



Network

Dome

# QNV-8010R

5M H.265 IR Dome 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-300LMW



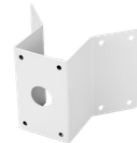
SBV-120WCW



SPB-VAW12



SBP-300MMW1



SBP-300KMW



SBP-300BW



SBP-122HMW



SBV-120GW



SBP-300PMW



SBP-300MMW



SBP-137MMW1



SBP-300NBW



SBP-300CMW

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## Specifications

### Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution	320x240, 1280x720, 720x480, 1280x960, 1920x1080, 2560x1440, 800x448, 720x576, 640x360, 640x480, 800x600, 2592x1944	
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°~350°
	Tilt	0°~67°
	Rotate	0°~355°

### Operational

Day & Night	Auto(ICR)	
Backlight Compensation	WDR, SSSR, BLC	
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, Middle, High
White Balance		AWC, ATW, Manual, Indoor, Outdoor
LDC		Support
Electronic Shutter	Mode	Maximum, Anti flicker, Minimum
	Speed Range	1/5~1/12,000sec
Video Rotation		Hallway view(90°/270°), Flip, Mirror
Alarm Interface	In/Out	Input 1ea, Output 1ea
Alarm Triggers		Network disconnect, Alarm input, Analytics
Alarm Events When Alarm Trigger Occurred		Recording: SD/SDHC/SDXC or NAS recording at event triggers, File upload(image): e-mail/FTP, Notification: e-mail, Handover: PTZ preset, Alarm output
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		SRTP, HTTPS, WSS(WebSocket Secure)

## Security

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 & 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 5.80W

## Mechanical

Color	White
Material	Aluminum
RAL Code	RAL9003
Product Dimensions	ø120.3x91.7mm(ø4.74x3.61")
Product Weight	510g(1.12lb)

## 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]

