



Network

PNM-9000QB

2MP x 4CH Remote Head Camera



Key Features

- 2MP Image Resolution
- 4CH Supported Ch
- Dual SD Slots Memory
- PoE+, 12V DC Multiple Power
- Max 30fps@2MP
- Various view mode support: Single, Quad view
- Defocus, Directional, Motion detection

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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	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

General

Edge Storage	Micro SD/SDHC/SDXC	Max. 512GB x 2slot(Total 1TB)
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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-T4680VA	SLA-T2480A	SLA-T4680A	SLA-T2480VA	SLA-T1080FA
Imaging Device	Size	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"
	Type	CMOS	CMOS	CMOS	CMOS	CMOS
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.06	0.045	0.06	0.045	0.03
	BW(1/30sec, 30IRE)	0.06	0.045	0.06	0.045	0.03

Lens

Focal Length (mm)		4.6	2.4	4.6	2.4	1.6
Max. Aperture Ratio (F number)	Wide	2.5	2.0	2.5	2.0	1.6
	Tele	2.5	2.0	2.5		1.6
Angular Field of View	Horizontal	73°	138°	73°	138°	187°
	Vertical	39°	73°	39°	73°	113.9°
	Diagonal	85°	165°	85°	165°	
Mount Type		RJ12 connected with main unit	RJ12 connected with main unit	RJ12 connected with main unit	RJ12 connected with main unit	RJ12 connected with main unit
Focus Control		Fixed	Fixed	Fixed	Fixed	Fixed

Environmental & Electrical

Operating Condition	Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)		-10°C ~ +55°C (+14°F ~ +131°F)
	Humidity	Less than 90% RH	Less than 90% RH	Less than 90% RH		Less than 90% RH
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)	-50°C~+60°C(-58°F~+140°F)	-50°C~+60°C(-58°F~+140°F)		-50°C~+60°C(-58°F~+140°F)
	Humidity	Less than 90% RH	Less than 90% RH	Less than 90% RH		Less than 90% RH

Mechanical

Color	Black	Black	Black	Black	Black
Material	Plastic, Metal	Plastic	Plastic	Plastic, Metal	Metal
Product Dimensions	W30xH27.9xD45 mm	Ø24xL49.8mm	Ø24xL49.8mm	W30xH27.9xD45 mm	Ø35xL68.9mm
Product Weight	321g	318g	310g	328g	430g
Supported Products	XNB-6002, PNM-9000QB, PNM-C20000QB, XNB-A8004B	XNB-6002, PNM-9000QB, PNM-C20000QB, XNB-A8004B	XNB-6002, PNM-9000QB, PNM-C20000QB, XNB-A8004B	XNB-6002, PNM-9000QB, PNM-C20000QB, XNB-A8004B	XNB-6002, PNM-9000QB, PNM-C20000QB, XNB-A8004B

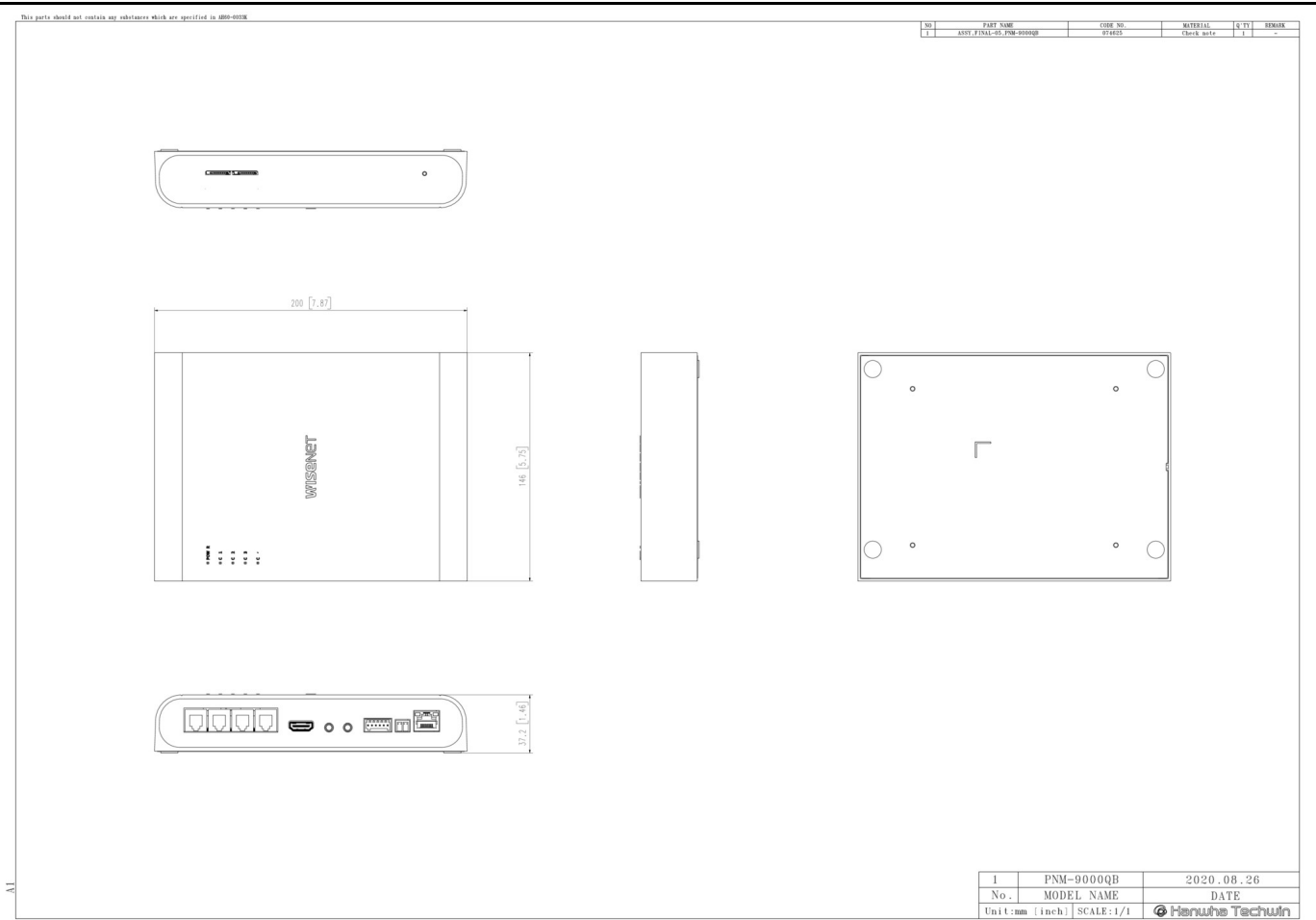
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CAD

Unit: mm [inch]



Compatible Devices



SBL-100D