



Network

Multi-sensor

## PNM-9322VQP

10M to 22M Multi-directional + PTZ 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-390WM2



SBP-300KM



SBP-300PM

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## Specifications

### Video

<b>Imaging Device</b>	1~4CH: Optional lens / 5CH: 1/2.8" CMOS
<b>Resolution</b>	[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
<b>Max. Framerate</b>	H.265/H.264: 2MP Max. 60fps/50fps(60Hz/50Hz), 5MP Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
<b>Video Out</b>	CVBS : 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for installation

### Lens

<b>Focal Length (Zoom Ratio)</b>	1~4CH: Optional lens / 5CH: 4.44~142.6mm(32x) zoom
<b>Max. Aperture Ratio</b>	1~4CH: Optional lens / 5CH: F1.6(Wide)~F4.4(Tele)
<b>Angular Field of View</b>	1~4CH: Optional lens / 5CH: H 61.8°(Wide)~2.19°(Tele), V 36.2°(Wide)~1.24°(Tele)
<b>Min. Object Distance</b>	1~4CH: Optional lens / 5CH: Wide:1.5m, Tele:2m
<b>Focus Control</b>	1~4CH: Optional lens / 5CH: Oneshot AF
<b>Optional Lens</b>	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

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

### Operational

<b>Camera Title</b>	Displayed up to 85 characters
<b>Day &amp; Night</b>	1~4CH: Auto(Electrical), 5CH: Auto(ICR)
<b>Backlight Compensation</b>	BLC, HLC, WDR, SSSR
<b>Wide Dynamic Range</b>	2MP 150dB, 5MP 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>	1~4CH: 32ea, 4point quadrangle zones / 5CH: rectangle 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, Hallway view(90/270)
<b>Analytics</b>	Defocus detection, Directional detection, Face detection, Fog detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line
<b>Alarm I/O</b>	Input 1ea / Output 2ea
<b>Alarm Triggers</b>	Analytics, Network disconnect
<b>Alarm Events</b>	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC recording at event triggers Alarm output
<b>Audio In</b>	Selectable(mic in/line in) - PTZ(CH5) only Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
<b>Audio Out</b>	Line out, Max.output level: 1Vrms - PTZ(CH5) only

## Network

<b>Ethernet</b>	Metal shielded RJ-45(10/100BASE-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 10 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)
<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 4slot 256GB(Each CH)
<b>Memory</b>	5GB RAM, 1280MB Flash

## Environmental & Electrical

<b>Operating Temperature / Humidity</b>	-40°C~+55°C(-40°F ~ +131°F) / Less than 90% RH
<b>Storage Temperature / Humidity</b>	-50°C +60°C(-58°F ~ +140°F) / Less than 90% RH
<b>Certification</b>	IP66, NEMA 4X, IK10
<b>Input Voltage</b>	HPoE(IEEE802.3bt, Class 8)
<b>Power Consumption</b>	HPoE: Max 65W, Typical 34W

## Mechanical

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

Compatible lenses



Video	SLA-5M7000P	SLA-5M4600P	SLA-5M3700P	SLA-2M1200P	SLA-2M6000P	SLA-2M3600P	SLA-2M2800P	SLA-2M2400P
<b>Imaging Device</b>	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	1/2.8" 5MP CMOS	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>	2616(H) x 1976(V)	2616(H) x 1976(V)	2616(H) x 1976(V)	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: 0.16Lux(F2.0, 1/30sec) B/W: 0.16Lux(F2.0, 1/30sec)	Color: 0.16Lux(F2.0, 1/30sec) B/W: 0.16Lux(F2.0, 1/30sec)	Color: 0.16Lux(F2.0, 1/30sec) B/W: 0.16Lux(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)	Color: 0.055Lux(F2.0, 1/30sec) B/W: 0.055Lux(F2.0, 1/30sec)
<b>Lens</b>								
<b>Focal Length (Zoom Ratio)</b>	7.0mm fixed focal	4.6mm fixed focal	3.7mm fixed focal	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>	F1.6	F1.6	F1.6	F2.0	F2.0	F2.0	F2.0	F2.0
<b>Angular Field of View</b>	H: 50.7, V: 37.8, D: 63.8	H: 77.9, V: 57.9, D: 98.7	H: 97.5, V: 71.9, D: 126.2	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	Fixed	Fixed	Fixed
<b>Pan / Tilt / Rotate</b>								
<b>Pan / Tilt / Rotate Range</b>	-90~+90 / +12~+93 / -180~+180	-90~+90 / +21~+85 / -180~+180	-90~+90 / +36~+73 / -180~+180	-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	Black / Plastic	Black / Plastic	Black / Plastic
<b>Product dimensions / weight</b>	Ø35.5x35.9m m, 30g	Ø35.5x35.9m m, 30g	Ø35.5x35.9m m, 30g	Ø35.5x35.9m m, 30g	Ø35.5x35.9m m, 30g	Ø35.5x35.9m m, 30g	Ø35.5x35.9m m, 30g	Ø35.5x35.9m m, 30g

- 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.

