



Network

PNM-C20000QB

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

EAC

UL
LISTED

NDAA

CE

FC

Key Features

- 5MP or 2MP x 4CH Çözünürlük x Kan
- 4 / 1 Ses Girişi / Çıkışı
- Shock Algılama
- HDMI Yerel İzleme
- 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+

PNM-C20000QB

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



Specifications

Video

Çözünürlük	2592x1944, 2560x1440, 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240, 320x180	
En Fazla Kare hızı	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps
Video Çıkışı	USB: Micro USB Type C, HDMI(Single/Quad view)	

Lens

İsteğe Bağlı Lens	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
-------------------	--

İşletimsel

Gündüz ve Gece	Auto(Electrical)	
Arka Işık Dengeleme	BLC, WDR, SSDR	
Geniş Dinamik Aralık (dB)	120	
Dijital Gürültü Azaltma	WiseNR II (Based on AI engine), SSNR V	
Dijital Görüntü Sabitleme	Support	
Sis Giderme	Support	
Hareket Algılama	Miktar	8ea
	Şekil	8point Polygonal zones
Gizlilik Maskesi	Miktar	16ea
	Şekil	4point Quadrangle zones
	Renk / Seçenek	Gray, Green, Red, Blue, Black, White
Kazanç Kontrolü	Low, Middle, High	
Beyaz Dengesi	ATW, AWC, Manual, Indoor, Outdoor	
LDC	Support	
Elektronik Obtüratör	Mod	Minimum, Maximum, Anti flicker
	Hız Aralığı	2~1/12,000sec
Video Döndürme	Flip, Mirror, Hallway view(90°/270°) - Each channel separately	
Alarm Arayüzü	Giriş/Çıkış	4 configurable I/O ports

İşletimsel

Alarm Tetikleyiciler	Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription
Alarm Tetikleyici Gerçekleştiğinde Alarm Olayları	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
Ses Girişi	4 x Selectable(mic in/line in)
Ses Çıkışı	Line out

Analiz Araçları

Sınıflandırılmış Nesne Türü		Person, Face, Vehicle, License plate
Öznitelikler	Kişi	Upper/Lower clothes color
	Araç	Type(car, bus, truck, motorcycle, bicycle), Color
Küçük resim		BestShot
Analiz Araçları Olayları	AI Motoru Bazında	Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit/Appear/Disappear)
	Normal	Defocus detection, Motion detection, Tampering, Audio detection, Shock detection
Ticari Bilgi Toplama	AI Motoru Bazında	People counting, Vehicle counting

Ağ

Ethernet		Metal shielded RJ-45(10/100/1000BASE-T)
Video Sıkıştırma		H.265/H.264: Main/Baseline/High, MJPEG
Ses Sıkıştırma		G.711(PCM): 8kHz(64kbps), G.726(ADPCM): 8kHz(16/24/32/40kbps), AAC-LC: 16kHz(48kbps)
Smart Codec		WiseStream(Based on AI engine)
Bit Hızı Kontrolü		H.265/H.264: CBR or VBR, MJPEG: VBR
Yayın akışı	Unicast	Up to 20 users
	Multicast	Support
	Çoklu Yayın Akışı	Up to 4 profiles
Protokol		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)
Uygulama Programlama Arayüzü	ONVIF	S, G, T, M
	Diğer	SUNAPI(HTTP API), Hanwha Vision Open Platform

Güvenlik

İS / Yerleşik Yazılım Koruması	Encrypted firmware, Secure boot, Signed firmware
Kullanıcı kimlik doğrulaması	Digest authentication
Ağ kimlik doğrulaması	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)

Güvenlik

Güvenli İletişim	HTTPS, WSS(WebSocket Secure), SRTP
Erişim Denetimi	IP-based access control
Veri Koruması	Encryption credentials, Encrypt compress for live recording file export
Denetim	Access / System / Event Log management
Aygıt Kimliği	Device certificate(Hanwha Vision Root CA)
Güvenli Depolama	SDcard partition encrypt(AES-256), Secure element
Güvenlik Sertifikası	Secure element(FIPS 140-3 level3, CC EAL6+), ETSI EN 303 645, IEC 62443-4-1

