Hanwha Vision



Network Dome

QND-7082R

4MP IR Dome Camera

Key Features

- Color : 0.1Lux (F1.6, 1/30sec), B/W : 0Lux (IR LED On)
- 3.2 ~ 10mm (3.1x) motorized varifocal lens
- IR viewable length: 20m (65.62ft)
- Day&Night (ICR), WDR (120dB)
- H.265, H.264, MJPEG, Multiple streaming supported
- Motion detection, Tampering, Defocus detection
- Hallway view (90°/270°), LDC support
- Micro SD/SDHC/SDXC memory 1 slot (Max. 128GB)

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QND-7082R

4MP IR Dome Camera



Specifications

Video

Imaging Device	Size	1/3"
	Type	CMOS
Resolution		2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	15fps(@4MP Max. 2fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.1
	BW(1/30sec, 30IRE)	0.01
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation

Lens

Focal Length (mm)		3.2~10
Zoom Ratio	Optical	3.1x
Max Aperture Ratio (F number)	Wide	1.6
	Tele	2.9
Angular Field of View	Horizontal	99°~30°
	Vertical	53°~17°
	Diagonal	116°~35°
Min. Object Distance		0.5m(1.64ft)
Focus Control		Simple focus
Lens Type		DC auto iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	0°~350°
	Tilt	0°~67°
	Rotate	0°~355°

Operational

Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR

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Operational

Wide Dynamic Range (dB)		120
Digital Noise Reduction		SSNR
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 Interface	In/Out	Input 1ea, Output 1ea
Alarm Triggers		Analytics, Network disconnect, Alarm input
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
Audio In		Built-in mic
Light Type		IR LED
Light Viewable Length	IR	20m(65.62ft)
IR Wavelength		850nm

Analytics

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

Network

Ethernet		RJ-45(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		Manual, 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

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Network

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, SRTP(TCP, UDP Unicast), PPPoE, PIM-SM
Application Programming Interface	ONVIF	S, G, T
	Others	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	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	-10°C~+55°C(+14°F~+131°F)
	Humidity	0~95% RH(non-condensing)
Storage Condition	Temperature	-30°C~+60°C(-22°F~+140°F)
	Humidity	0~95% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE	Max. 8.6W, typical 6.3W
	12VDC	Max. 7.6W, typical 5.4W

Mechanical

Color	White
Material	Plastic
RAL Code	RAL9003
Product Dimensions	ø119.8x98.8mm(4.72x3.89")
Product Weight	320g(0.71lb)
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

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	27m(89.86ft)
	Tele	129m(422.61ft)
Observe (63PPM/ 19PPF)	Wide	11m(35.95ft)
	Tele	52m(169.04ft)
Recognize (125PPM/ 38PPF)	Wide	6m(17.97ft)
	Tele	26m(84.52ft)
Identify (250PPM/ 76PPF)	Wide	3m(8.99ft)
	Tele	13m(42.26ft)

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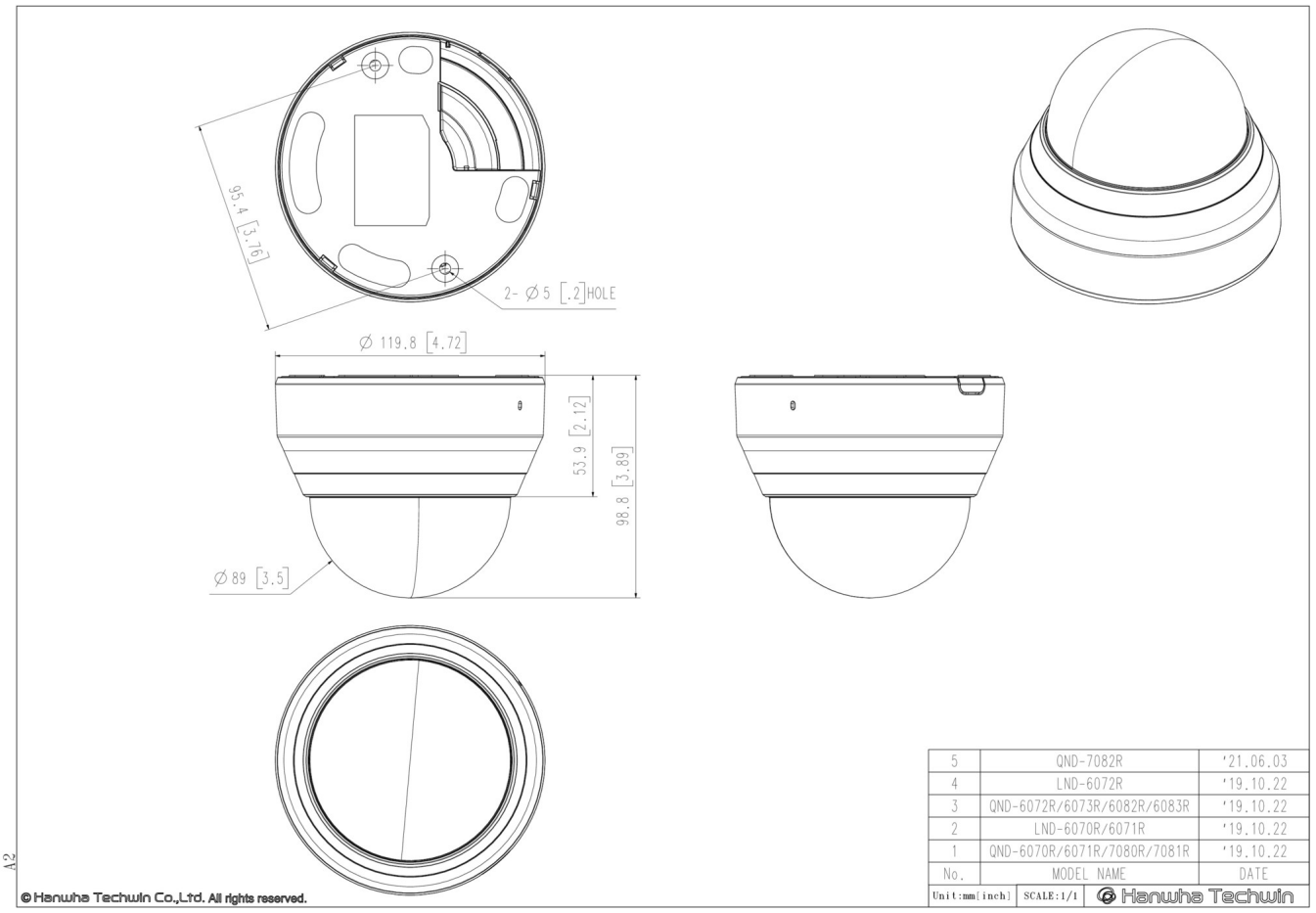
QND-7082R

4MP IR Dome Camera



CAD

Unit: mm [inch]



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Compatible Devices



SBP-120WMW



SBP-300LMW



SBP-300WMW1



SBP-300KMW



SBP-300BW



SBP-122HMW



SPG-IND72B



SBP-300PMW



SPB-INW72



SBP-300WMW



SBP-300NBW



SBP-300CMW

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