

Network

PNM-9085RQZ1

5MP x 4CH IR PTRZ Multi-directional Camera

Key Features

- Motorized PTRZ support
- Maximum 30fps@5MP(H.265, H.264)
- 4.13~9.4mm(2.3x) motorized varifocal lens
- IR viewable length : 30m(98.43ft)
- H.265, H.264, MJPEG codec, Multi streaming
- Video analytics, WiseStream II
- IP66, IK10, NEMA4X

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Specifications

Video

Imaging Device	Size	1/1.8"
	Type	CMOS
Resolution		2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.11
	BW(1/30sec, 30IRE)	0.011

Lens

Focal Length (mm)		4.13-9.4
Zoom Ratio	Optical	2.3x
Max Aperture Ratio (F number)	Wide	1.92
	Tele	2.67
Angular Field of View	Horizontal	88°~37°
	Vertical	65°~28°
	Diagonal	113°~46°
Min. Object Distance		1.2m(3.94ft)
Focus Control		Simple focus
Lens Type		DC auto iris(IR corrected)

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	0°~360°
	Tilt	35°~80°
	Rotate	0°~90°
	Others	Remote adjustment(Max. 200cycles)

Operational

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

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Operational

Wide Dynamic Range (dB)		120
Digital Noise Reduction		SSNR V
Digital Image Stabilization		Support
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	4point Quadrangle zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
Gain Control		Low, Middle, High
White Balance		ATW, AWC, Manual, Indoor, Outdoor
LDC		Support
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Digital PTZ		Support
Video Rotation		Flip, Mirror
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		Selectable(mic in/line in)
Audio Out		Line out
Light Type		IR LED
Light Viewable Length	IR	30m(98.43ft)
IR Wavelength		850nm

Analytics

Analytics Events	Normal	Defocus detection, Motion detection, Tampering, Fog detection, Face detection, Audio detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction)

Network

Ethernet	Metal shielded RJ-45(10/100/1000BASE-T)
Video Compression	H.265: Main, H.264: Main/Baseline/High,MJPEG
Audio Compression	G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz, G.726: 16kbps,24kbps,32kbps,40kbps, AAC-LC: 48kbps at 16kHz
Smart Codec	Manual, WiseStream II

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Network

Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 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, CDP, PIM-SM
Application Programming Interface	ONVIF	S, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Optional (needs gateway)

Security

User authentication	Digest authentication
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP)
Secure Communication	HTTPS
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	5GB
	Flash	1280MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 4slot(Total 1TB)

Environmental & Electrical

Operating Condition	Temperature	-40°C~+55°C(-40°F~+131°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
EPA(Effective Projected Area)		0.036㎡
Input Voltage		PoE++(IEEE802.3bt type4, Class8), 12VDC
Power Consumption	PoE	Max. 45W, Typical 33.7W
	12VDC	Max. 42W, Typical 32W

Mechanical

Color	White
Material	Aluminum

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Mechanical

RAL Code	RAL9003
Product Dimensions	ø315x145.9mm(12.40x5.74")
Product Weight	5,200g(11.5lb)
Compatible Conduit Hole	19.1mm(3/4")(M25)
Compatible Gang Box	Single, Double, 4" Octagon, Square

Certifications & Standards

Environment	IEC 60529 IP66, IEC 62262 IK10, NEMA 250 type 4X

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	53.4m(175.2ft)
	Tele	151.5m(497.1ft)
Observe (63PPM/ 19PPF)	Wide	21.4m(70.1ft)
	Tele	60.6m(198.9ft)
Recognize (125PPM/ 38PPF)	Wide	10.7m(35.0ft)
	Tele	30.3m(99.4ft)
Identify (250PPM/ 76PPF)	Wide	5.3m(17.5ft)
	Tele	15.2m(49.7ft)

