

PNM-9322VQP

10M to 22M Multi-directional + PTZ NW Camera



Key Features

- Exchangeable 4ea x 2M / 5M lens modules
- 8M to 20M 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 lenses



SLA-5M7000P



SLA-5M4600P



SLA-5M3700P



SLA-2M1200P



SLA-2M6000P



SLA-2M3600P



SLA-2M2800P



SLA-2M2400P

Compatible Accessories(Optional)



SBP-390WM2



SBP-300KM



SBP-300PM

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
Privacy Masking	1~4CH: 32ea, polygonal 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, IK10
Input Voltage	HPoE (IEEE802.3bt, Class 8)
Power Consumption	HPoE: Max 65W, Typical 34W

Mechanical

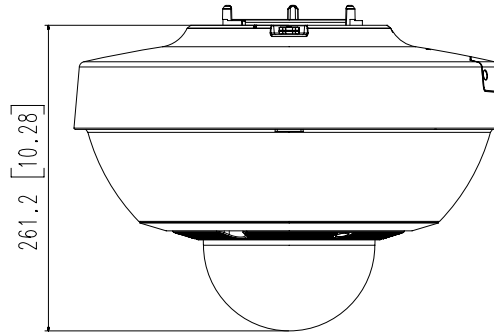
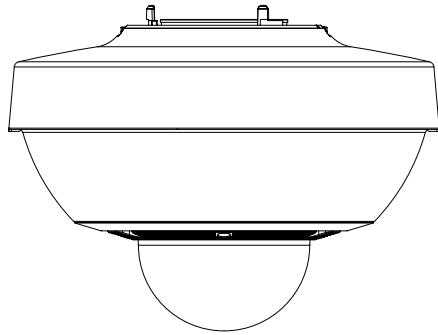
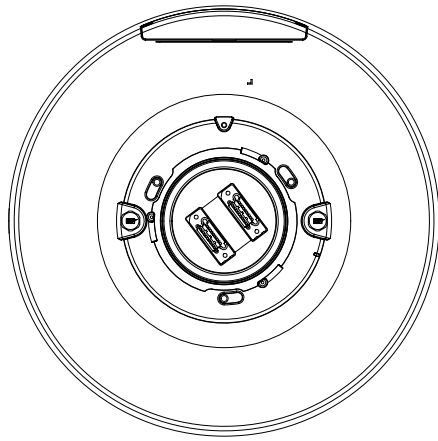
Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	Ø367.8x335.7mm (Ø144.8"x132.2") / 7.05kg (15.54lb)

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

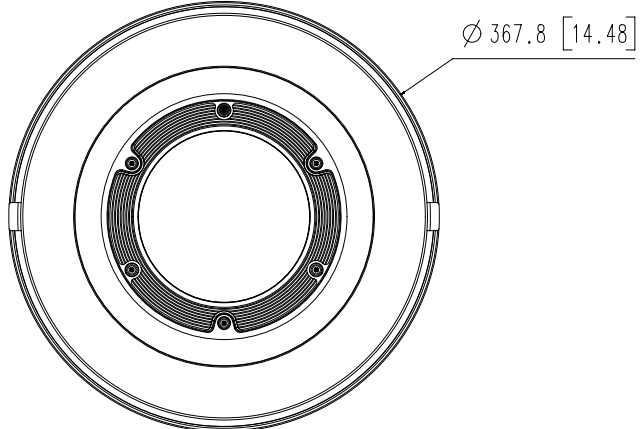
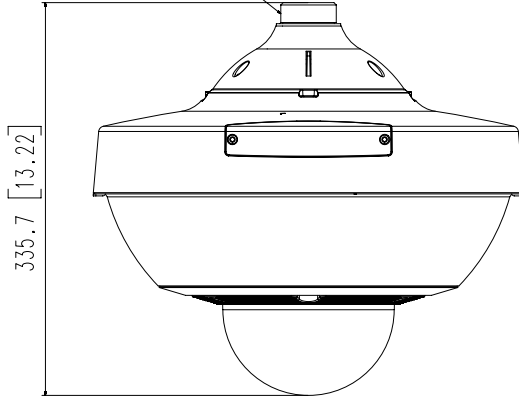
Compatible lenses

Video	SLA-2M1200P	SLA-2M6000P	SLA-2M3600P	SLA-2M2800P	SLA-2M2400P
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" 2MP CMOS
Effective Pixels	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)
Min. Illumination	Color: 0.055Lux(F2.0, 1/30sec) B/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec) B/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec) B/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec) B/W: 0.055Lux(F2.0, 1/30sec)	Color: 0.055Lux(F2.0, 1/30sec) B/W: 0.055Lux(F2.0, 1/30sec)
Lens					
Focal Length (Zoom Ratio)	12.0mm fixed focal	6.0mm fixed focal	3.6mm fixed focal	2.8mm fixed focal	2.4mm fixed focal
Max. Aperture Ratio	F2.0	F2.0	F2.0	F2.0	F2.0
Angular Field of View	H: 26.3 ° V: 14.9 ° D: 30.0 °	H:50.4 °, V:28.8 °, D:58.1 °	H:94.8 °, V:49.3 °, D:114.3 °	H:107.4 °, V:62.2 °, D:122.0 °	H:135.4 °, V:71.2 °, D:161.6 °
Focus Control	Fixed	Fixed	Fixed	Fixed	Fixed
Pan / Tilt / Rotate					
Pan / Tilt / Rotate Range	-90 ° ~+90 ° / +10~+97 ° / - 180 ° ~+180 °	-90 ° ~+90 ° / +10~+95 ° / - 180 ° ~+180 °	-90 ° ~+90 ° / +22~+84 ° / - 180 ° ~+180 °	-90 ° ~+90 ° / +26~+80 ° / - 180 ° ~+180 °	-90 ° ~+90 ° / +52~+56 ° / - 180 ° ~+180 °
Mechanical					
Color / Material	Black / Plastic	Black / Plastic	Black / Plastic	Black / Plastic	Black / Plastic
Product dimensions / weight	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g	Ø35.5x35.9mm, 30g

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PF 1-1/2 inch TAP



3	파생 MODEL2	
2	파생 MODEL1	
1	BASIC MODEL	'20.10.22
No.	MODEL NAME	PNM-9322VQP
Unit:mm[inch]		SCALE:2/3
Hanwha Techwin		