Genel

SoC	Type	NT98690
Bellek	RAM	8GB
	Flaş	8GB
Kenar Depolama	Mikro SD/SDHC/SDXC	Max. 1TB x 2slot(Total 2TB)

Çevresel ve Elektriksel

Çalışma Koşulu	Sıcaklık	-10°C~+45°C(+14°F~+113°F)
	Nemlilik	0~95% RH(non-condensing)
Depolama Koşulu	Sıcaklık	-50°C~+60°C(-58°F~+140°F)
	Nemlilik	0~90% RH(non-condensing)
Giriş Voltajı		PoE+(IEEE802.3at, Class4), 12VDC
Güç Tüketimi	PoE	Max. 25.5W, typical 23.8W
	12VDC	Max. 23.1W, typical 21.5W

Mekanik

Renk		Black
Malzeme		Plastic
Malzeme Yönetimi	Beyanname	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)
RAL Kodu		RAL9005
Ürün Boyutları		200(W)x37(H)x146(D)mm(7.87x1.46x5.75")
Ürün Ağırlığı		1,015g(2.24lb)

Sertifikasyonlar ve Standartlar

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
Emniyet	UL 62368-1, CAN/CSA C22.2 NO. 62368-1, IEC 62471
Ortam	IEC/EN 63000

PNM-C20000QB

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

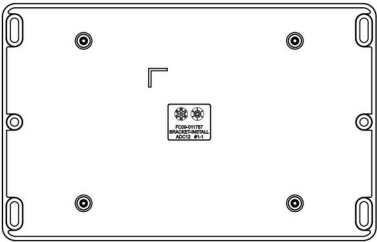
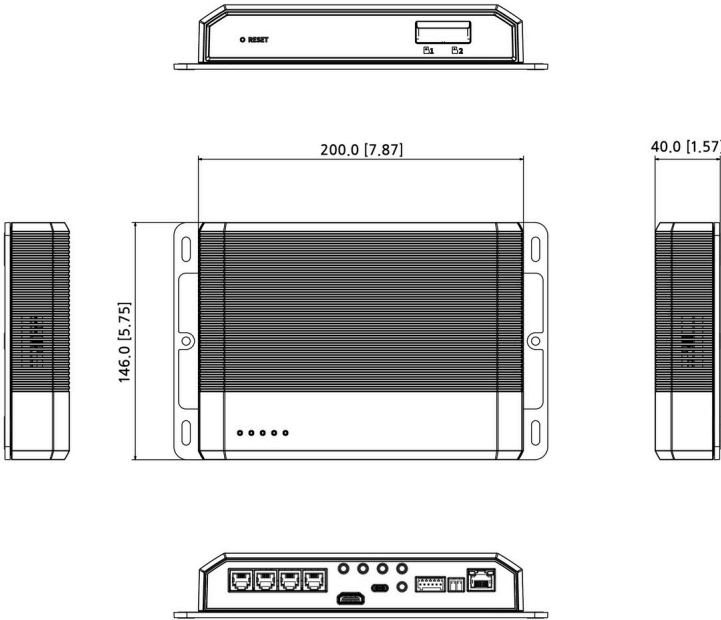
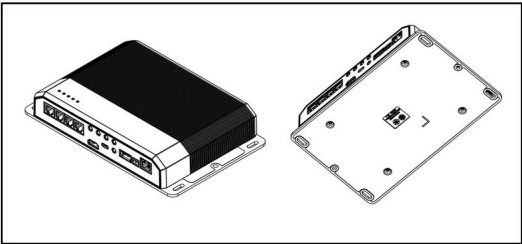


CAD

Unit: mm [inch]

PNM-C20000QB 2MP x 4CH AI remote-head Camera

Reference image



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

©Hanwha Vision Co., Ltd. All right reserved.