Network | Multi-sensor

PNM-9322VQP

2MP/5MP x 5CH Multi-directional Camera

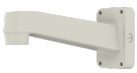
Key Features

- Exchangeable 4ea x 2M / 5M lens modules
- 10M to 22M resolution (depend on the combination of lens modules)
- Max. 60fps@2M, Max. 30fps@5M (H.265 / H.264)
- WDR 150dB with 2M, 120dB with 5M lens module
- 2.4mm, 2.8mm, 3.6mm, 6mm, 12mm fixed lens (2M module)
- 3.7mm, 4.6mm, 7mm fixed lens (5M module)
- H.265, H.264, MJPEG codec,WiseStream II
- IP66, IK10, SD / SDHC / SDXC memory 5 slots
- 4.44~142.6mm(Optical 32x) lens, Day & Night (ICR)
- New install base design

Compatible Accessories (Optional)

SBP-300PM

SBP-300KM



SBP-390WM2

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PNM-9322VQP

2MP/5MP x 5CH Multi-directional Camera

Specifications

Video	
Imaging Device	1~4CH: Optional lens / 5CH: 1/2.8" CMOS
Resolution	[5MP] 2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 320x240 [2MP] 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: 2MP Max. 60fps/50fps(60Hz/50Hz), 5MP Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for installation

Lens	
Focal Length (Zoom Ratio)	1~4CH: Optional lens / 5CH: 4.44~142.6mm(32x) zoom
Max. Aperture Ratio	1~4CH: Optional lens / 5CH: F1.6(Wide)~F4.4(Tele)
Angular Field of View	1~4CH: Optional lens / 5CH: H 61.8°(Wide)~2.19°(Tele), V 36.2°(Wide)~1.24°(Tele)
Min. Object Distance	1~4CH: Optional lens / 5CH: Wide:1.5m, Tele:2m
Focus Control	1~4CH: Optional lens / 5CH: Oneshot AF
Optional Lens	SLA-2M2400P(2MP 2.4mm) SLA-2M2800P(2MP 2.8mm) SLA-2M3600P(2MP 3.6mm) SLA-2M6000P(2MP 6.0mm) SLA-2M1200P(2MP 12mm) SLA-5M3700P(5MP 3.7mm) SLA-5M4600P(5MP 4.6mm) SLA-5M7000P(5MP 7.0mm)

Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	1~4CH: Optional lens / 5CH: 360° Endless / 190- (-5-~185-)
Pan Speed	5CH: Preset:700°/sec, Manual:0.024°/sec~200°/sec
Tilt Speed	5CH: Preset:700°/sec, Manual:0.024°/sec~200°/sec
Sequence	5CH: Preset(300ea), Swing, Group(128ea), Trace(4ea), Tour, Auto run, Schedule
Preset Accuracy	5CH: ±0.2°

Operational	
Camera Title	Displayed up to 85 characters
Day & Night	1~4CH: Auto(Electrical), 5CH: Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	2MP 150dB, 5MP 120dB
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support
Defog	Support
Motion Detection	8ea, 8point polygonal zones

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Privacy Masking	1~4CH: 32ea, 4point quadrangle zones / 5CH: rectangle 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, Face detection, Fog detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line
Alarm I/O	Input 1ea / Output 2ea
Alarm Triggers	Analytics, Network disconnect
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC recording at event triggers Alarm output
Audio In	Selectable(mic in/line in) - PTZ(CH5) only Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms - PTZ(CH5) only

Network

Ethernet	Metal shielded RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
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
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)
Application Programming Interface	ONVIF Profile S/T SUNAPI(HTTP API)

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, NEMA 4X, IK10
Input Voltage	HPoE(IEEE802.3bt, Class 8)
Power Consumption	HPoE: Max 65W, Typical 34W

Mechanical

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Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	Ø367.8x335.7mm(Ø144.8"x132.2") / 7.05kg(15.54lb)

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Compatible lenses

Video	SLA-2M2800P	SLA-2M2400P	SLA-2M3600P	SLA-2M1200P	SLA-5M3700P	SLA-5M4600P	SLA-5M7000P	SLA-2M6000P
Imaging Device	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 2MP CMOS
Resolution								
Effective Pixels	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)	2616(H) x 1976(V)	2616(H) x 1976(V)	2616(H) x 1976(V)	1945(H)x1109(V)
Min. Illumination	Color: 0.055Lux(F2.0, 1/30sec)\nB/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec)\nB/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec)\nB/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec)\nB/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.16Lux(F2.0, 1/30sec)\nB/W: 0.16Lux(F2.0, 1/30sec)	Color: 0.16Lux(F2.0, 1/30sec)\nB/W: 0.16Lux(F2.0, 1/30sec)	Color: 0.16Lux(F2.0, 1/30sec)\nB/W: 0.16Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec)\nB/W: 0.055Lux(F2.0, 1/30sec)
Max. Framerate								
NETD								
Pixel Size								
Video Out								
Video Transmission Distance								

