

# PNM-9085RQZ

20MP IR PTRZ Multi-directional Camera



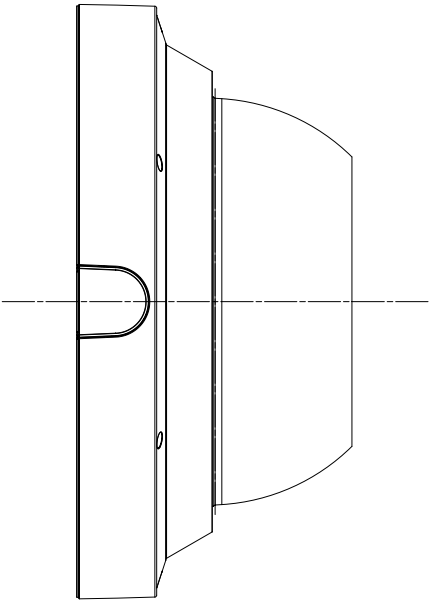
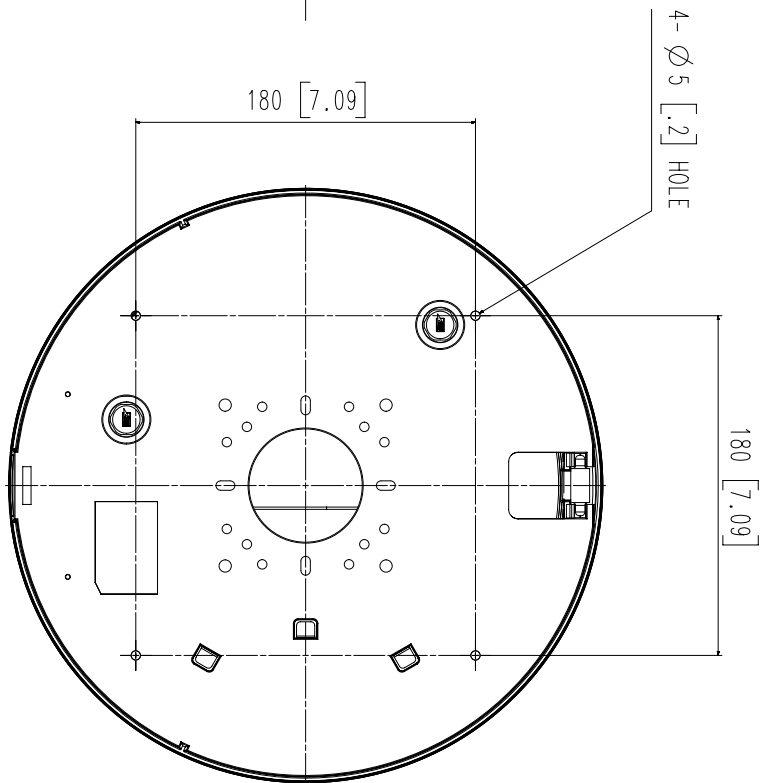
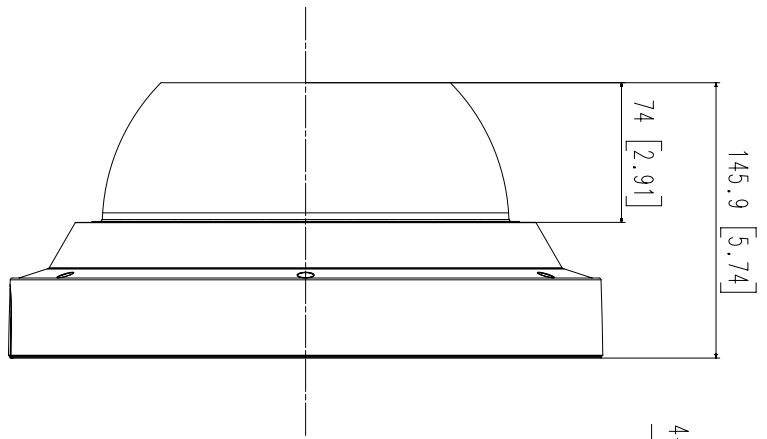
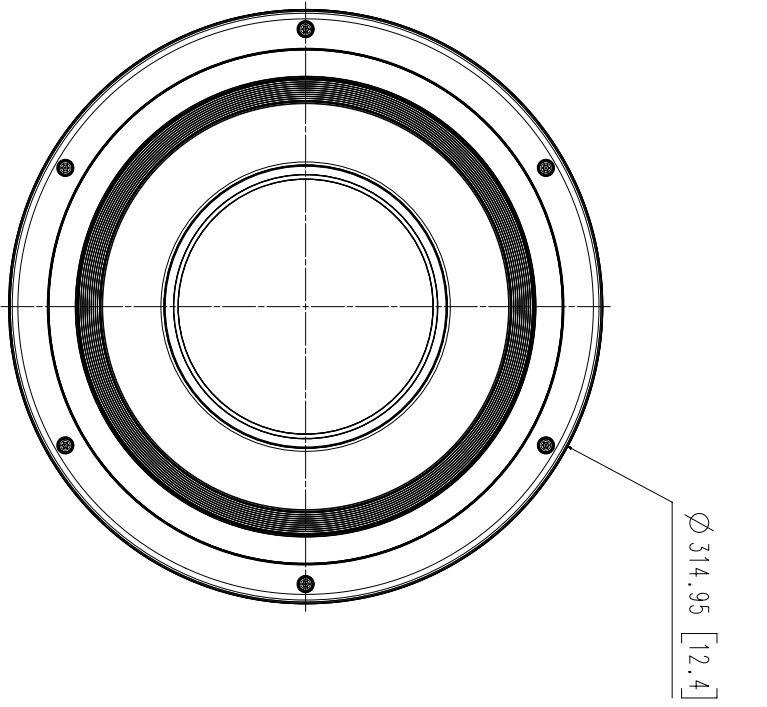
## Key Features

