

PNM-9084RQZ

2MP x 4CH IR PTRZ Multi-directional Camera



Key Features

- Motorized PTRZ support
- 60fps@2MP(H.265, H.264)
- 3.2~10mm(3.1x) motorized varifocal lens
- IR viewable length : 30m
- H.265, H.264, MJPEG codec, Multi streaming
- Video analytics, WiseStream II
- IP66, IK10, NEMA4X
- HPOE Injector included

Accessories (Optional)



SBP-390WMW2



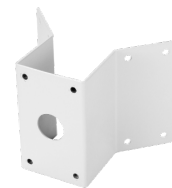
SBP-317HMW



SBP-300CMW



SBP-300PMW



SBP-300KMW



SBP-300LMW

Video

Imaging Device	1/2.8" CMOS x 3CH
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Maximum Framerate	H.265/H.264: Maximum 60fps MJPEG: Maximum 30fps
Minimum Illumination	Color: 0.05lux(F1.6,30 IRE) BW: 0Lux(IR LED on)

Lens

Focal Length (Zoom Ratio)	3.2~10mm(3.1x) motorized varifocal
Maximum Aperture Ratio	F1.6(Wide)~F2.9(Tele)
Angular Field of View	H: 109.0° (Wide)~33.2° (Tele), V: 57.4° (Wide)~18.7° (Tele), D: 132.0° (Wide)~38.0° (Tele)
Minimum Object Distance	0.5m(1.64ft)
Focus Control	Simple focus
Lens Type	DC auto iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Remote adjustment (Maximum 200 cycles) 0~360° / 30~80° / 0~90°
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Operational

Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSSR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNRV
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
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 at event triggers Alarm output Handover
Audio In	Selectable(microphone in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Maximum output level: 1Vrms

Network

Ethernet	Metal shielded RJ-45(10/100/1000BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Audio Compression	G.711 u-law /G.726 G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz
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)
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) Device Certificate(Hanwha Techwin Root CA)
Application Programming Interface	ONVIF Profile S/T SUNAPI(HTTP API) Wisenet open platform

General

Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Edge Storage	Micro SD/SDHC/SDXC 4 slots 256GB(each CH)
Memory	5GB RAM, 1280MB Flash

Environmental & Electrical

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
Input Voltage	IEEE 802.3bt Type 3 HPOE, injector included
Power Consumption	Maximum : 42W Typical : 28W

