

Network Bullet

PNO-A9081RLP

4K AI IR Bullet Camera with Wisenet Road AI application and SD card

Key Features

- All in one solution with ANPR, Make/Model/Colour Recognition (MMCR) and vehicle classification analytics, pre-installed and licensed
- Edge-based negating need for server
- Ideal for city traffic surveillance with coverage of up to 1 traffic lane at speeds of up to 70kmh (45mph)
- Access control and licence plate list management for stop and go installations such as car parks and toll roads
- Web-based user-friendly interface, no need for a dedicated client software
- Search smarter and quicker with multiple inputs
- Gain insights into the road usage by vehicle type, make and model
- Choose from key Integrated VMS such as Genetec, Milestone and WAVE
- Installation aids such as Wi-Fi dongle (optional), CVBS output and in-app licence plate alignment assistant

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Specifications

Video

Dispositivo di imaging	Dimensioni	1/1,8"
	Tipo	CMOS
Risoluzione		3840x2160, 3072x1728, 2688x1520, 2592x1944, 2560x1440, 2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360
Max. Framerate	H.265/H.264	30fps/25fps (60Hz/50Hz)
	MJPEG	30fps
Min. Illuminazione (Lux)	Colore (1/30 sec, 30IRE)	0.05
	B/N (1/30 sec, 30IRE)	0.005
Uscita video		CVBS: 1.0 Vp-p / 75Ω composito per installazione, USB: Micro USB Tipo B

Ottica

Lunghezza focale (mm)		4.5~10
Rapporto di zoom	Ottico	2.2x
Rapporto di apertura massimo (numero F)	Grandangolo	1.6
	Telescopico	2.65
Campo visivo angolare	Orizzontale	101.4°~45.5°
	Verticale	53.6°~25.5°
	Diagonale	120.7°~52.3°
Minimo Distanza oggetto		0.5m(1.64ft)
Controllo messa a fuoco		Messa a fuoco semplice
Tipo di Ottica		P iride (IR corretto)

Efficienza

Giorno e notte	Auto (ICR)
Compensazione retroilluminazione	BLC, WDR, SSDR
Wide Dynamic Range (dB)	120
Riduzione digitale del rumore	SSNR V
Stabilizzazione dell'immagine	Supporto (sensore giroscopico integrato)

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Efficienza

Rilevamento movimento	Quantità	8ea
	Forma	Zone poligonali a 8 punti
Mascheramento della privacy	Quantità	6ea
	Forma	Zone rettangolari
	Colore / Opzione	Grigio, Nero, Bianco
Controllo guadagno		Basso, Medio, Alto
Bilanciamento del bianco		ATW, AWC, Manuale, Interno, Esterno
LDC		Supporto
Otturatore elettronico	Modalità	Minimo, Massimo, Anti sfarfallio
	Intervallo di velocità	1/5~1/12.000 sec
Rotazione video		Capovolgi, Ribalta, Vista corridoio (90°/270°)
Interfaccia allarme	Ingresso/Uscita	Ingresso 1ea, Uscita 1ea
	Altri	Uscita 12 V CC
Attivazione allarme		Analisi, Disconnessione dalla rete, Ingresso allarme
Eventi di allarme quando si è verificata l'attivazione allarme		Caricamento file (immagine): e-mail/FTP, Notifica: e-mail,Uscita allarme, Handover: Preimpostazione PTZ,invia messaggio tramite HTTP/HTTPS/TCP,Riproduzione clip audio,Registrazione NAS all'attivazione di eventi
Ingresso audio		Selezionabile (ingresso microfono/ingresso linea)
Uscita audio		Uscita linea
Tipo di luce		LED IR
Lunghezza visibile alla luce	IR	WiseIR 30m(98.42ft)
Lunghezza d'onda IR		850 nm

Analisi

Eventi analitici	Normale	Rilevamento sfocatura, Rilevamento movimento, Manomissione, Rilevamento audio, Classificazione suono, Rilevamento urti

Rete

Ethernet		Schermatura metallica RJ-45 (10/100/1000BASE-T)
Compressione video		H.265/H.264: Principale/Alta, MJPEG
Compressione audio		G.711 u-law /G.726 selezionabile, G.726 (ADPCM) 8 kHz, G.711 8 kHz, G.726 16 kbps, 24 kbps, 32 kbps, 40 kbps, AAC-LC: 48 kbps a 16 kHz
Codec intelligente		Manuale, WiseStream II
Controllo bitrate		H.265/H.264 CBR o VBR, MJPEG: VBR
Streaming	Unicast	Fino a 10 utenti
	Multicast	Supporto
	Streaming multiplo	Fino a 5 profili

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Rete

Protocollo		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, SRTP (TCP, UDP Unicast)
Interfaccia di programmazione dell'applicazione	ONVIF	S, G, T
	Altri	SUNAPI (API HTTP)
Connessione diretta al cloud		Supporto

