

PNM-9000VD

10MP Multi-directional Network Camera

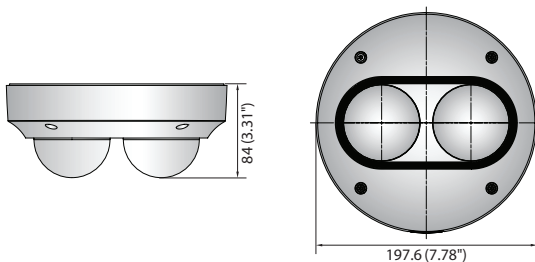


Key Features

- Exchangeable 2 x 5MP lens modules (2 x 5MP resolution)
- 3.7mm, 4.6mm, 7mm fixed lens (5MP module)
- Max. 30fps@all resolution (H.265 / H.264)
- H.265, H.264, MJPEG codec, Multi streaming support
- Intelligent video analytics, WiseStream II
- Micro SD / SDHC / SDXC memory 2 slots
- IP66, IK10, PoE

Dimensions

Unit: mm (inch)



Accessories (Optional)



PNM-9000VD

VIDEO	
Imaging Device	(See the optional lens)
Effective Pixels	(See the optional lens)
Min. Illumination	(See the optional lens)
Video Out	CVBS : 1.0Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P) for installation
OPERATIONAL	
Camera Title	Displayed up to 85 characters
Backlight Compensation	BLC, HLC, WDR, SSSDR
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, polygonal 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)
Digital PTZ	Support
Video Rotation	Flip, Mirror, Hallway view (90°/270°)
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line
Alarm Triggers	Analytics, Network disconnect
Alarm events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265/H.264 : Main / Baseline / High, MJPEG
Resolution	2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 320x240
Max. Framerate	H.265/H.264 : Max. 30fps/25fps (60Hz/50Hz) MJPEG : Max. 30fps/25fps (60Hz/50Hz)
Smart Codec	Manual (5ea area), WiseStreamII
Video Quality Adjustment	H.264/H.265 : Target bitrate level control MJPEG : Target bitrate level control
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), RTCPRTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	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)
Edge Storage	Micro SD/SDHC/SDXC 2slot 256GB (Each CH)
Application Programming Interface	ONVIF Profile S/G SUNAPI (HTTP API) Wisenet open platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek

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Web Viewer	Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser : Google Chrome Supported Browser : MS Explorer11, MS Edge, Mozilla Firefox (Windows 64bit only), Apple Safari (Mac OS X only)
ENVIRONMENTAL	
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
ELECTRICAL	
Input Voltage	PoE (IEEE802.3af, Class3)
Power Consumption	PoE : 12.95W, typical 12.00W
MECHANICAL	
Color / Material	White / Aluminum
RAL Code	RAL9003
Product dimensions / weight	Ø197.6 x 84mm (7.78x3.31"), 1250g (2.76 lb)
Conduit hole	1/2"
Optional Lens	SLA-5M3700D, SLA-5M4600D, SLA-5M7000D
Hanging mount(Dome)	SBP-201HMW

* 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**.

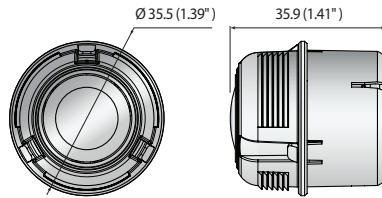
SLA-5M3700D/5M4600D/5M7000D

Exchangeable 5MP lenses for PNM-9000VD



Dimensions

Unit : mm (inch)



Key Features

- 0.16Lux@Color, B/W
- WDR 120dB, Day&Night (Electrical)
- Selectable lens options
- 3.7 / 4.6 / 7.0mm fixed lens

	SLA-5M3700D	SLA-5M4600D	SLA-5M7000D
VIDEO			
Imaging Device	1/1.8" 5MP CMOS	1/1.8" 5MP CMOS	1/1.8" 5MP CMOS
Effective Pixels	2616(H) x 1976(V)	2616(H) x 1976(V)	2616(H)x1976(V)
Min. Illumination	Color : 0.16Lux (F1.6, 1/30sec, 30IRE) B/W : 0.16Lux (F1.6, 1/30sec, 30IRE)"	Color : 0.16Lux (F1.6, 1/30sec, 30IRE) B/W : 0.16Lux (F1.6, 1/30sec, 30IRE)	Color : 0.16Lux (F1.6, 1/30sec, 30IRE) B/W : 0.16Lux (F1.6, 1/30sec, 30IRE)
LENS			
Focal Length (Zoom Ratio)	3.7mm fixed focal	4.6mm fixed focal	7.0mm fixed focal
Max. Aperture Ratio	F1.6	F1.6	F1.6
Angular Field of View	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°
Lens Type	Fixed focal	Fixed focal	Fixed focal
PAN / TILT / ROTATE			
Pan / Tilt / Rotate Range	-90°~+90° / +36~+73° / -180°~+180°	-90°~+90° / +36~+73° / -180°~+180°	-90°~+90° / +36~+73° / -180°~+180°
OPERATIONAL			
Wide Dynamic Range	120dB	120dB	120dB
Day & Night	Auto (Electrical)	Auto (Electrical)	Auto (Electrical)
MECHANICAL			
Color / Material	Black / Plastic	Black / Plastic	Black / Plastic
Product dimensions / weight	Ø35.5 x 35.9mm (1.40 x 1.41") / 35g (0.08 lb)	Ø35.5 x 35.9mm (1.40 x 1.41") / 35g (0.08 lb)	Ø35.5 x 35.9mm (1.40 x 1.41") / 35g (0.08 lb)