





QNV-C8011R

5MP IR Vandal Dome Camera











Key Features

- Max. 5MP resolution
- Color: 0.03Lux(F1.6, 1/30sec), BW: 0.003Lux(F1.6, 1/30sec, 30IRE)
- Focal length: 3.0 mm fixed focal
- 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, NEMA4X



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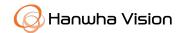






Specifications

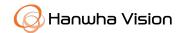
Imaging Device 1/2.8" CMOS Resolution 2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 640x480, 640x360, 320x240 Max. Framerate H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps(@5MP Max. 5fps) Min. Illumination Color: 0.03Lux(F1.6, 1/30sec, 30IRE) BW: 0.003Lux(F1.6, 1/30sec, 30IRE), 0Lux(IR LED on) Video Out USB: Micro USB Type B, 1280x720 for installation Lens Focal Length (Zoom Ratio) 3.0mm fixed focal	720x480,
640x480, 640x360, 320x240 Max. Framerate	720x480,
MJPEG: Max. 30fps(@5MP Max. 5fps) Min. Illumination Color: 0.03Lux(F1.6, 1/30sec, 30IRE) BW: 0.003Lux(F1.6, 1/30sec, 30IRE), 0Lux(IR LED on) Video Out USB: Micro USB Type B, 1280x720 for installation Lens	
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Lens	
Focal Length (Zoom Ratio) 3.0mm fixed focal	
Max. Aperture Ratio F1.6	
Angular Field of View H: 100°/ V: 73°/ D: 129°	
Min. Object Distance 0.5m (1.64ft)	
Focus Control Fixed	
Lens Type Fixed IRIS	
Mount Type M12	
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range 0°~350° / -35°~70° / 0°~355°	
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 Triggers	Analytics, Network disconnect
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 - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP)
IR Viewable Length	20m(65.62ft)
IR Wavelength	long-life 850 nm IR LED
Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
Smart Codec	Manual(5ea area), WiseStreamIII(Based on Al engine)
Bitrate Control	H.264/H.265: CBR or VBR
brace control	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)
Application Programming Interface	ONVIF Profile S/G/T/M SUNAPI(HTTP API)
Security	
OS / Firmware Protect	Secure boot, Signed firmware, Firmware encryption
User authentication	Digest Authentication, Prevent brute-force attack
Network authentication	802.1X 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	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
Security Certificate	Secure by default
General	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Memory	2GB RAM, 1GB Flash
Environmental & Electrical	
Operating Temperature / Humidity	-40°C~+55°C(-40°F~+131°F) / 0~95% RH * Start up should be done at above -30°C Humidity control /w Air vapor control

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.





Storage Temperature / Humidity	-50°C~+60°C(-58°F~+140°F) / 0~95% RH
Certification	IP66, IK10, NEMA4X
Input Voltage	PoE(IEEE802.3af, Class3)
Power Consumption	PoE: Max 8.5W, typical 4.9W
Markantal	
Mechanical	
Color / Material	White / Aluminum Bubble : Hard-coated dome
RAL Code	RAL9003
Product Dimensions / Weight	ø110x77mm(ø4.33x3.03"), 522g(1.15 lb)
Compatible Conduit hole / Gangbox	SBD-110GP1: Single, Double, 4" Octagon (Sold seperately)
Hanging Mount (Dome)	SBP-120HMW
Backbox	SBV-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 KS C 9832 Class A, KS C 9835
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)	43.5m(142.71ft)
Observe (63PPM/ 19PPF)	17.5m(57.09ft)
Recognize (125PPM/ 38PPF)	8.7m(28.54ft)
Identify (250PPM/ 76PPF)	4.3m(14.27ft)



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CAD Unit:mm [inch]

