



Network

PNM-C20000QB

5MP / 2MP x 4CH AI remote-head Camera



Key Features

- 5MP or 2MP x 4CH Risoluzione x can
- 4 / 1 Ingresso / uscita audio
- Shock Rilevamento
- HDMI Monitoraggio locale
- Object detection - Person/Face/Vehicle/License plate
- IVA - Virtual line/Area, Enter/Exit, Loitering, Direction, Intrusion
- People & Vehicle counting (based on AI)
- Shock detection with Gyro sensor
- Business intelligence - People/Vehicle counting
- Support 4 audio input / 1 audio output
- WiseStream (Based on AI engine) Secure element - FIPS 140-3 level3, CC EAL6+

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Camera



Specifications

Video		
Risoluzione		2592x1944, 2560x1440, 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240, 320x180
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps
Uscita video		USB: Micro USB Type C, HDMI(Single/Quad view)
Optica		
Optica opzionale		SLA-T1080FA, SLA-T2480A, SLA-T2480VA, SLA-T4680A, SLA-T4680VA, SLA-T2480WDA, SLA-T2480WA, SLA-T2480BA, SLA-T2880BA, SLA-T4680DA, SLA-T4680DSA, SLA-F1080FA, SLA-F2480A, SLA-F2480VA, SLA-F4780A, SLA-F4780VA, SLA-F2480WDA, SLA-F2480WA, SLA-F2480BA, SLA-F2480DA, SLA-F2480DSA, SLA-F2480HA
Efficienza		
Giorno e notte		Auto(Electrical)
Compensazione retroilluminazione		BLC, WDR, SSDR
Wide Dynamic Range (dB)		120
Riduzione digitale del rumore		WiseNR II (Based on AI engine), SSNR V
Stabilizzazione dell'immagine		Support
Defog		Support
Rilevamento movimento	Quantità	8ea
	Forma	8point Polygonal zones
Mascheramento della privacy	Quantità	16ea
	Forma	4point Quadrangle zones
	Colore / Opzione	Gray, Green, Red, Blue, Black, White
Controllo guadagno		Low, Middle, High
Bilanciamento del bianco		ATW, AWC, Manual, Indoor, Outdoor
LDC		Support
Otturatore elettronico	Modalità	Minimum, Maximum, Anti flicker
	Intervallo di velocità	2~1/12,000sec
Rotazione video		Flip, Mirror, Hallway view(90°/270°) - Each channel separately
Interfaccia allarme	Ingresso/Uscita	4 configurable I/O ports

Efficienza

Attivazione allarme	Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription
Eventi di allarme quando si è verificata l'attivazione allarme	File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers, Alarm output, Handover: PTZ preset, send message by HTTP/HTTPS/TCP, Audio clip playback, MQTT: publication
Ingresso audio	4 x Selectable(mic in/line in)
Uscita audio	Line out

Analisi

Tipo di oggetto classificato		Person, Face, Vehicle, License plate
Attributi	Persona	Upper/Lower clothes color
	Veicolo	Type(car, bus, truck, motorcycle, bicycle), Color
Miniatura		BestShot
Eventi analitici	Basato su Motore IA	Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit/Appear/Disappear)
	Normale	Defocus detection, Motion detection, Tampering, Audio detection, Shock detection
Business Intelligence	Basato su Motore IA	People counting, Vehicle counting

Rete

Ethernet		Metal shielded RJ-45(10/100/1000BASE-T)
Compressione video		H.265/H.264: Main/Baseline/High, MJPEG
Compressione audio		G.711(PCM): 8kHz(64kbps), G.726(ADPCM): 8kHz(16/24/32/40kbps), AAC-LC: 16kHz(48kbps)
Codec intelligente		WiseStream(Based on AI engine)
Controllo bitrate		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 20 users
	Multicast	Support
	Streaming multiplo	Up to 4 profiles
Protocollo		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SFTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT, SMTP(StartTLS)
Interfaccia di programmazione dell'applicazione	ONVIF	S, G, T, M
	Altri	SUNAPI(HTTP API), Hanwha Vision Open Platform

Sicurezza

Protezione OS / Firmware	Encrypted firmware, Secure boot, Signed firmware
Autenticazione utente	Digest authentication
Autenticazione di rete	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Comunicazione sicura	HTTPS, WSS(WebSocket Secure), SRTP