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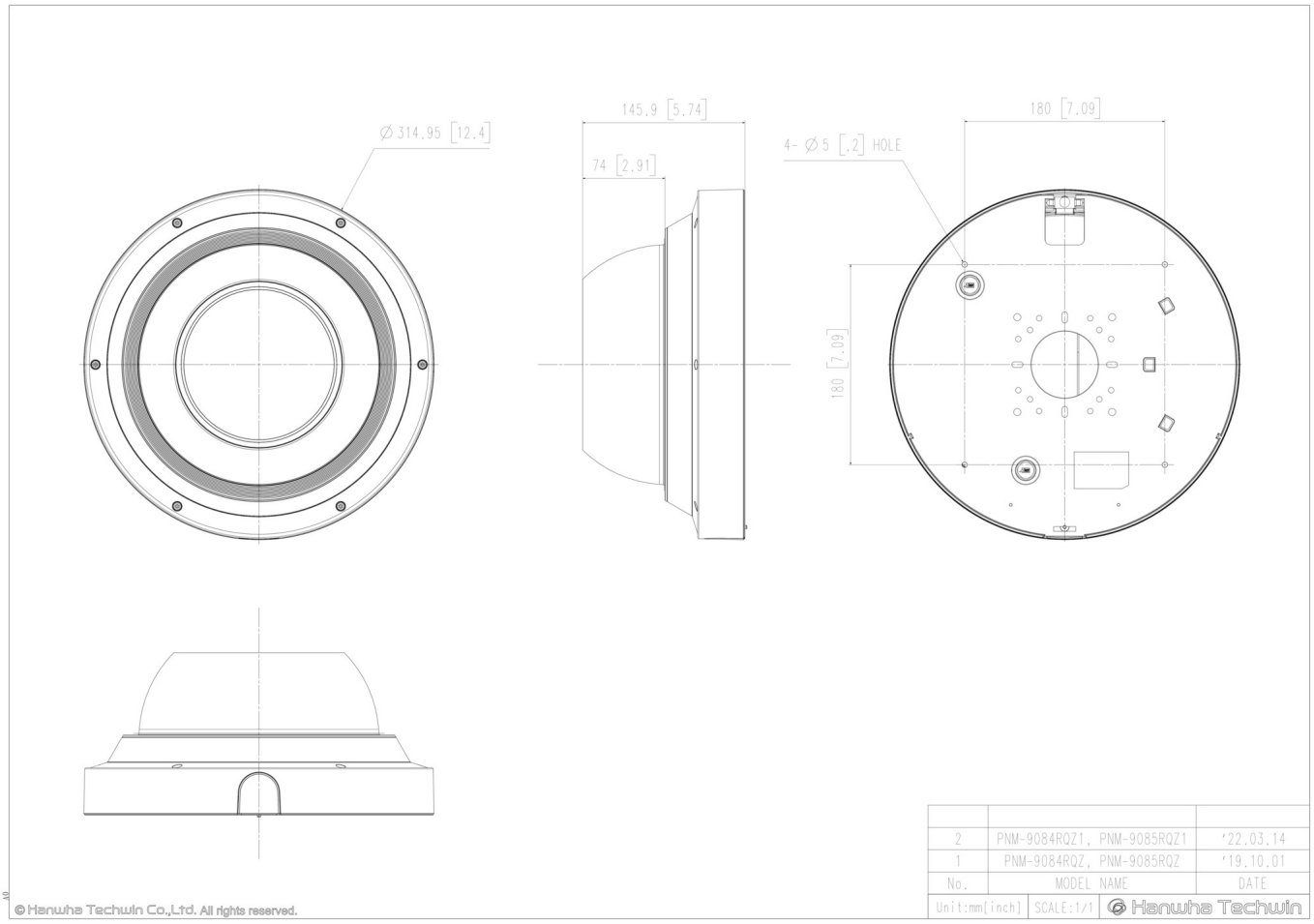
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CAD

Unit: mm [inch]



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