



## Intelligent Video Analytics Solution

**GANZ**  
**AI BOX**

# ZN-AIBOX Series

### Features:

- Deep learning-based AI engine and analytics rule engine
- Multiple AI video analytics package choices
- Ideal for Surveillance, Business Intelligence, access control, loss prevention, etc.
- Compatible with existing Onvif based VMS, NVR/DVR, alarm monitoring system
- Easy integration with an annotated video stream
- Easy integration with various APIs and protocols (Onvif, REST, E-mail, TCP, RS485)
- HTML5 Web-based configuration (no plugin)

		ZN-AIBOX4 (4ch)	ZN-AIBOX8 (8ch)	ZN-AIBOX16 (16ch)
		ZN-AIBOX4-FR1 (1 Ch FR)	ZN-AIBOX8 FR1 (1ch FR)	ZN-AIBOX16-FR1 (1ch FR)
		-	ZN-AIBOX8-FR4 (4ch FR)	ZN-AIBOX16-FR4 (4ch FR)
AI Engine	Detector	Deep learning based Object Detection & Classification: Human, Car, Bike and other objects (optional license). Special camera support: Thermal (Human only, optional license), Fisheye (Human only, optional license)		
	Tracker	Multi object Tracking		
	Recognizer	Face Recognition Engine (optional license)		
		License Plate Recognition Engine (optional license)		
	Behavior Analyzer	Fallen Person (optional license)		
Event Trigger	Behavior Detection Trigger	Intrusion, Occupancy, Loitering, Enter/Exit, Line Crossing, Stopping, Direction, Tailgating (optional license)		
	Counting Trigger	Object Counting (Line, Zone, Queue (Presence), Event Counting)		
	System Trigger	Alarm-In, Recurrence		
	Recognition Trigger	Face Recognition (optional license), License Plate Recognition (optional license)		
	False Alarm Filter	Yes		
	Combined with other triggers	Yes		
Event Action	Network Action Handler	OnVIF, HTTP, TCP, E-mail, FTP		
	System Action Handler	Relay Out, RS485		
	Annotated Video Stream	Video Pop up on Channel 0 multi-view stream		
	Pre/Post snapshot	Yes		
Analytics Report	Counter Report	Number of objects (Human, Car, Bike, etc.) in zones, Line crossing counting (Line cross, Enter, Exit), Event counting		
	Visitor Analytics Report	Age, Gender, VIP (Need to enable face recognition, optional license)		
	Queue Management Report	Queue length, Average Queue Time		
	Path-map / Thermal (human) Report	Yes / Yes		
UI	Web UI	HTML5 Web UI (No Plugins)		
API	API	OnVIF, REST		
Video	Input Video Channels	Up to 4ch	Up to 8ch	Up to 16ch
	Max Video Input Res.	4K @ 30fps (1080P @ 120fps)	4K @ 60fps (1080P @ 240fps)	4K @ 120fps (1080P @ 480fps)
	Video Input Method	RTSP, OnVIF		
	Supported Input Video Format	H.265 / H.264		
	Number of Annotated Video Output Stream	4 + 1 (Channel 0 encoding)	8 + 1 (Channel 0 encoding)	16 + 1 (Channel 0 encoding)
	Video Output Stream Method	RTSP over TCP, RTSP over Web socket		
	Monitor Out	HDMI x 1 (For Diagnostic)		
	Monitor Resolution	up to 1080p (For Diagnostic)		
Alarm I/O	Input / Output	4CH / 1CH (Relay)		
Interface	USB	USB3.0 X 2ports		
	RS-485	1		
	RS-232	-		
	LAN	10/100/1000 Mbps x 2		
Additional	Watchdog	Yes		
Power	Power Supply / Power Consumption	12V/2A adapter / 20W max.		
Environment	Temperature / Humidity	32°F~104°F / (0°C ~ 40°C) / 10 ~ 90% NC		
Chassis	Dimensions	7.9" x 5.2" x 1.5" (200mm x 131mm x 38mm)		
	Weight (Net/Gross)	0.6 lbs / 1.1 lbs (0.3kg / 0.5kg)		
Certifications	Certifications	CE, FCC, KC		

\* License key needed for optional features

All specifications are subject to change without notice. See online catalog for the most up-to-date details.