



Network

PNM-9002VQ

2MP/5MP x 4CH Multi-directional Camera



Key Features

- Exchangeable 4ea x 2MP / 5MP lens modules
- 8MP to 20MP resolution (depend on the combination of lens modules)
- Max. 60fps@2MP (H.265 / H.264)
- WDR 150dB (2MP), 120dB (5MP)
- 2.4mm, 2.8mm, 3.6mm, 6mm fixed lens (2MP module)
- 3.7mm, 4.6mm, 7mm fixed lens (5MP module)
- H.265, H.264, MJPEG codec, Multi streaming support
- Video analytics, WiseStream II
- IP66, IK10
- PoE+

Compatible Devices



SBP-300LMW



SBP-300KMW



SBP-300BW



SBP-300PMW



SBP-300WMW



SBP-276HMW



SBP-300NBW



SBP-300WMW1



SBP-390WMW2



SBP-300CMW



SHD-3000F5

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Specifications

Video		
Resolution		1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	60fps/50fps(60Hz/50Hz)
	MJPEG	30fps
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation
Lens		
Optional Lens		SLA-2M2400Q, SLA-2M2800Q, SLA-2M3600Q, SLA-2M6000Q, SLA-5M3700Q, SLA-5M4600Q, SLA-5M7000Q
Operational		
Day & Night		Auto(Electrical)
Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		150
Digital Noise Reduction		SSNR V
Digital Image Stabilization		Support
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	Polygonal zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
Gain Control		Low, Middle, High
White Balance		ATW, AWC, Manual, Indoor, Outdoor
LDC		Support
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Video Rotation		Flip, Mirror, Hallway view(90°/270°)
Alarm Triggers		Analytics, Network disconnect

Operational

Alarm Events When Alarm Trigger Occurred	File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers
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Analytics

Analytics Events	Normal	Defocus detection, Motion detection, Tampering, Fog detection, Face detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction)
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Network

Ethernet	Metal shielded RJ-45(10/100BASE-T)	
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG	
Smart Codec	Manual, WiseStream II	
Bitrate Control	H.265/H.264: CBR or VBR, MJPEG: VBR	
Streaming	Unicast	Up to 20 users
	Multicast	Support
	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, UPnP, Bonjour, LLDP, PIM-SM	
Application Programming Interface	ONVIF	S, T
	Others	SUNAPI(HTTP API)
Direct Cloud Connection	Optional (needs gateway)	

Security

User authentication	Digest authentication	
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP)	
Secure Communication	HTTPS	
Access Control	IP-based access control	
Data Protect	Encryption credentials, Encrypt compress for live recording file export	
Audit	Access / System / Event Log management	
Device ID	Device certificate(Hanwha Vision Root CA)	
Secure Storage	SDcard partition encrypt(AES-256)	

General

Memory	RAM	3GB
	Flash	768MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 4slot(Total 1TB)

Environmental & Electrical

Operating Condition	Temperature	-40°C~+55°C(-40°F~+131°F)
	Humidity	0~90% RH(non-condensing)

Environmental & Electrical

Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
EPA(Effective Projected Area)		No
Input Voltage		PoE+(IEEE802.3at, Class4)
Power Consumption	PoE	Max. 25.5W

Mechanical

Color	White
Material	Aluminum
RAL Code	RAL9003
Product Dimensions	ø253x130mm(9.96x5.12")
Product Weight	3,000g(6.61lb)
Compatible Conduit Hole	19.1mm(3/4")(M25)
Compatible Gang Box	Single, Double, 4" Octagon, Square

Certifications & Standards

Environment	IEC 60529 IP66, IEC 62262 IK10
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Camera



CAD

Unit: mm [inch]

