





### **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

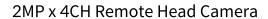
#### **Compatible Devices**



SBL-100D



#### PNM-9000QB





#### **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, SSDR	
Wide Dynamic Range	(dB)	120	
Digital Noise Reduction		SSNRV	
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	

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.



Operational							
Alarm Events When Alarm Trigger Occurred  Audio In  Audio Out		File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output  Selectable(mic in/line in)  Line out					
					Analytics		
					Analytics Events	Normal	Defocus detection, Motion detection, Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing, Direction)
Network							
Ethernet		Metal shielded RJ-45(10/100/1000BASE-T)					
/ideo 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					
-rogramming interrace	Others	SUNAPI(HTTP API)					
Direct Cloud Connection		Optional (needs gateway)					
Security							
OS / Firmware Protect		Encrypted firmware, Secure boot, Signed firmware					
Jser 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					
Wichion y							

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General					
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"
	Туре	CMOS	CMOS	CMOS
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.045	0.06	0.45
	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	Plastic, Metal
Product Dimensions		Ø24xL49.8mm	Ø24xL49.8mm	W30xH27.9xD45mm
Product Weight		318g	310g	328g



#### PNM-9000QB



2MP x 4CH Remote Head Camera

CAD Unit: mm [inch]

