

Network BOX

PNB-A9001LP

4K AI Box 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 2 traffic lanes at speeds of up to 100kmh (65mph)
- 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)	0.03
	B/N (1/30 sec, 30IRE)	0.003
Uscita video		CVBS: 1.0 Vp-p / 75Ω composito per installazione, USB: Micro USB Tipo B

Ottica

Controllo messa a fuoco		Messa a fuoco semplice
Tipo di Ottica		DC auto iride, P iride (IR corretto), Manuale, I-CS
Tipo di montaggio		Attacco a C, Supporto CS

Efficienza

Giorno e notte		Auto (ICR)
Compensazione retroilluminazione		BLC, WDR, SSDR
Riduzione digitale del rumore		SSNR V
Stabilizzazione dell'immagine		Supporto (sensore giroscopico integrato)
Rilevamento movimento	Quantità	8ea
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

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Efficienza

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 seriale		RS-485 (Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
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), Microfono integrato
Uscita audio		Uscita linea

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
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)

Sicurezza

Protezione OS / Firmware	Avvio sicuro
Autenticazione utente	Autenticazione digest
Autenticazione di rete	IEEE 802.1X (EAP-TLS, EAP-LEAP)
Comunicazione sicura	HTTPS
Controllo degli accessi	Controllo degli accessi basato su IP
Audit	Gestione Accessi / Sistema / Registro eventi

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Sicurezza

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	-10 °C~+55 °C (+14°F~+131°F)
	Umidità	0~90% UR (senza condensa)
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	PoE+: Max 16.50W, typical 12.50W
	12 V CC	12VDC: Max 13.50W, typical 10.80W

Meccanico

Colore		Nero
Materiale		Alluminio
Dimensioni del prodotto		81x67x165mm(3.19x2.64x6.48")
Peso del prodotto		0.88kg(1.94lb)

Wisenet Road AI LPR/ANPR/MMCR

App Type		CNN (Convolutional Neural Network) AI
LPR Usage Condition	NA	City Traffic
	EU	City Traffic
Speed Description by Region	NA	Regular Speed
	EU	Regular 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

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Wisenet Road AI LPR/ANPR/MMCR

Speed Limit_NA	1 Lane	Up to 140km/h (87mph)
	2 Lanes	Up to 120km/h (74mph)
Speed Limit_EU	1 Lane	Up to 140km/h (87mph)
	2 Lanes	Up to 140km/h (87mph)
	3 Lanes	Up to 70km/h (43mph)
Min. Forward Distance_NA	1 Lane	6m (19.7ft)
	2 Lanes	15m (49.2ft)
Min. Forward Distance_EU	1 Lane	6m (19.7ft)
	2 Lanes	9m (29.5ft)
	3 Lanes	15m (49.2ft)
Max. Forward Distance_NA	1 Lane	30m (98.4ft)
	2 Lanes	30m (98.4ft)
Max. Forward Distance_EU	1 Lane	30m (98.4ft)
	2 Lanes	30m (98.4ft)
	3 Lanes	30m (98.4ft)
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
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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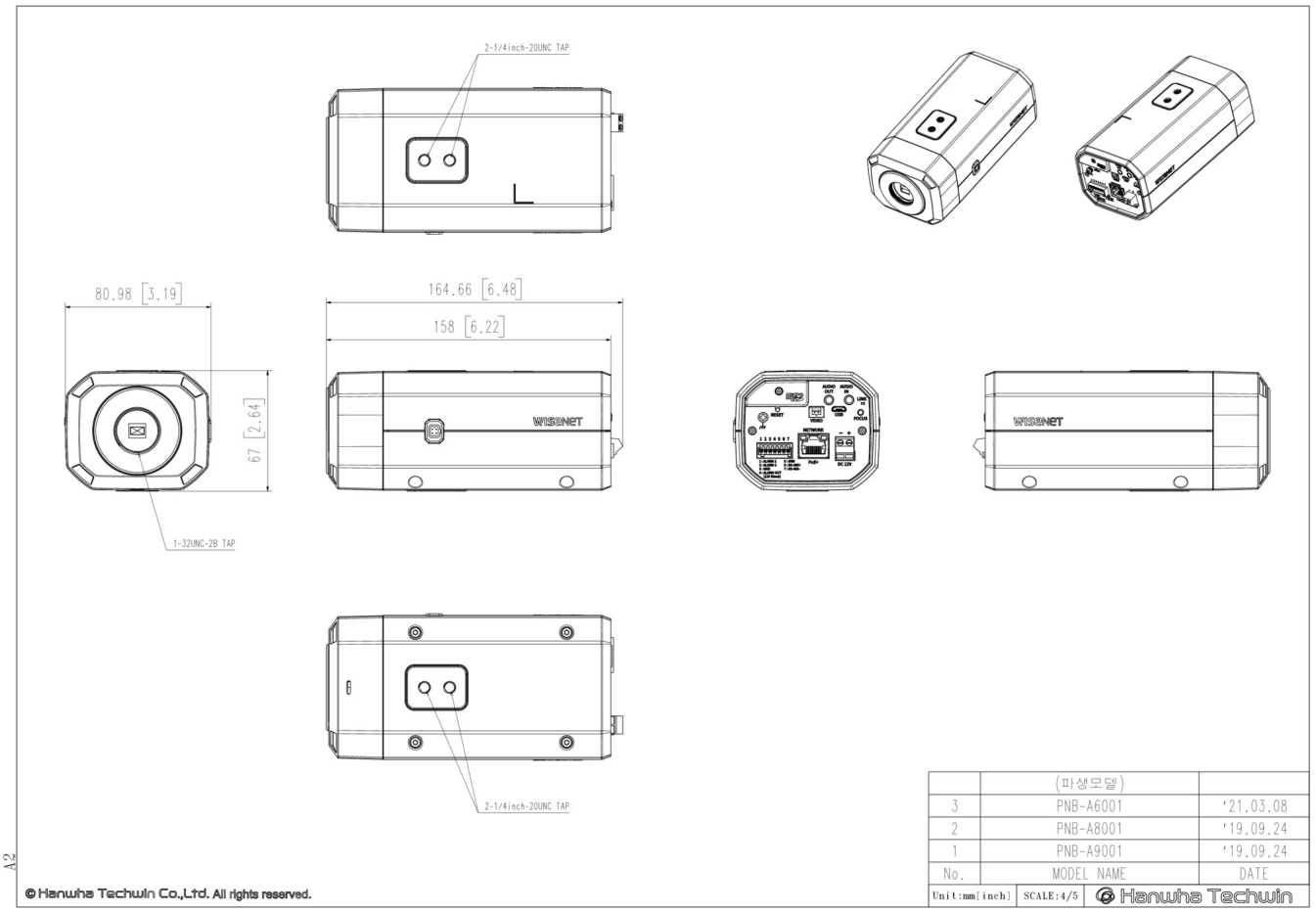
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CAD

Unit: mm [inch]



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