

AI and Video Analytics



FEATURES

- Capable of over 50+ intuitive AI apps (on-premise)
- Multi AI Algorithms running on single channel
- Advanced human behavior analysis
- Supports up to 16 camera channels
- Wide temperature range: without fan: -22°F ~ 158°F
- Supports various protocols and VMS
- P2P-based mobile alarm viewer
- LTE & GPS support (option)
- Internal recording with M.2 NVME SSD (optional)
- Cloud-based dashboard (optional)
- Optional Model: ETR-AIBOX-PRO-LTE (LTE support)
- Hybrid AI boost mode support
- NDAA Compliant

AI BOX 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-AIBOX-PRO

Model		8-channel Basic AI application package	16-channel (Extension) mode *Basic AI application package	8-channel *Advanced includes Basic Package
AI Applications	Pre-installed Packages	- Dynamic Privacy Mask - Dynamic Face Masking - LP Masking - Basic Attributes (Color of Clothes) - Queue Management - Basic Heatmap - Intrusion Detection - Loitering Detection - 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	- Intrusion Detection - Loitering Detection - People Counting - Vehicle Counting - Zone Counting - Multi Zone Counting - Virtual Fence - Stopping Detection - Stay & Go - Enter/Exit Detection - Occupancy Counting - Occupancy Car Counting - Thermal Intrusion Detection (in the case of installing thermal license)	- e-Crowd Detection - Advanced Visitor Analysis - Hand & Foot Intrusion - Intentional Body Gaze Detector - Imminent Threat - Fallen Person Detection - Animal Detection - Fire & Smoke Detection - Vehicle Type Counting - Vehicle Type Detection - Thermal Intrusion Detection - Fish-eye Camera support - Advanced Attribute
	Optional: Extra licenses	- 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 - Hybrid AI Boost apps	n/a	- 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 - 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		
	Annotated Video Stream	Yes		
Video	Max. Video Input Resolution	4K @ 60 fps (2M @ 240 fps)	2M @ 240 fps	4K @ 60 fps (2M @ 240 fps)
	Video Input Method	RTSP, RTSP over HTTP/S, Onvif		
	Supported Input Video Format	H.265 / H.264		
	Video Output Stream Method	RTSP over TCP/UDP, RTSP over Websocket, RTSP over HTTP/S		
Audio	Audio Input	1 x Audio Line-In (3.5mm audio phone jack)		
	Audio Output	1 x Audio Line-Out (3.5mm audio phone jack)		

ETR-AIBOX-PRO

Interface	USB	1 x USB3.0
	RS-485	1 x RS-485 (Full-duplex 4line T/B)
	RS-232	1 x RS-232 (D-SUB9)
	Wiegand	1ch input / 1ch output
	LAN	2 x 10/100/1000 BASE-T Ethernet (ETH1/ETH2)
	Mini PCIe Slot(LTE, GPS Module)	1x Mini-PCle (for LTE-cat4 / GPS (GNSS) Modem module)
	SIM Slot	1x micro SIM Slot
Antenna		2x 50Ω SMA Female for Main Antennas (OPTION)
		1x 50Ω SMA Female for GPS(GNSS) Antenna (OPTION)
Alarm I/O	Alarm Input	4CH DI (0-30V Input)
	Relay Output	4CH Relay (Up to 3A and 30VDC/250VAC output) NO/COM/NC (Terminal Block)
Storage	Internal SD	1 x Internal SD Card Slot
	NVMeSSD	1 x M.2 M-Key Slot (for M.2 2280 NVMeSSD) / Recording license 8-ch(OPTION)
Additional	Watchdog	Yes
	RTC	Yes
	Fan	No
	Factory Reset button	Yes
Power	LED Indicators	1 x Power LED (3-Color), 1 x Status LED (3-Color), 1 x Alarm in LED (3-Color), 1 x Alarm out (3-Color)
	Power Supply	12V/3.3A adapter, DC +9V ~ +36V (DC Input Voltage)
	Consumption	Consumption 16 Watts (without NVMeSSD)
Environment	Temperature/Humidity	-22°F~158°F (-30°C ~ 70°C) / 10 ~ 90% NC (without NVMeSSD) / -4°F ~ 140°F (-20°C ~ 60°C) / 10 ~ 90% NC (with commercial NVMeSSD)
Chassis	Dimensions (W x D x H)	8.4 x 6.9 x 2.4" / 213.6 x 175.8 x 60mm
	Weight (Net/Gross)	3.3/ 4.9 lbs. / 1.5/2.2KG
Mounting		Wall or Desk mount
Certifications		CE, FCC, KC, UKCA