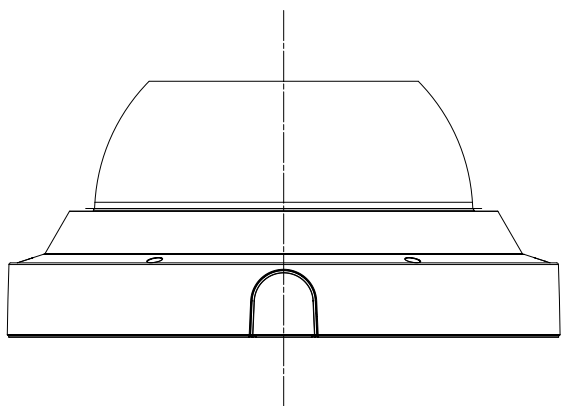
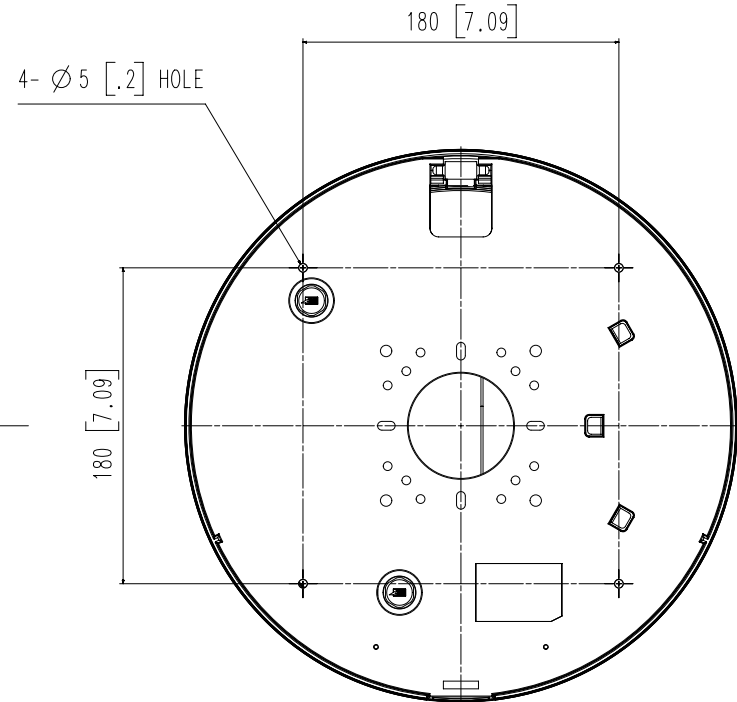
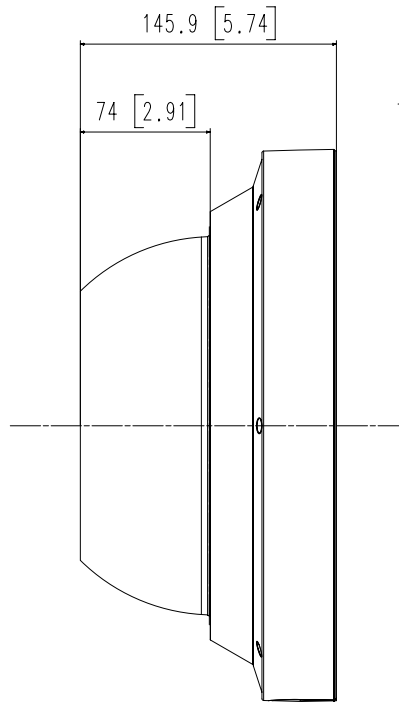
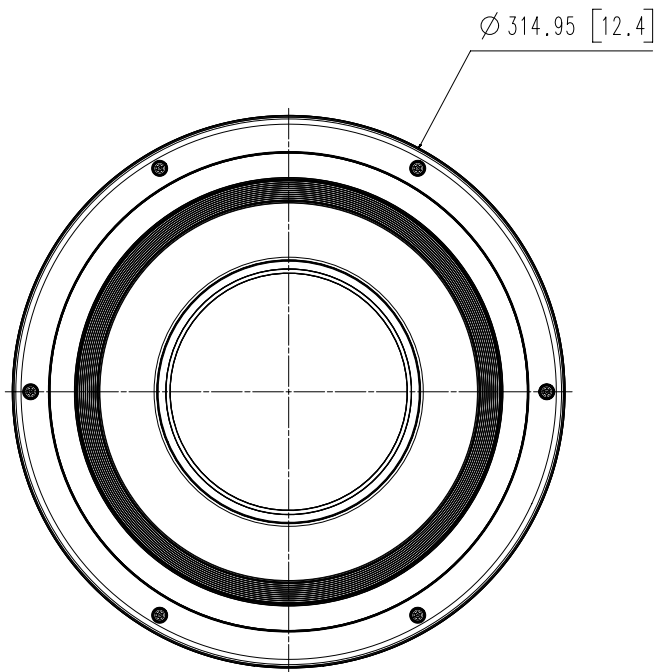
Mechanical

Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	Ø315x145.9mm (Ø12.4"x5.74") / 5.2Kg (11.46lbs)
Gangbox compatibility	Single, Double 4" Square, 4" Octagon

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide: 27.4m(89.9ft) / Tele: 128.8m(422.6ft)
Observe (63PPM/ 19PPF)	Wide: 62.5m(35.9ft) / Tele: 51.5m(169.0ft)
Recognize (125PPM/ 38PPF)	Wide: 5.5m(18.0ft) / Tele: 25.8m(84.5ft)
Identify (250PPM/ 76PPF)	Wide: 2.7m(9.0ft) / Tele: 12.9m(42.3ft)

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



1	PNM-9084RQZ, PNM-9085RQZ	'19.10.01
No.	MODEL NAME	DATE
Unit:mm[inch]		SCALE:1/1
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