



Network

Multi-sensor

# PNM-9084QZ1

2MP x 4CH PTRZ Multi-directional Camera

FC |  | CE | EAC

## Key Features

- Motorized PTRZ support
- Maximum 60fps@2MP(H.265, H.264)
- 3~6mm(2x) motorized varifocal lens
- H.265, H.264, MJPEG codec, Multi streaming
- Video analytics, WiseStream II
- IP66, IK10, NEMA4X

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## Specifications

### Video

<b>Imaging Device</b>	1/2.8" CMOS x 4CH
<b>Resolution</b>	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
<b>Max. Framerate</b>	H.265/H.264: Max. 60fps/50fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
<b>Min. Illumination</b>	Color: 0.04lux(F2.2, 1/30sec) BW: 0.004lux(F2.2, 1/30sec)

### Lens

<b>Focal Length (Zoom Ratio)</b>	3~6mm(2x) motorized varifocal
<b>Max. Aperture Ratio</b>	F2.2(Wide)-F3.1(Tele)
<b>Angular Field of View</b>	H: 107(Wide)~56.3(Tele) / V: 57(Wide)~31.5(Tele) / D: 126(Wide)~64.3(Tele)
<b>Min. Object Distance</b>	0.5m(1.64ft)
<b>Focus Control</b>	Simple focus
<b>Lens Type</b>	Fixed iris

### Pan / Tilt / Rotate

<b>Pan / Tilt / Rotate Range</b>	Remote adjustment (Max. 200cycles) 0~360 / 0~73 / 0~90
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### Operational

<b>Camera Title</b>	Displayed up to 85 characters
<b>Day &amp; Night</b>	Auto(ICR)
<b>Backlight Compensation</b>	BLC, HLC, WDR, SSSDR
<b>Wide Dynamic Range</b>	120dB
<b>Digital Noise Reduction</b>	SSNR V
<b>Digital Image Stabilization</b>	Support
<b>Defog</b>	Support
<b>Motion Detection</b>	8ea, 8point polygonal zones
<b>Privacy Masking</b>	32ea, polygonal zones - Color: Grey, Green, Red, Blue, Black, White - Mosaic
<b>Gain Control</b>	Low / Middle / High
<b>White Balance</b>	ATW / AWC / Manual / Indoor / Outdoor
<b>LDC</b>	Support
<b>Electronic Shutter Speed</b>	Minimum / Maximum / Anti flicker (2~1/12,000sec)
<b>Video Rotation</b>	Flip, Mirror
<b>Analytics</b>	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection
<b>Alarm I/O</b>	Input 1ea / Output 1ea
<b>Alarm Triggers</b>	Analytics, Network disconnect, Alarm input
<b>Alarm Events</b>	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC at event triggers Alarm output Handover

<b>Audio In</b>	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
<b>Audio Out</b>	Line out, Max.output level: 1Vrms

## Network

<b>Ethernet</b>	Metal shielded RJ-45(10/100/1000BASE-T)
<b>Video Compression</b>	H.265/H.264: Main/Baseline/High, MJPEG
<b>Audio Compression</b>	G.711 u-law /G.726 G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz
<b>Smart Codec</b>	Manual(5ea area), WiseStream II
<b>Bitrate Control</b>	H.264/H.265: CBR or VBR MJPEG: VBR
<b>Streaming</b>	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
<b>Protocol</b>	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
<b>Security</b>	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)
<b>Application Programming Interface</b>	ONVIF Profile S/T SUNAPI(HTTP API) Wisenet open platform

## General

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

## Environmental & Electrical

<b>Operating Temperature / Humidity</b>	-40°C~+55°C(-40°F~+131°F) / Less than 90% RH *Start up should be above at -35C
<b>Storage Temperature / Humidity</b>	-50°C~+60°C(-58°F~+140°F) / Less than 90% RH
<b>Certification</b>	IP66, IK10, NEMA4X
<b>Input Voltage</b>	HPoE
<b>Power Consumption</b>	Max. 33W, Typical 20W

## Mechanical

<b>Color / Material</b>	White / Aluminum
<b>RAL Code</b>	RAL9003
<b>Product Dimensions / Weight</b>	Ø251x116.5mm / 3Kg
<b>Compatible Conduit hole / Gangbox</b>	3/4"

## DORI (EN62676-4 standard)

<b>Detect (25PPM/ 8PPF)</b>	Wide: 28.4m(11.18ft) / Tele: 71.8m(28.27ft)
<b>Observe (63PPM/ 19PPF)</b>	Wide: 11.4m(4.49ft) / Tele: 28.7m(11.30ft)
<b>Recognize (125PPM/ 38PPF)</b>	Wide: 5.7m(2.24ft) / Tele: 14.4m(5.67ft)
<b>Identify (250PPM/ 76PPF)</b>	Wide: 2.8m(1.10ft) / Tele: 7.8m(3.07ft)

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CAD

Unit: mm [inch]