Sicurezza

Protezione OS / Firmware	Firmware crittografato, Avvio sicuro, Firmware firmato
Autenticazione utente	Autenticazione digest, Previene attacchi di forza bruta
Autenticazione di rete	IEEE 802.1X (EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Comunicazione sicura	HTTPS, WSS (WebSocket Secure), SRTP
Controllo degli accessi	Controllo degli accessi basato su IP
Protezione dei dati	Credenziali di crittografia, esportazione di file di registrazione live Crittografati
Audit	Gestione Accessi / Sistema / Registro eventi
ID dispositivo	Certificato del dispositivo (Hanwha Vision Root CA)

Generale

Memoria	RAM	4 GB
	Flash	512 MB
Archiviazione Edge	Micro SD/SDHC/SDXC	1slot (32GB card preinstalled) dedicated to strong LPR images from Wisenet Road AI app only (not for video recording)

Ambientale ed elettrico

Condizione operativa	Temperatura	-40 °C~+55 °C (-40°F~+131°F)
	Umidità	0~90% UR (senza condensa)
	Altri	L'avvio deve essere effettuato a una temperatura superiore a -30 °C
Condizioni di conservazione	Temperatura	-50 °C~+60 °C (-58°F~+140°F)
	Umidità	0~90% UR (senza condensa)
Tensione di ingresso		PoE+ (IEEE802.3at, Classe4), 12 V CC
Consumo energetico	PoE	Max 20.00W, typical 17.00W
	12 V CC	Max 18.00W, typical 16.00W

Meccanico

Colore	Grigio scuro
Materiale	Alluminio
Dimensioni del prodotto	Ø91.0x368.6mm(3.58"x14.51")(Without sunshield)
Peso del prodotto	2.48kg(5.47lb)

Wisenet Road AI LPR/ANPR/MMCR

App Type	CNN (Convolutional Neural Network) AI

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Wisenet Road AI LPR/ANPR/MMCR

LPR Usage Condition	NA	Community Traffic, Parking Application
	EU	Community Traffic, Parking Application
Speed Description by Region	NA	Low to Moderate Speed
	EU	Low to Moderate Speed
Lane Coverage_NA	1 Lane	3.6m/12ft wide (with built in IR)
	2 Lanes	8.1m/26ft wide (with built in IR)
Lane Coverage_EU	1 Lane	3.6m/12ft wide (with built in IR)
	2 Lanes	8.1m/26ft wide (with built in IR)
	3 Lanes	16.2m/53ft wide (with built in IR)
Plate Capture Resolution_NA	1 Lane	4K
	2 Lanes	4K
Plate Capture Resolution_EU	1 Lane	4K
	2 Lanes	4K
	3 Lanes	4K
Speed Limit_NA	1 Lane	Up to 90km/h (56mph)
	2 Lanes	Up to 70km/h (43mph)
Speed Limit_EU	1 Lane	Up to 110km/h (68mph)
	2 Lanes	Up to 100km/h (62mph)
	3 Lanes	Up to 45km/h (28mph)
Min. Forward Distance_NA	1 Lane	6m (19.7ft)
	2 Lanes	8m (26.2ft)
Min. Forward Distance_EU	1 Lane	6m (19.7ft)
	2 Lanes	6m (19.7ft)
	3 Lanes	9m (29.5ft)
Max. Forward Distance_NA	1 Lane	15m (49.2ft)
	2 Lanes	15m (49.2ft)
Max. Forward Distance_EU	1 Lane	20m (65.6ft)
	2 Lanes	20m (65.6ft)
	3 Lanes	20m (65.6ft)
Max. Horizontal Angle by Region	NA	30° for highway, 45° for traffic observation
	EU	30° for highway, 45° for traffic observation
Max. Vertical Angle by Region	NA	30°
	EU	30°
Riconoscimento veicoli		Make: 100+ makes Model: 4700+ models Color: 11 colors

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Wisenet Road AI LPR/ANPR/MMCR

