



Network

Multi-sensor

# PNM-9084RQZ1

2MP x 4CH IR PTRZ Multi-directional Camera



## Key Features

- Motorized PTRZ support
- Maximum 60fps@2MP(H.265, H.264)
- 3.2~10mm(3.1x) motorized varifocal lens
- IR viewable length : 30m(98.43ft)
- H.265, H.264, MJPEG codec, Multi streaming
- Video analytics, WiseStream II
- IP66, IK10, NEMA4X

# PNM-9084RQZ1

2MP x 4CH IR PTRZ Multi-directional Camera



## Specifications

|                             |  |
|-----------------------------|--|
| Video                       |  |
| Imaging Device              | 1/2.8" CMOS x 4CH  |
| Resolution                  | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240  |
| Max. Framerate              | H.265/H.264: Max. 60fps/50fps(60Hz/50Hz)<br>MJPEG: Max. 30fps/25fps(60Hz/50Hz)   |
| Min. Illumination           | Color: 0.05lux(F1.6,30 IRE)<br>BW: 0Lux(IR LED on)   |
| Lens                        |  |
| Focal Length (Zoom Ratio)   | 3.2~10mm(3.1x) motorized varifocal   |
| Max. 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)   |
| Min. Object Distance        | 0.5m(1.64ft)   |
| Focus Control               | Simple focus   |
| Lens Type                   | DC auto iris   |
| Pan / Tilt / Rotate         |  |
| Pan / Tilt / Rotate Range   | Remote adjustment (Max. 200cycles)<br>0~360- / 30~80- / 0~90-  |
| Operational                 |  |
| Camera Title                | Displayed up to 85 characters  |
| Day & Night                 | Auto(ICR)  |
| Backlight Compensation      | BLC, HLC, WDR, SSDR  |
| Wide Dynamic Range          | 120dB  |
| Digital Noise Reduction     | SSNR V   |
| Digital Image Stabilization | Support  |
| Defog                       | Support  |
| Motion Detection            | 8ea, 8point polygonal zones  |
| Privacy Masking             | 32ea, 4point polygonal zones<br>- Color: Grey, Green, Red, Blue, Black, White<br>- 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   |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com).

Hanwha Vision is formerly known as Hanwha Techwin.

|                    |   |
|--------------------|---|
| Alarm Triggers     | Analytics, Network disconnect, Alarm input  |
| Alarm Events       | File upload via FTP and e-mail<br>Notification via e-mail<br>SD/SDHC/SDXC at event triggers<br>Alarm output<br>Handover |
| Audio In           | Selectable(mic in/line in)<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm                                      |
| Audio Out          | Line out, Max.output level: 1Vrms   |
| IR Viewable Length | 30m(98.43ft)  |

## 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<br>G.726(ADPCM) 8KHz, G.711 8KHz<br>G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps<br>AAC-LC: 48Kbps at 16KHz   |
| Smart Codec                       | Manual(5ea area), WiseStream II   |
| Bitrate Control                   | H.264/H.265: CBR or VBR<br>MJPEG: VBR   |
| Streaming                         | Unicast(20 users) / Multicast<br>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<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP)                                     |
| Application Programming Interface | ONVIF Profile S/T<br>SUNAPI(HTTP API)<br>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 4slot 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                    | HPoE(IEEE802.3bt, Class6, Type3), 12VDC                          |
| Power Consumption                | PoE: Max. 42 W, Typical 30 W<br>12VDC: Max. 38 W, Typical 28.2 W |

## Mechanical

|                                   |  |
|-----------------------------------|--|
| Color / Material                  | White / Aluminum                             |
| RAL Code                          | RAL9003                                      |
| Product Dimensions / Weight       | Ø315x145.9 mm(12.40"x5.74") / 5.2 kg(11.5lb) |
| Compatible Conduit hole / Gangbox | 3/4"   |
| Hanging Mount (Dome)              | SBP-317HMW                                   |

## DORI (EN62676-4 standard)

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|                           |   |
|---------------------------|---|
| 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)     |

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2MP x 4CH IR PTRZ Multi-directional  
Camera



CAD

Unit:mm [inch]