Sicurezza

Controllo degli accessi	IP-based access control
Protezione dei dati	Encryption credentials, Encrypt compress for live recording file export
Audit	Access / System / Event Log management
ID dispositivo	Device certificate(Hanwha Vision Root CA)
Archiviazione sicura	SDcard partition encrypt(AES-256), Secure element
Certificato di sicurezza	Secure element(FIPS 140-3 level3, CC EAL6+), ETSI EN 303 645, IEC 62443-4-1

Generale

SoC	Type	NT98690
Memoria	RAM	8GB
	Flash	8GB
Archiviazione Edge	Micro SD/SDHC/SDXC	Max. 1TB x 2slot(Total 2TB)

Ambientale ed elettrico

Condizione operativa	Temperatura	-10°C~+45°C(+14°F~+113°F)
	Umidità	0~95% RH(non-condensing)
Condizioni di conservazione	Temperatura	-50°C~+60°C(-58°F~+140°F)
	Umidità	0~90% RH(non-condensing)
Tensione di ingresso		PoE+(IEEE802.3at, Class4), 12VDC
Consumo energetico	PoE	Max. 25.5W, typical 23.8W
	12 V CC	Max. 23.1W, typical 21.5W

Meccanico

Colore		Black
Materiale		Plastic
Gestione dei materiali	Dichiarazione	RoHS(EU RoHS directive 2011/65/EU and IEC/EN 63000:2018), REACH(Regulation (EC) No. 1907/2006), Conflict mineral policy(Section 1502 of US Dodd Frank Act)
Codice RAL		RAL9005
Dimensioni del prodotto		200(W)x37(H)x146(D)mm(7.87x1.46x5.75")
Peso del prodotto		1,015g(2.24lb)

Certificazioni e standard

EMC	FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3, VCCI CISPR 32 Class A, RCM AS-NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835
Sicurezza	UL 62368-1, CAN/CSA C22.2 NO. 62368-1, IEC 62471
Ambientale	IEC/EN 63000

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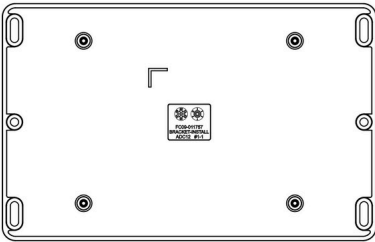
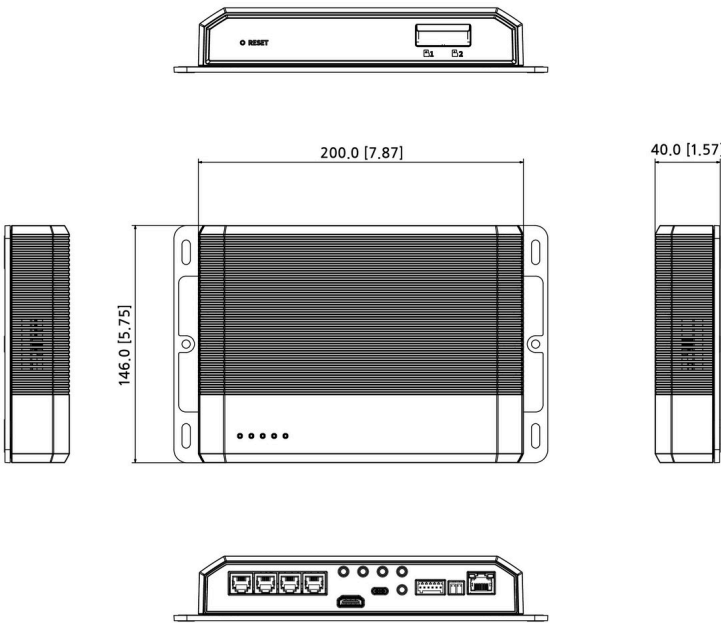
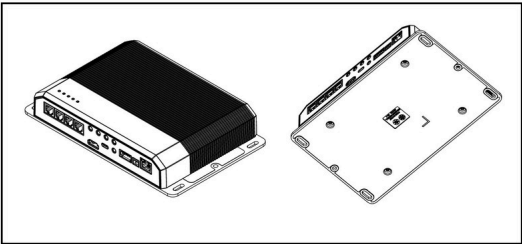


CAD

Unit: mm [inch]

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Reference image



Revision	V1.0
Revision Date	25/04/22
Paper Size	A1
Unit	mm [inch]
Scale	1:1

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