Lens	SLA-2M2800P	SLA-2M2400P	SLA-2M3600P	SLA-2M1200P	SLA-5M3700P	SLA-5M4600P	SLA-5M7000P	SLA-2M6000P
Focal Length (Zoom Ratio)	2.8mm fixed focal	2.4mm fixed focal	3.6mm fixed focal	12.0mm fixed focal	3.7mm fixed focal	4.6mm fixed focal	7.0mm fixed focal	6.0mm fixed focal
Max. Aperture Ratio	F2.0	F2.0	F2.0	F2.0	F1.6	F1.6	F1.6	F2.0
Angular Field of View	H:107.4°, V:62.2°, D:122.0°	H:135.4°, V:71.2°, D:161.6°	H:94.8°, V:49.3°, D:114.3°	H: 26.3° V: 14.9° D: 30.0°	H: 97.5-, V: 71.9-, D: 126.2-	H: 77.9-, V: 57.9-, D: 98.7-	H: 50.7-, V: 37.8-, D: 63.8-	H:50.4°, V:28.8°, D:58.1°
Lens Type								
Mount Type								
Focus Control	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Min. Object Distance								
Optional Lens								

Pan / Tilt / Rotate	SLA-2M2800P	SLA-2M2400P	SLA-2M3600P	SLA-2M1200P	SLA-5M3700P	SLA-5M4600P	SLA-5M7000P	SLA-2M6000P
Pan / Tilt / Rotate Range	-90°~+90° / +26~+80° / -180°~+180°	-90°~+90° / +52~+56° / -180°~+180°	-90°~+90° / +22~+84° / -180°~+180°	-90°~+90° / +10~+97° / -180°~+180°	-90-~+90- / +36-~+73- / -180-~+180-	-90-~+90- / +21-~+85- / -180-~+180-	-90-~+90- / +12-~+93- / -180-~+180-	-90°~+90° / +10~+95° / -180°~+180°
Pan Range								
Pan Speed								
Tilt Range								
Tilt Speed								
Rotate Range								
Sequence								
Preset Accuracy								

Operational	SLA-2M2800P	SLA-2M2400P	SLA-2M3600P	SLA-2M1200P	SLA-5M3700P	SLA-5M4600P	SLA-5M7000P	SLA-2M6000P
Camera Title								
Direction Indicator								
Day & Night								
Backlight Compensation								
Wide Dynamic Range								
Digital Noise Reduction								
Digital Image Stabilization								
Defog								
Motion Detection								
Privacy Masking								
Gain Control								
White Balance								
LDC								
Electronic Shutter Speed								
Digital PTZ								
Video Rotation								
Analytics								
Business Intelligence								
Serial Interface								
Alarm I/O								
Alarm Triggers								
Alarm Events								
Audio Streaming								
Audio In								
Audio Out								
IR Viewable Length								
IR Illuminator (Optional)								
IR Radiation angle								
IR LED								
IR Wavelength								
IR Operation								
Water Removal								

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Auto Tracking	
Coaxial Protocol	
Color Palettes	

Mechanical	SLA-2M2800PSLA-2M2400PSLA-2M3600PSLA-2M1200PSLA-5M3700PSLA-5M4600PSLA-5M7000PSLA-2M6000P							
Color / Material								
Product dimensions / weight	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g
RAL Code								
Product Dimensions / Weight								
Compatible Conduit hole / Gangbox								
Hanging Mount (Dome)								
Skin Cover								
Skin Cover (Dome)								
Weather Cap (Dome)								
Power Module								
Backbox								

Radiometry	SLA-2M2800PSLA-2M2400PSLA-2M3600PSLA-2M1200PSLA-5M3700PSLA-5M4600PSLA-5M7000PSLA-2M6000P
Temperature Detect Range	
Temperature Accuracy	
Temperature Detection	
Additional	

Network	SLA-2M2800PSLA-2M2400PSLA-2M3600PSLA-2M1200PSLA-5M3700PSLA-5M4600PSLA-5M7000PSLA-2M6000P
Ethernet	
Video Compression	
Audio Compression	
Smart Codec	
Video Quality Adjustment	
Bitrate Control	
Streaming	
Protocol	
SIP support (VoIP, Peer-to-peer, SIP/PBX integration)	
Security	
Application Programming Interface	

General	SLA-2M2800PSLA-2M2400PSLA-2M3600PSLA-2M1200PSLA-5M3700PSLA-5M4600PSLA-5M7000PSLA-2M6000P
Webpage Language	
Web Viewer	
Edge Storage	
Memory	

