



AI Video Analytics

AI Artificial Intelligence Video Content Analysis

Dynacom IQ96xx Series AI Cube

Deep learning-based artificial intelligence

Various AI Video Analytics

Can be used for Surveillance, Security, Occupational Health and Safety (OHS), Productivity Management, Access Control, Loss Prevention, Asset Management, etc.

Compatible with ONVIF-based VMS, NVR/DVR, Alarm monitoring systems

Easy integration with annotated video streaming

Various APIs and Protocols (ONVIF, REST, Email, TCP, RS485)

HTML5 Web-based Configuration

Advanced Security Options



Dynacom AI Cube

Video Analysis and Deep Learning

Works easily with almost any camera system.

Easy configuration and quick system startup. Existing camera systems

Can perform intelligent video analysis using AI BOX.

Instant and precise recognition

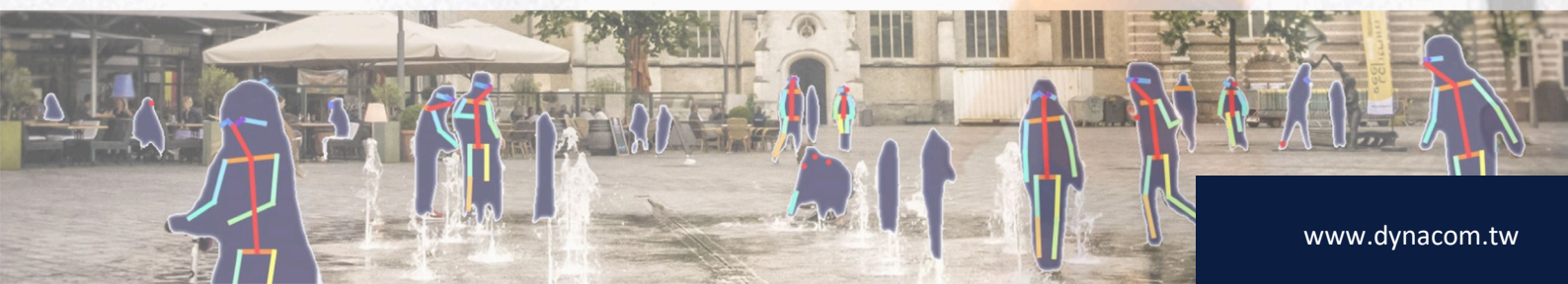
Thanks to the numerous deep learning and video analysis algorithms it is equipped with, AI-BOX can accurately and instantly recognize and classify detected objects: People, vehicles, motorcycles, bicycles, etc.

Advantages of video analysis

Video analysis is highly resistant to harsh conditions and atmospheric events (rain, snow, image vibrations).

ONVIF & RTSP compatible

Compatible with ONVIF and RTSP protocols to use images from any camera or NVR.





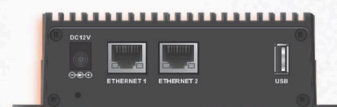
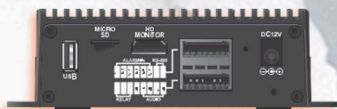
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SPECIFICATIONS

Model	IQ9608 AI BOX	IQ9616 AI BOX
Video output	HDMI	
Video resolution	3840x2160P@30fps	
Total video input	8 ch 1920x1080P@30fps	16 ch 1920x1080P@30fps
Maximum video input resolution	4K @ 60fps	4K @ 120fps
	(1080P @ 240fps)	(1080P @ 480fps)
Video input methods	RTSP, ONVIF	
Supported compressions	H.265 / H.264	
Video output stream	4 + 1 (ch 0 encoder)	16 + 1 (ch 0 encoder)
Video output methods	RTSP over TCP, RTSP over Websocket	
Alarm input	4 ch	
Alarm output	4 ch	
USB	2xUSB2.0, 1XUSB3.0	
RS-485	1	
TOPS	72TOPS@int4, 18 TOPS@int8	
LAN	2x 10 / 100 / 1000Mbps	2x 10 / 100 / 1000Mbps
Control	Yes	
Cooling fan	No fan	
Power supply	12V / 3A adapter	
Power consumption	max 30W	max 30W
Temperature	-30°C ~ 85°C	
Humidity	10 ~ 90% NC	
Dimensions	220x140x38mm	
Weight	1.8kg	
Certifications	CE, FCC	





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Dynacom AI Box Video Analytics		
AI Engine	Detection	Deep learning-based Object Detection and Classification Human, Car, Bicycle and other objects, Special camera support, Thermal (Human only), Fisheye (Human only)
	Tracking	Multiple object tracking
	Recognition	Face detection and recognition License Plate Recognition System (Licensed)
	Behavioral analysis	Fall detection, etc.
Event Trigger	Behavioral detection-based triggering	Unauthorized Entry, Occupancy, Dwelling, Entry/Exit, Line Crossing, Stopping, Redirection, etc
	Counting-based triggering	Object counting (Line, zone, queue (occupancy)), Event counting
	System triggering	Alarm Input, Recurrence
	Recognition-based triggering	Face recognition, License Plate Recognition
	False alarm triggering	Yes
	Triggering based on other scenarios	Yes
Event Action	Network-based action	ONVIF, HTTP, TCP, E-mail, FTP, VMS, NVR/DVR
	System-based action	Relay out, RS485, disarm, video popup
	Annotated video stream	Video popup on channel 0 in multi-monitoring
	Pre/Post screen recording	Yes
Analytics Reports	Counting report	Number of objects in the area (Human, vehicle, bicycle, etc.), Number of line crossings (Line crossing, entry, exit) event counting
	Visitor report (requires a license)	Face recognition-based reporting
	Queue management report (requires a license)	Queue length, average queue time
	Heat map report (requires a license)	Yes
	Tracking path map report (requires a license)	Yes
UI	Web UI	HTML5 Web UI (No plugin required)