Paesi disponibili	Albania, Armenia, Austria, Bielorussia, Belgio, Bosnia ed Erzegovina, Bulgaria, Cipro, Cechia, Danimarca, Estonia, Finlandia, Francia, Grecia, Germania, Ungheria, Irlanda, Islanda, Italia, Lituania, Lussemburgo, Lettonia, Montenegro, Macedonia del Nord, Malta, Paesi Bassi, Norvegia, Polonia, Portogallo, Romania, Serbia, Slovenia, Slovacchia, Spagna, Svizzera, Turchia, Regno Unito, Stati Uniti d'America, Canada, Federazione Russa, Azerbaigian, Uzbekistan, Ucraina, Kirghizistan, Kazakistan, Tagikistan, Georgia, Turkmenistan, Vietnam, Indonesia, Bahrein, Kuwait, Oman, Qatar, KSA, Emirati Arabi Uniti, Sudafrica, Hong Kong/Taiwan (solo LPR), Australia/Nuova Zelanda (solo LPR), Perù/Colombia (solo LPR), Liechtenstein, Messico, Moldavia, Monaco, San Marino, Svezia, Croazia, Repubblica Ceca, Gibilterra, Israele, Kosovo, Macedonia, Mongolia
Integration Options	JSON over HTTP, UTMC 1, UTMC 2, NVR, Wisenet WAVE
VMS Support	Wisenet WAVE, Wisenet SSM, Genetec Security Center, Milestone Xprotect, Genetec AutoVu

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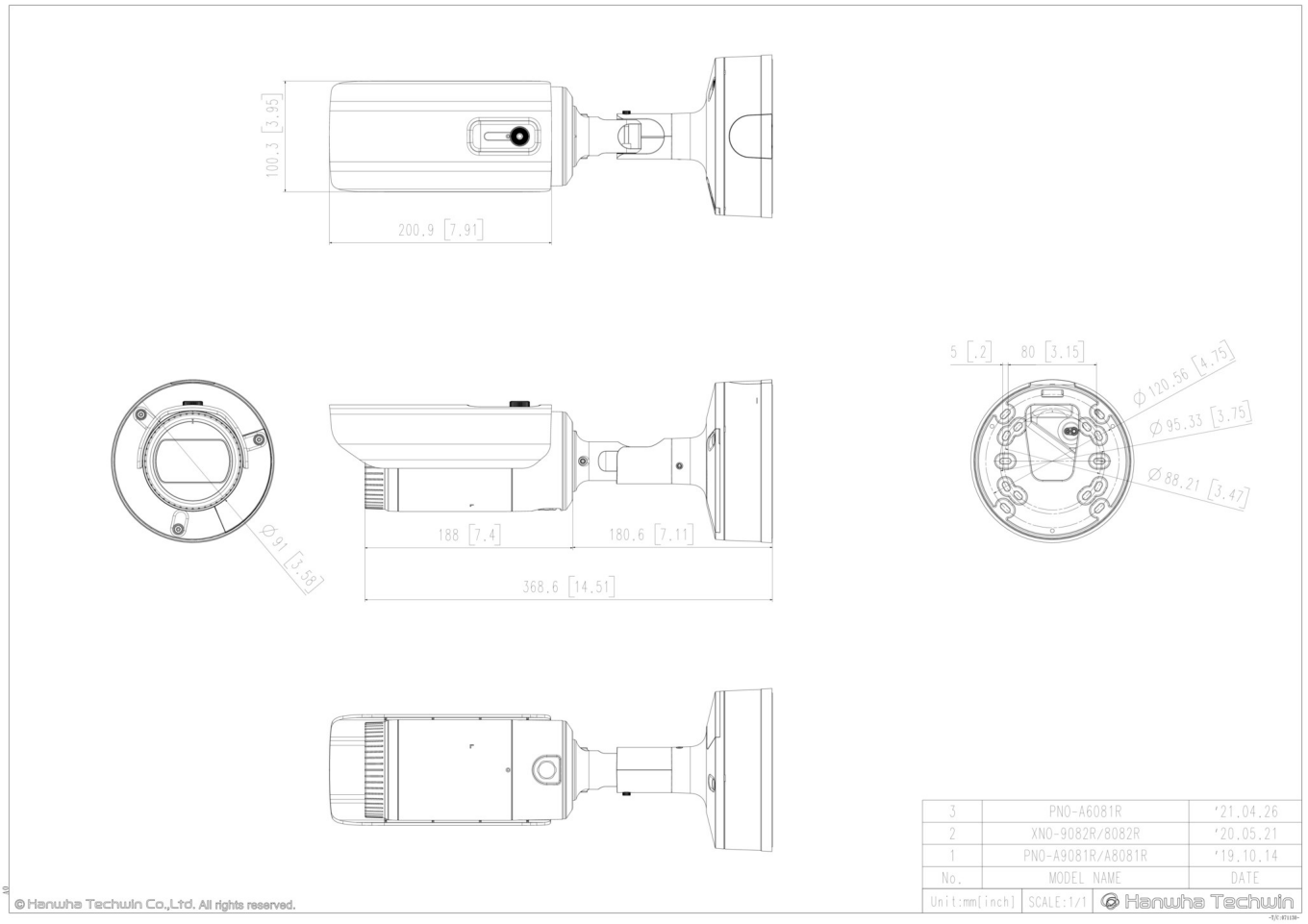
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CAD

Unit: mm [inch]



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Compatible Devices



SBP-302PM

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