

AI and Video Analytics



FEATURES

- Over 50+ intuitive AI apps capable (On-premises).
- Multi AI Algorithms running at single channel
- Advanced human behavior analysis
- Supports up to 4 camera channels
- Wide temperature range without Fans
- Supports various protocols and VMS
- P2P based mobile alarm viewer
- Internal recording with M.2 NVME SSD (optional)
- Cloud based dashboard (optional)
- Hybrid AI boost mode support
- NDAA Compliant

ETR-AIBOX4-PRO



AI-Based

Intuitive AI video analytics



False Alarm Reduction

Multi-level AI-based



Multiple AI Apps

Running simultaneously on each channel



Accurate Event Detection

Using scene interpretation



ETR-AIBOX4-PRO

Items	ZN-AIBOX4-PRO 4-channel	
AI Applications	Pre-installed Package	• People Counting • Vehicle Counting • Zone Counting • Multi Zone Counting • Virtual Fence • Stopping • Stay & Go • Enter/Exit Detection • Speed Anomaly Detection • Occupancy Counting • Occupancy Car Counting
	Optional: Individual licenses- Per channel, per app	LPR-US, LPR-Europe, LPR-JP, LPR-KR, Advanced Heatmap, No PPE, Illegal Dumping, Aggressive Detection, PTZ Tracking, Human Prolonged Stay, Staff Exclusion People Counting, Forklift No Helmet, Forklift Detection, Forklift Non-Driver Detection, Reverse Movement Detection, Vehicle Zone Presence, Road Pedestrian Detection, Work Vehicle Hazard Detection, Bullying Detection, Vehicle Queue Management, and Hybrid AI Boost apps
Event Action	System Events	Tamper Detection, Alarm In, Virtual Alarm In, Video Loss / Recovery, Disarm, Recurrence, Login, System Start
	Action Handlers	HTTP, TCP, FTP, E-mail, S3, VMS, Onvif, Audio Back Channel (Camera speaker)
	Combining Rules w/ other Events	Yes
	Pre/Post snapshot	Yes
Video	Annotated Video Stream	Yes
	Max. Video Input resolution	4K @ 30 fps (2M @ 120 fps)
	Video Input Method	RTSP, RTSP over HTTP/S, Onvif
	Supported Input Video Format	H.265 / H.264
Audio	Video Output Stream Method	RTSP over TCP/UDP, RTSP over Websocket, RTSP over HTTP/S
	Audio Input	1 x Audio Line-In, (10KOhm, 1Vrms), (3.5mm audio phone jack)
	Audio Output	1 x Audio Line-Out, (600Ohm, 1Vrms), (3.5mm audio phone jack)
Interface	USB	1 x USB2.0
	RS-485	-
	RS-232	-
	Wiegand	-
	CAN BUS	-
	LAN	2 x RJ-45 10/100 BASE-T Ethernet (LAN1/LAN2)
Alarm I/O	Alarm Input	4CH, DI (0-30V Input), Pulled up to 5V via 10KOhm
	Relay Output	1CH, Dry contact Relay(30VDC/250VAC), NO/COM/NC (Terminal Block)
Storage	INTERNAL SD	1 x Internal SD Card Slot
	NVMe SSD	1 x M.2 M-Key Slot (for M.2 2280 NVMe SSD) / Recording license 4-ch (Optional)
ETC	Watchdog	Yes
	RTC	Yes
	Cooling Fan	-
	Factory Reset button	Yes
POWER	LED Indicators	1 x PWR LED (3 Color), 1 x Status LED (3 Color)
	Power Supply	12V/3.3A adapter, DC +9-36V (DC Input Voltage)
	Power Consumption	6.7 Watts (without NVMe SSD)
Environment	Temperature/Humidity	-22°F ~ 158°F (-30°C ~ 70°C) 10 ~ 90% NC (without NVMe SSD) 5°F ~ 122°F (-15°C ~ 50°C) 10 ~ 90% NC (with commercial NVMe SSD)
Chassis	Dimensions (WxDxH)	3.7" x 6" x 1.1" (94 x 153 x 28 mm)
	Weight (Net/Gross)	1lb / 2.3lbs (0.45/1.05 KG)
Mounting	-	Desk, Wall
Certifications	-	CE, UKCA, FCC, KC (Plan)



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Dimensions