- 5MP x 4ch multi-directional camera
- Motorized PTRZ support
- Maximum 30fps@5MP(H.265, H.264)
- 4.13~9.4mm(2.3x) motorized varifocal lens
- IR viewable length : 30m
- H.265, H.264, MJPEG codec, Multi streaming
- Video analytics, WiseStream II
- IP66, IK10, NEMA4X

<b>Video</b>	
Imaging Device	1/1.8" 5MP CMOS: each CH
Effective Pixels	2616(H)x1976(V): each CH
Minimum Illumination	Color: 0.11lux (F1.6,30 IRE) BW: 0Lux (IR LED on)
<b>Lens</b>	
Focal Length (Zoom Ratio)	4.13~9.4mm (2.3x) motorized varifocal
Maximum Aperture Ratio	F1.92 (Wide)~F2.67 (Tele)
Angular Field of View	H: 87.58°(Wide)~37.34°(Tele) / V: 64.58°(Wide)~28.04°(Tele) / D: 112.46°(Wide)~46.85°(Tele)
Minimum Object Distance	1.2m
Focus Control	Simple focus
<b>Pan / Tilt / Rotate</b>	
Pan / Tilt / Rotate Range	Remote adjustment (Maximum 200 cycles) 0~360° / 35~80° / 0~90°
<b>Operational</b>	
IR Viewable Length	30m
Camera Title	Displayed up to 85 characters
Day & Night	Auto (ICR)
Backlight Compensation	BLC, HLC, WDR, SDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, polygonal zones - Color: Grey, Green, Red, Blue, Black, White - Mosaic
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	File upload via FTP and e-mail, Notification via e-mail, SD/SDHC/SDXC or at event triggers, Alarm output, Handover
Audio In	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Maximum output level: 1Vrms

<b>Network</b>	
Ethernet	RJ-45(10/100/1000BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Resolution	2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Maximum Framerate	H.265/H.264 : 30fps MJPEG: 30fps
Smart Codec	Manual(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
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
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, PIM-SM, UPnP, Bonjour, LLDP
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Edge Storage	Micro SD/SDHC/SDXC 4 slots, maximum 256GB/each CH
Application Programming Interface	ONVIF Profile S/T SUNAPI(HTTP API) Wisenet open platform
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.13 Recommended Browser: Google Chrome Supported Browser: MS Explorer 11, MS Edge, Mozilla Firefox (Windows 64-bit only), Apple Safari (Mac OS X only)
Memory	5GB RAM, 1280MB Flash
<b>Environmental</b>	
Operating Temperature / Humidity	-40°C~+55°C(-40°F~+131°F) / Less than 90% RH
Storage Temperature / Humidity	-50°C~+60°C(-58°F~+140°F) / Less than 90% RH
Certification	IP66, IK10, NEMA4X
<b>Electrical</b>	
Input Voltage	HPoE, 12VDC
Power Consumption	Maximum : 45W Typical : 32W
<b>Mechanical</b>	
Color / Material	White / Aluminum
RAL Code	RAL9003
Product dimensions / weight	φ315x145.9mm / 5.2kg
Gangbox compatibility	Single, Double 4" Square, 4" Octagon

- The latest product information / specification can be found at [hanwhasecurity.com](http://hanwhasecurity.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.



Unit: mm [inch]	SCALE: 1/1	© Hanwha Techwin
No.	MODEL NAME	DATE
1	PNM-9084RQZ, PNM-9085RQZ	'19.10.08