

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

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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Specifications

Vídeo

Dispositivo de imagen	Tamaño	1/1.8"
	Tipo	CMOS
Resolución		3840x2160, 3072x1728, 2688x1520, 2592x1944, 2560x1440, 2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360
Máx. Frecuencia de cuadro	H.265 / H.264	30 ips / 25 ips (60Hz/50Hz)
	MJPEG	30 ips
Mín. Iluminación (Lux)	Color (1/30 seg., 30 IRE)	0.03
	B/N (1/30 seg., 30 IRE)	0.003
Salida de vídeo		CVBS: 1,0 Vp-p / 75Ω vídeo compuesto para instalación, USB: Micro USB Tipo B

Objetivo

Control de enfoque		Simple Focus
Tipo de lente		Iris automático CC, P iris (corregido para IR), Manual, I-CS
Tipo de montura		Montura C, Montura CS

Operativo

Día / Noche		Automático (ICR)
Compensación de luz de fondo		BLC, WDR, SSDR
Reducción de ruido digital		SSNR V
Estabilización de imagen digital		Soporte (sensor giroscópico integrado)
Detección de movimiento	Cantidad	8
Máscara de privacidad	Cantidad	6
	Forma	Zonas rectangulares
	Color / opción	Gris, Negro, Blanco
Control de ganancia		Bajo, Media, Alto
Balance de blanco		ATW, AWC, Manual, Interior, Exterior
LDC		Soporte

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Operativo

Obturador electrónico	Modo	Mínimo, Máximo, Antiparpadeo
	Rango de velocidad	1/5 ~ 1/12,000 seg.
Rotación de vídeo		Volteo, Espejo, Visualización pasillo (90˚/270˚)
Interfaz serie		RS-485 (Samsung-T, Pelco-D / P, Panasonic, Bosch, AD, GE, Vicon y Honeywell)
Interfaz de alarma	Entrada / Salida	Entrada 1 / salida 1
	Otros	Salida 12 VCC
Activadores de alarma		Analíticas, Desconectar de la red, Entrada de alarma
Eventos de alarma cuando se ha producido activación de alarma		Carga de archivo (imagen): por email / FTP, Notificación: e-mail,Salida de alarma, Transferencia: Preajuste PTZ,enviar mensaje mediante HTTP/HTTPS/TCP,Reproducción de secuencia de vídeo,Grabación NAS en activaciones de eventos
Entrada de audio		Seleccionable (entrada de micrófono / entrada de línea), Micrófono integrado
Salida de audio		Salida de línea

Analíticas

Eventos de analíticas	Normal	Detección de desenfoque, Detección de movimiento, Manipulación, Detección de audio, Clasificación de sonidos, Detección de impactos

Red

Ethernet		RJ-45 con blindaje metálico (10 / 100 / 1000BASE-T)
Compresión de vídeo		H.265 / H.264: Principal / Alta, MJPEG
Compresión de audio		G.711 u-law / G.726 seleccionable,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
Códec inteligente		Manual, WiseStream II
Control del Bitrate		H.265 / H.264: CBR o VBR, MJPEG: VBR
Flujos	Unicast	Hasta 10 usuarios
	Multicast	Soporte
	Múltiples flujos	Hasta 5 perfiles
Protocolo		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)
Interfaz de programación de la aplicación	ONVIF	S, G, T
	Otros	SUNAPI (API HTTP)

Seguridad

S.O. / Protección de firmware	Arranque seguro
Autenticación del usuario	Autenticación Digest
Autenticación de red	IEEE 802.1X(EAP-TLS, EAP-LEAP)
Comunicación segura	HTTPS

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Seguridad

Control de acceso	Control de acceso por IP
Auditoría	Acceso / Sistema / gestión de registro de eventos
ID del dispositivo	Certificado de dispositivo (Hanwha Vision Root CA)

General

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

Medioambiental y eléctrico

Condición de funcionamiento	Temperaturas	-10°C~+55°C(+14°F~+131°F)
	Humedad	0 ~ 90 % HR (sin condensación)
Condición de almacenamiento	Temperaturas	-50°C~+60°C(-58°F~+140°F)
	Humedad	0 ~ 90 % HR (sin condensación)
Voltaje de entrada		PoE+(IEEE802.3at, Class4), 12 VCC
Consumo de corriente	PoE	PoE+: Max 16.50W, typical 12.50W
	12 VCC	12VDC: Max 13.50W, typical 10.80W

Mecánico

Color	Negro
Material	Aluminio
Dimensiones del producto	81x67x165mm(3.19x2.64x6.48")
Peso del producto	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

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Wisenet Road AI LPR/ANPR/MMCR

