

Network Dome

QNV-6024RM

2MP Full HD Vandal-Resistant Mobile Network IR Flat Dome

Key Features

- 1080p @ 30fps
- Dual Codec H.264/MJPEG
- 3.6mm Fixed Lens
- 120dB WDR, analog video out for easy installation
- Motion Detection, Tampering<, Intelligent Video Analytics
- Built-in IR & Mic
- Hallway View, LDC
- SD Memory card slot, 256GB maximum
- IP66
- IK10
- M12 ethernet connector for secure connection to transit-rated ethernet switches
- Certified EN50155/EN50121
- 802.3af PoE Mode A
- Operating temperature range -22°F ~ +131°

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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Specifications

Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution		1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	15fps(@2MP Max. 4fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.03
	BW(1/30sec, 30IRE)	0.003
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation

Lens

Focal Length (mm)		3.6
Max Aperture Ratio (F number)	Wide	2.0
Angular Field of View	Horizontal	95°
	Vertical	50°
	Diagonal	115°
Min. Object Distance		0.5m(1.64ft)
Focus Control		Fixed

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	±5°
	Tilt	0°~67°
	Rotate	±90°

Operational

Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR
Wide Dynamic Range (dB)	120
Digital Noise Reduction	SSNR

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Operational

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 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
Audio In		Selectable(mic in/line in), Built-in mic
Audio Out		Line out
Light Type		IR LED
Light Viewable Length	IR	15m(49.21ft)
IR Wavelength		850nm

Analytics

Analytics Events	Normal	Defocus detection, Motion detection, Tampering, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing, Direction)

Network

Ethernet		Metal shielded M12(10/100BASE-T)
Video Compression		H.265: Main, H.264: Main/High,MJPEG
Audio Compression		G.711 u-law /G.726 selectable, G.726(ADPCM) 8kHz, G.711 8kHz, G.726: 16kbps, 24kbps, 32kbps, 40kbps
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, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP

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Network

Application Programming Interface	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
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	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 & 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	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3)
Power Consumption	PoE	Max. 6.70W, typical 5.00W

Mechanical

Color	Ivory
Material	Aluminum
RAL Code	RAL9003
Product Dimensions	98.9x52.0x100.0mm(3.89x2.05x3.94")
Product Weight	295g(0.65lb)
Compatible Gang Box	Single, Double, 4" Octagon

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Certifications & Standards

EMC	FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 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 60950-1, CAN/CSA C22.2 NO. 60950-1, IEC 62471
Environment	IEC/EN 63000, IEC 60529 IP66, IEC 62262 IK10, EN 50155, EN 50121-4

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	35.3m(115.84ft)
Observe (63PPM/ 19PPF)	Wide	14.1m(46.33ft)
Recognize (125PPM/ 38PPF)	Wide	7.1m(23.17ft)
Identify (250PPM/ 76PPF)	Wide	3.5m(11.58ft)

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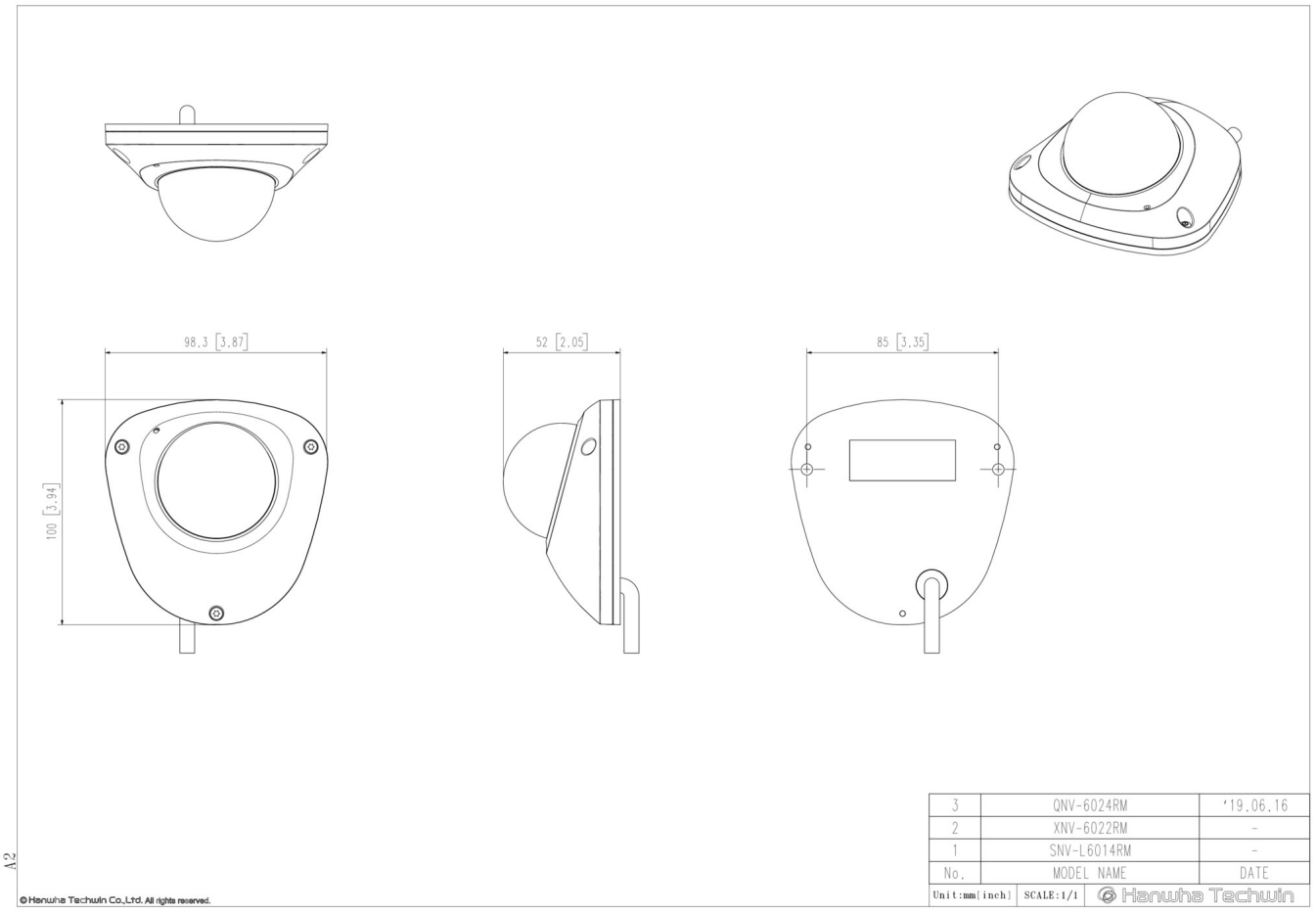
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CAD

Unit: mm [inch]



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