



Network

Multi-sensor

## PNM-9000QB

2MP x 4CH Remote Head Camera



### Key Features

- 2MP x 4CH
- HDMI - Single/Quad view support
- WDR 120dB, WiseStreamII
- Defocus detection, directional detection, motion detection etc
- Max 30fps@2MP
- H.265, H.264, MJPEG

### Compatible Accessories (Optional)



SBL-100D

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## Specifications

### Video

<b>Resolution</b>	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
<b>Max. Framerate</b>	H.265/H.264: 2MP Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
<b>Video Out</b>	HDMI(1920x1080, Single/Quad view)

### Lens

<b>Optional Lens</b>	SLA-T1080FA, SLA-T2480A, SLA-T2480VA, SLA-T4680A, SLA-T4680VA
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### Operational

<b>Camera Title</b>	Displayed up to 85 characters
<b>Day &amp; Night</b>	Auto(Electrical)
<b>Backlight Compensation</b>	BLC, HLC, WDR, SDR
<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, 4point quadrangle 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, Motion detection, Enter/Exit, Tampering, Virtual line
<b>Alarm I/O</b>	Input 2ea / Output 2ea
<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
<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>	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 Selectable 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 12 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)

## 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 2slot 1TB(512GB X 2)
<b>Memory</b>	4GB RAM, 512MB Flash

## Environmental & Electrical

<b>Operating Temperature / Humidity</b>	-10°C ~ +45°C(-40°F ~ +113°F) / Less than 95% RH(Non condensing)
<b>Storage Temperature / Humidity</b>	-50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH
<b>Input Voltage</b>	PoE+(IEEE802.3at, Class4), 12VDC
<b>Power Consumption</b>	PoE : Max 22.00W, Typical 16.70W DC : Max 19.00W, Typical : 14.00W

## Mechanical

<b>Color / Material</b>	White / Plastic
<b>RAL Code</b>	RAL9003
<b>Product Dimensions / Weight</b>	200(W)x37(H)x146(D)mm / 715g

Compatible lenses



Video	SLA-T1080FA	SLA-T2480VA	SLA-T2480A	SLA-T4680VA	SLA-T4680A
<b>Imaging Device</b>	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
<b>Min. Illumination</b>	Color: 0.03Lux(F1.6, 1/30sec)	Color: 0.045Lux(F2.0, 1/30sec)	Color: 0.045Lux(F2.0, 1/30sec)	Color: 0.06Lux(F2.5, 1/30sec)	Color: 0.06Lux(F2.5, 1/30sec)
Lens	SLA-T1080FA	SLA-T2480VA	SLA-T2480A	SLA-T4680VA	SLA-T4680A
<b>Focal Length (Zoom Ratio)</b>	1.6mm fixed focal	2.4mm fixed focal	2.4mm fixed focal	4.6mm fixed focal	4.6mm fixed focal
<b>Max. Aperture Ratio</b>	F1.6	F2.0	F2.0	F2.5	F2.5
<b>Angular Field of View</b>	H: 187°, V: 113.9°	H: 138°, V: 73°, D: 165°	H: 138°, V: 73°, D: 165°	H: 73°, V: 39°, D: 85°	H: 73°, V: 39°, D: 85°
<b>Mount Type</b>	RJ12 connected with main unit	RJ12 connected with main unit	RJ12 connected with main unit	RJ12 connected with main unit	RJ12 connected with main unit
<b>Focus Control</b>	fixed	fixed	fixed	fixed	fixed
Mechanical	SLA-T1080FA	SLA-T2480VA	SLA-T2480A	SLA-T4680VA	SLA-T4680A
<b>Color / Material</b>	Black / Metal	Black / Plastic, Metal	Black / Plastic	Black / Plastic, Metal	Black / Plastic
<b>Product dimensions / weight</b>	Ø35xL68.9mm, 430g	W30xH27.9xD45mm, 328g	Ø24xL49.8mm, 318g	W30xH27.9xD45mm, 321g	Ø24xL49.8mm, 310g

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**CAD**

Unit: mm [inch]

