / Firmware encryption USer authentication Digest Authentication, Prevent brute-force attack Network authentication B02.1X Authentication (EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Secure Communication HTTS, SRTP, WSSI 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 Cartificate(Hanwha Private Root CA) Secure Storage SDcard partition encrypt General Wicebage Language English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch Gereral	Light Viewable Length	20m(65.62ft)
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MJPEC: VBR Streaming Unicast(6 users) / Multicast Multiple streaming[Up to 3 profiles) Protocol IPv4.IPv6.TCP/IP. UDP/IP.RTPI(UDP).RTPITCP).RTCP.RTSP.NTP.HTTP.HTTPS.SSL/TLS.DECP.F SMTP.ICMP.IGMP.SNMP1/u2v3/MIB=2).ARP.DNS.DDNS.QoS.UPnP.Bonjour,LLDP Application Programming Interface ONVIF Profile S(CIT SUMAPI(HTTP API) Wisenet open platform Security Security OS / Firmware Protect Firmware encryption User authentication Digest Authentication.Provent brute-force attack Network authentication 802.1X Authentication(EAP-TLS, EAP-IEAP.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 CertificateHanwha Private Root CA) Secure Storage SDcard partition encrypt General Micro SD/SDHC/SDXC 1slot 128GB Memory 512MB RAM.256MB Flash Environmental & Electrical Opcrest57C(-227F+s131°F) / 0-90% RH(non-condensing) Operating Temperature / Humidity -30°C+457C(-227F+s131°F) / 0-90% RH(non-condensing) Storage Temperature / Humidity <	Smart Codec	WiseStream II
Multiple streaming(Up to 3 profiles) Protocol IP-4, IP-6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, F Application Programming Interface OWNF Profile S/G/T Security OS / Firmware Protect DS / Firmware Protect Firmware encryption User authentication Digest Authentication, Prevent brute-force attack Network authentication B02.1X 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 Just 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 Edge Storage Micro SD/SDLC/SDXC 1slot 128GB Memory -30°C+45°C(-22°F++131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°C Storage Temperature / Humidity -30°C+45°C(-22°F++131°F) / 0~90% RH(non-condensing) * Start	Bitrate Control	
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OS / Firmware Protect Firmware encryption User authentication Digest Authentication, Prevent brute-force attack Network authentication 802.1X Authentication(EAP-TLS, EAP-EAP 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 Edge Storage Webpage Language English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch Edge Storage Micro SD/SDHC/SDXC 1slot 128GB Memory 512MB RAM. 256MB Flash Environmental & Electrical Operating Temperature / Humidity Oper(-eEE802.3af, Class3) PoeV(-e22*F+140*F) / 0-90% RH(non-condensing) * Start up should be done at above -20*C Storage Input Voltage PoE(IEE802.3af, Class3) Power Consumption PoE(IEE802.3af, Class3) Power Consumption PoE(IEE802.3af, Class3) Power Consumption PoE(IEE	Application Programming Interface	SUNAPI(HTTP API)
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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	User authentication	Digest Authentication, Prevent brute-force attack
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 English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch Edge Storage Micro SD/SDHC/SDXC 1slot 128GB Memory 512MB RAM, 256MB Flash Certificate(Hanwha Private Root CA) Certificate Colspan="2">Certificate Colspan="2">Certificate Colspan="2">Certification Dyperating Temperature / Humidity -30°C~+55°C(-22°F~+131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°C Storage Temperature / Humidity -30°C~+60°C(-22°F~+140°F) / 0~90% RH Certification Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical Color / Material Dark grey / Aluminum	Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
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	Secure Communication	HTTPS, SRTP, WSS(Websocket secure)
Audit User Access/System/Event log management Device ID Device Certificate(Hanwha Private Root CA) Secure Storage SDcard partition encrypt General	Access Control	Access control based on IP address
Device ID Device Certificate(Hanwha Private Root CA) Secure Storage SDcard partition encrypt General	Data Protect	Authentication information encryption, ZIP compression encryption