Environmental & Electrical	SLA-2M2800PSLA-2M2400PSLA-2M3600PSLA-2M1200PSLA-5M3700PSLA-5M4600PSLA-5M7000PSLA-2M6000P
Operating Temperature / Humidity	
Storage Temperature / Humidity	
Certification	
Input Voltage	
Power Consumption	

Certifications & Standards	SLA-2M2800PSLA-2M2400PSLA-2M3600PSLA-2M1200PSLA-5M3700PSLA-5M4600PSLA-5M7000PSLA-2M6000P
Network	
EMC	
Safety	
Environment	
Video	

DORI (EN62676-4 standard)	SLA-2M2800PSLA-2M2400PSLA-2M3600PSLA-2M1200PSLA-5M3700PSLA-5M4600PSLA-5M7000PSLA-2M6000P
Detect (25PPM/ 8PPF)	
Observe (63PPM/ 19PPF)	
Recognize (125PPM/ 38PPF)	
Identify (250PPM/ 76PPF)	

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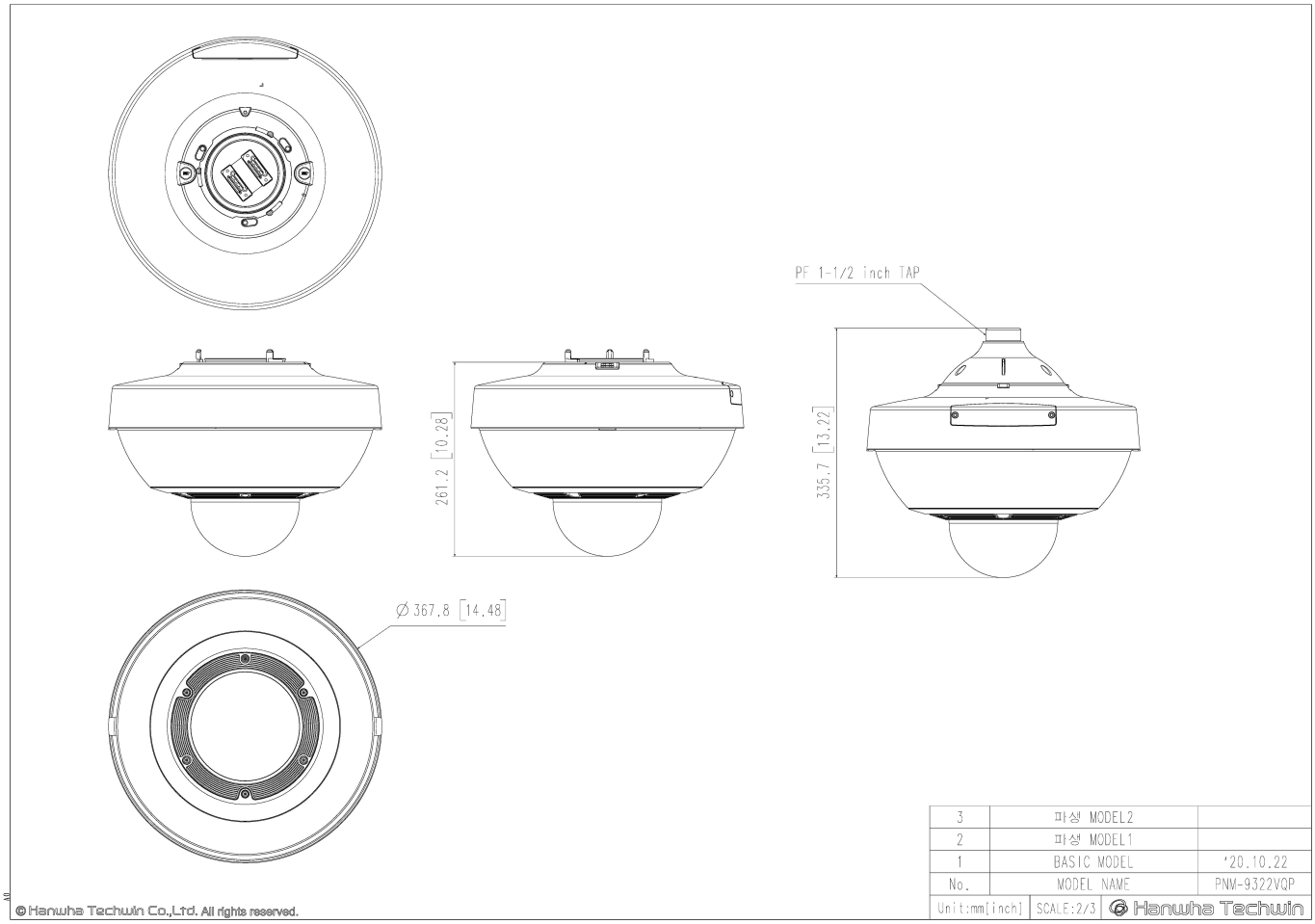
2MP/5MP x 5CH Multi-directional Camera

CAD

Unit:mm [inch]



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