

# 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, SSSDR
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
<b>Network</b>	
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)
<b>General</b>	
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
<b>Environmental &amp; Electrical</b>	
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

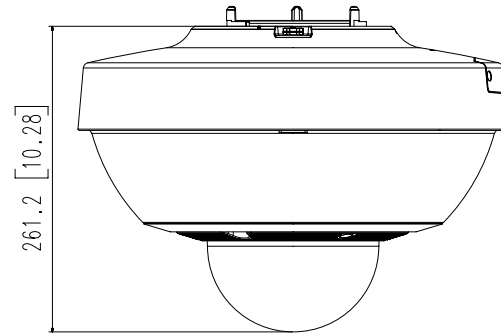
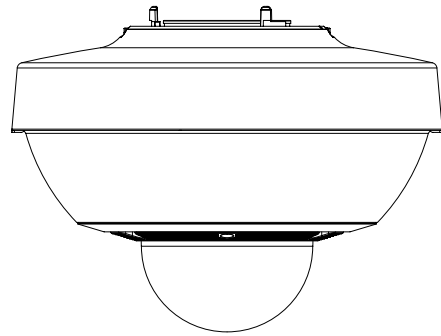
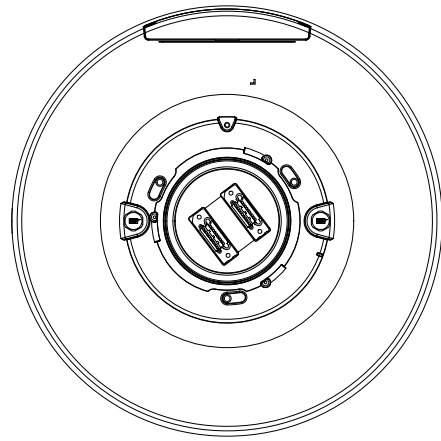
Color / Material	White / Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	∅367.8x335.7mm (∅144.8"x132.2") / 7.05kg (15.54lb)

- The latest product information / specification can be found at [hanwha-security.com](http://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.

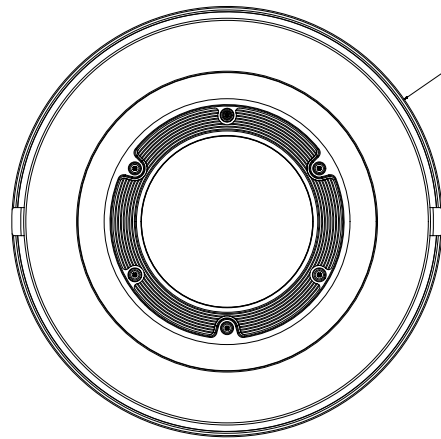
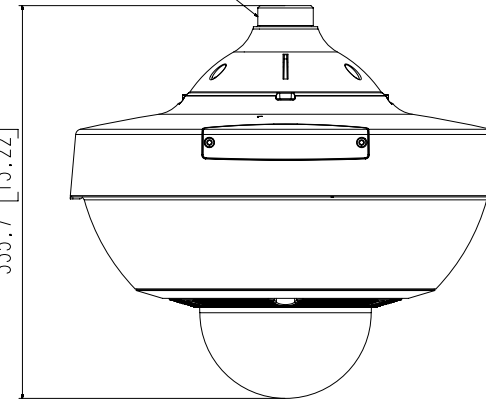
**Compatible lenses**

Video	SLA-2M1200P	SLA-2M6000P	SLA-2M3600P	SLA-2M2800P	SLA-2M2400P
<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>Effective Pixels</b>	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)	1945(H)x1109(V)
<b>Min. Illumination</b>	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)
<b>Lens</b>					
<b>Focal Length (Zoom Ratio)</b>	12.0mm fixed focal	6.0mm fixed focal	3.6mm fixed focal	2.8mm fixed focal	2.4mm fixed focal
<b>Max. Aperture Ratio</b>	F2.0	F2.0	F2.0	F2.0	F2.0
<b>Angular Field of View</b>	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 °
<b>Focus Control</b>	Fixed	Fixed	Fixed	Fixed	Fixed
<b>Pan / Tilt / Rotate</b>					
<b>Pan / Tilt / Rotate Range</b>	-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 °
<b>Mechanical</b>					
<b>Color / Material</b>	Black / Plastic	Black / Plastic	Black / Plastic	Black / Plastic	Black / Plastic
<b>Product dimensions / weight</b>	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



Ø 367.8 [14.48]

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		