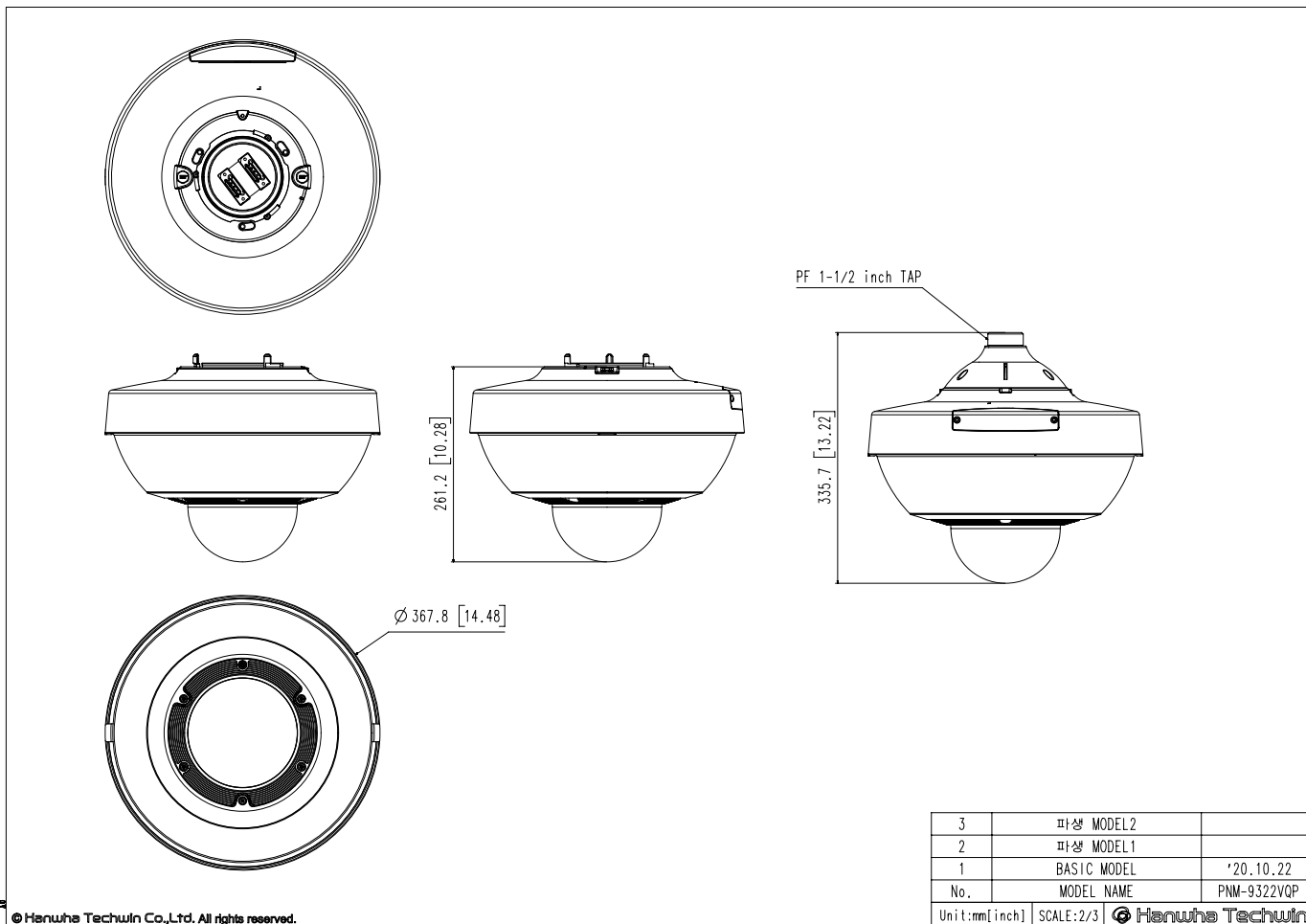
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CAD

Unit: mm [inch]



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