Plate Capture Resolution_EU	1 Lane	4K
	2 Lanes	4K
	3 Lanes	4K
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°
Reconocimiento del vehículo		Make: 100+ makes Model: 4700+ models Color: 11 colors
Países disponibles		Albania, Armenia, Austria, Bielorrusia, Bélgica, Bosnia y Herzegovina, Bulgaria, Chipre, Chequia, Dinamarca, Estonia, Finlandia, Francia, Grecia, Alemania, Hungría, Irlanda, Islandia, Italia, Lituania, Luxemburgo, Letonia, Montenegro, Macedonia de Norte, Malta, Países Bajos, Noruega, Polonia, Portugal, Rumanía, Serbia, Eslovenia, Eslovaquia, España, Suiza, Turquía, Reino Unido, Estados Unidos de América, Canadá, Federación Rusa, Azerbaiyán, Uzbekistan, Ucrania, Kirguistán, Kazajstán, Tayikistán, Georgia, Turkmenistán, Vietnam, Indonesia, Baréin, Kuwait, Omán, Katar, Arabia Saudita, Emiratos Árabes Unidos, Sudáfrica, Hongkong / Taiwán (solo LPR), Australia/Nueva Zelanda (solo LPR), Perú / Colombia (solo LPR), Liechtenstein, México, Moldavia, Mónaco, San Marino, Suecia, Croacia, República Checa, Gibraltar, Israel, 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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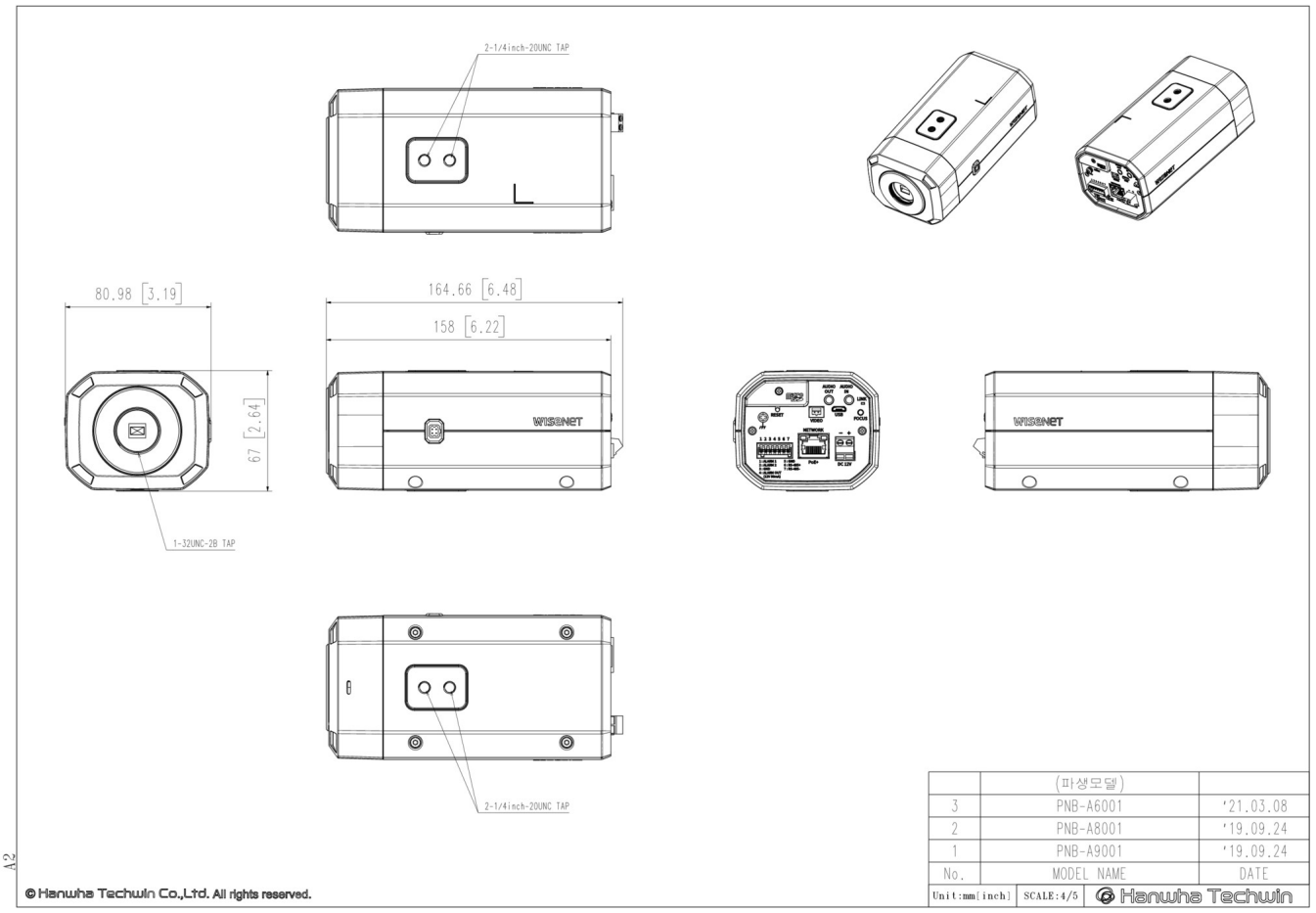
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CAD

Unit: mm [inch]



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