



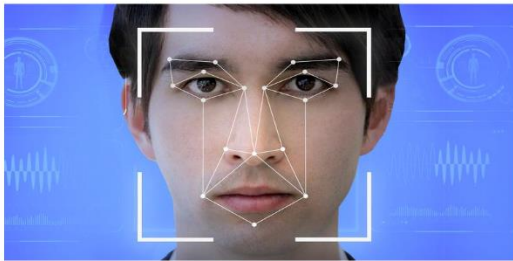
AI Box



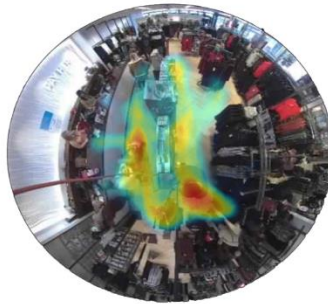
- Advanced AI algorithms
- Detecting people and vehicles
- Intelligent intrusion detection

Add artificial intelligence to your existing CCTV system

Facial Recognition



Business Intelligence



Number plate Recognition



Blacklist/Whitelist

People/Vehicle counting

Car park monitoring

Offender alerts

Dwell/Path Heatmaps

Access control

VIP entry alerts

Occupancy

Customer collections

Queue monitoring

Compatible with the VAS Cloud Business Intelligence Dashboard

Video Analysis Solutions

Call: 0845 642 2426 - Email: martin.meakins@videoanalysis.tv

Video Analysis Insights AI Box

SPECIFICATIONS

	16 Channel	8 Channel	4 Channel
Model	VAI-AI-16	VAI-AI-8	VAI-AI-4
Memory	8GB	4GB	
Main Monitor	HDMI (for diagnostic)		
Main Monitor Resolution	Up to 1080p (for diagnostic)		
Number of Video Stream	Up to 16ch	Up to 8ch	Up to 4ch
Max Video Input Resolution	4K @ 120fps (1080P @ 480fps)	4K @ 60fps (1080P @ 240fps)	4K @ 30fps (1080P @ 120fps)
Video Input Method	RTSP, Onvif		
Supported Input Video Format	H.265 / H.264		
Number of Annotated Video Output Stream	16 + 1 (Channel0 encoding)	8 + 1 (Channel0 encoding)	4 + 1 (Channel0 encoding)
Video Output Stream Method	RTSP over TCP, RTSP over Websocket		
Alarm Input	4 Ch		
Alarm Output	1 Ch		
Internal HDD	Internal SD Card Slot		
USB	USB3.0 X 2 ports	USB3.0 X 2 ports	
RS-485	1		
RS-232	-		
LAN	10 / 100 / 1000Mbps x 2	10 / 100 / 1000Mbps x 2	
Watchdog	Yes		
Cooling Fan	-		
Power Supply	12V / 2A adaptor		
Power Consumption	20W max. without HDD		
Temperature	0°C ~ 40°C		
Humidity	10 ~ 90% NC		
Dimension	200 x 131 x 38		
Weight	0.6kg Net, 1.1kg Gross		
Certification	CE, FCC, KC		

AI CAPABILITIES

	Main Features	<ul style="list-style-type: none"> - Deep learning-based AI Engine and Analytics Rule Engine - Various AI Video Analytics Package - Can be used for Surveillance, Business Intelligence, Access Control, Loss Prevention, etc - Compatible existing Onvif based VMS, NVR/DVR, Alarm monitoring system - Easy integration with annotated video stream - Easy integration with various APIs and Protocols (Onvif, REST, E-mail, TCP, RS485) - HTML5 Web based Configuration
AI Engine	Detector	Deep learning-based Object Detection & Classification <ul style="list-style-type: none"> - Person, Car, Bike - Other objects Special camera support <ul style="list-style-type: none"> - Thermal (Human only) - Fisheye (Human only)
	Tracker	Multi object Tracking
	Recognizer	Face Recognition Engine License Plate Recognition Engine
	Behaviour Analyzer	Optional
Event Trigger	Behaviour Detection Trigger	Intrusion, Occupancy, Loitering, Stopping, Enter/Exit, Line Crossing, Direction, Tailgating
	Counting Trigger	Object Counting (Line, Zone, Queue (Presence)), Event Counting
	System Trigger	Alarm-In, Recurrence
	Recognition Trigger	Face Recognition, License Plate Recognition *
	False Alarm Filter	Auto & Manual False Alarm Filter
	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 Popup on Channel 0 multi view stream
	Pre/Post snapshot	Yes
	Recording Video	Event triggered recording on SD card, Cloud, etc
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)
	Queue Management Report	Queue length, Average Queue Time (VA Insights BI Box required)
	Heat map Report	Yes (VA Insights BI Box required)
	Path map Report	Yes (VA Insights BI Box required)
UI	Web UI	HTML5 Web UI (No Plugins)
API	API	Onvif, REST

- Additional licences required for Facial recognition & LPR