Secure Storage SDcard partition encrypt General English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch Edge Storage Micro SD/SDHC/SDXC 1slot 128GB Memory 512MB RAM, 256MB Flash Environmental & Electrical Operating Temperature / Humidity -30°C~+55°C(-22°F~+131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°C Storage Temperature / Humidity -30°C~+60°C(-22°F~+140°F) / 0~90% RH Certification IP66, IK10 Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical Color / Material Color / Material Dark grey / Aluminum	Audit	User Access/System/Event log management
General Webpage Language English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch Edge Storage Micro SD/SDHC/SDXC 1slot 128GB Memory 512MB RAM, 256MB Flash Environmental & Electrical Operating Temperature / Humidity -30°C~+55°C(-22°F~+131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°C Storage Temperature / Humidity -30°C~+60°C(-22°F~+140°F) / 0~90% RH Certification IP66, IK10 Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W	Device ID	Device Certificate(Hanwha Private Root CA)
Webpage Language English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch Edge Storage Micro SD/SDHC/SDXC 1slot 128GB Memory 512MB RAM, 256MB Flash Environmental & Electrical Operating Temperature / Humidity -30°C~+55°C(-22°F~+131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°C Storage Temperature / Humidity -30°C~+60°C(-22°F~+140°F) / 0~90% RH Certification IP66, IK10 Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical Dark grey / Aluminum	Secure Storage	SDcard partition encrypt
Polish, Turkish, Dutch Polish, Turkish, Dutch Edge Storage Micro SD/SDHC/SDXC 1slot 128GB Memory 512MB RAM, 256MB Flash Environmental & Electrical	General	
Memory 512MB RAM, 256MB Flash Environmental & Electrical Operating Temperature / Humidity -30°C~+55°C(-22°F~+131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°C Storage Temperature / Humidity -30°C~+60°C(-22°F~+140°F) / 0~90% RH Certification IP66, IK10 Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical Color / Material Dark grey / Aluminum Dark grey / Aluminum	Webpage Language	
Environmental & Electrical Operating Temperature / Humidity -30°C~+55°C(-22°F~+131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°C Storage Temperature / Humidity -30°C~+60°C(-22°F~+140°F) / 0~90% RH Certification IP66, IK10 Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical Color / Material Color / Material Dark grey / Aluminum	Edge Storage	Micro SD/SDHC/SDXC 1slot 128GB
Operating Temperature / Humidity-30°C~+55°C(-22°F~+131°F) / 0~90% RH(non-condensing) * Start up should be done at above -20°CStorage Temperature / Humidity-30°C~+60°C(-22°F~+140°F) / 0~90% RHCertificationIP66, IK10Input VoltagePoE(IEEE802.3af, Class3)Power ConsumptionPoE: Max 7.50W, typical 6.10WHechanicalColor / MaterialDark grey / Aluminum	Memory	512MB RAM, 256MB Flash
* Start up should be done at above -20°CStorage Temperature / Humidity-30°C~+60°C(-22°F~+140°F) / 0~90% RHCertificationIP66, IK10Input VoltagePoE(IEEE802.3af, Class3)Power ConsumptionPoE: Max 7.50W, typical 6.10WHechanicalColor / MaterialDark grey / Aluminum	Environmental & Electrical	
Certification IP66, IK10 Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical	Operating Temperature / Humidity	
Certification IP66, IK10 Input Voltage PoE(IEEE802.3af, Class3) Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical	Storage Temperature / Humidity	-30°C~+60°C(-22°F~+140°F) / 0~90% RH
Power Consumption PoE: Max 7.50W, typical 6.10W Mechanical	Certification	IP66, IK10
Mechanical Color / Material Dark grey / Aluminum	Input Voltage	PoE(IEEE802.3af, Class3)
Color / Material Dark grey / Aluminum	Power Consumption	PoE: Max 7.50W, typical 6.10W
	Mechanical	
Product Dimensions / Weight	Color / Material	Dark grey / Aluminum
	Product Dimensions / Weight	ø70.0x246.0mm(ø4.33x3.39"), 680g(1.50 lb)
Backbox SBO-100B1	Backbox	SBO-100B1

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QNO-8010R



DORI (EN62676-4 standard)	
Detect (25PPM/ 8PPF)	40.0m(131.20ft)
Observe (63PPM/ 19PPF)	16.0m(52.48ft)
Recognize (125PPM/ 38PPF)	8.0m(26.24ft)
Identify (250PPM/ 76PPF)	4.0m(13.12ft)

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