



Network

PNM-9000QB

2MP x 4CH Remote Head Camera



Key Features

- 2MP x 4CH
- HDMI - Single/Quad view support
- WDR 120dB, WiseStreamII
- Defocus detection, directional detection, motion detection etc
- Max 30fps@2MP
- H.265, H.264, MJPEG

Compatible Devices



SBL-100D

PNM-9000QB

2MP x 4CH Remote Head Camera



Specifications

Video		
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240	
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps
Video Out	HDMI(Single/Quad view)	
Lens		
Optional Lens	SLA-T1080FA, SLA-T2480A, SLA-T2480VA, SLA-T4680A, SLA-T4680VA, SLA-T4680DA, SLA-T4680DSA, SLA-T2480WDA, SLA-T2480WA, SLA-T2880BA	
Operational		
Day & Night	Auto(Electrical)	
Backlight Compensation	BLC, HLC, WDR, SDR	
Wide Dynamic Range (dB)	120	
Digital Noise Reduction	SSNR V	
Digital Image Stabilization	Support	
Defog	Support	
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	4point Quadrangle zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
Gain Control	Off, Max gain, Manual	
White Balance	ATW, NarrowATW, AWC, Manual, Indoor, Outdoor	
LDC	Support	
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Video Rotation	Flip, Mirror	
Alarm Interface	In/Out	Input 2ea, Output 2ea
Alarm Triggers	Analytics, Network disconnect, Alarm input	

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, Alarm output
Audio In	Selectable(mic in/line in)
Audio Out	Line out

Analytics

Analytics Events	Normal	Defocus detection, Motion detection, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing, Direction)
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Network

Ethernet	Metal shielded RJ-45(10/100/1000BASE-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, 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 12 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	
Application Programming Interface	ONVIF	S, T
	Others	SUNAPI(HTTP API)
Direct Cloud Connection	Optional (needs gateway)	

Security

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware	
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)	

General

Memory	RAM	4GB
	Flash	512MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 512GB x 2slot(Total 1TB)

Environmental & Electrical

Operating Condition	Temperature	-10°C~+45°C(+14°F~+113°F)
	Humidity	0~95% RH(non-condensing)
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE+(IEEE802.3at, Class4), 12VDC
Power Consumption	PoE	Max. 22W, typical 16.7W
	12VDC	Max. 19W, typical 14W

Mechanical

Color	White
Material	Plastic
RAL Code	RAL9003
Product Dimensions	200(W)x37(H)x146(D)mm(7.87x1.46x5.75")
Product Weight	715g(1.58lb)

Compatible lenses



Video		SLA-T2480A	SLA-T4680A	SLA-T2480VA
Imaging Device	Size	1/2.8"	1/2.8"	1/2.8"
	Type	CMOS	CMOS	CMOS
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.045	0.06	0.045
	BW(1/30sec, 30IRE)	0.045	0.06	0.045

Lens

Focal Length (mm)		2.4	4.6	2.4
Max. Aperture Ratio (F number)	Wide	2.0	2.5	2.0
Angular Field of View	Horizontal	138°	73°	138°
	Vertical	73°	39°	73°
	Diagonal	165°	85°	165°
Mount Type		RJ12 connected with main unit	RJ12 connected with main unit	RJ12 connected with main unit
Focus Control		Fixed	Fixed	Fixed

Mechanical

Color	Black	Black	Black
Material	Plastic	Plastic	Metal, Plastic
Product Dimensions	Ø24xL49.8mm	Ø24xL49.8mm	W30xH27.9xD45mm
Product Weight	318g	310g	328g

PNM-9000QB

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CAD

Unit: mm [inch]

This parts should not contain any substances which are specified in RoHS-0018

NO	PART NAME	CODE NO.	MATERIAL	QTY	REMARK
1	ASSEMBLY-PNM-9000QB	014025	Check note	1	-

1	PNM-9000QB	2020.08.26
No.	MODEL NAME	DATE
Unit:mm [inch]	SCALE:1/1	Hanwha Techwin