

ioi box trk10 & trk10d

Intelligent Video Encoders



The trk10 and trk10d add video analytics capabilities to standard surveillance cameras turning them into powerful real time active detectors.

The trk10 and trk10d analyze the connected video input to alarm and notify of people, vehicles and objects that cross a perimeter, enter a pre-defined region, are left behind, or are removed from a scene. Users can define what and the perimeter to detect with customizable rules and criteria.

For sites with Pan/Tilt/Zoom (PTZ) cameras, once a moving object has been detected, the object can be tracked autonomously as the unit controls and moves the PTZ camera to track and zoom in on the threat.

The trk10 and trk10d are small and self-sustained HW devices that do not rely on additional components for video analysis.

As part of the ioimage intelligent video encoders (ioibox) series, the trk10 and 10d feature both analog and IP streaming (MPEG-4) video outputs, enabling hybrid connectivity to both legacy and network based (IP) CCTV networks.

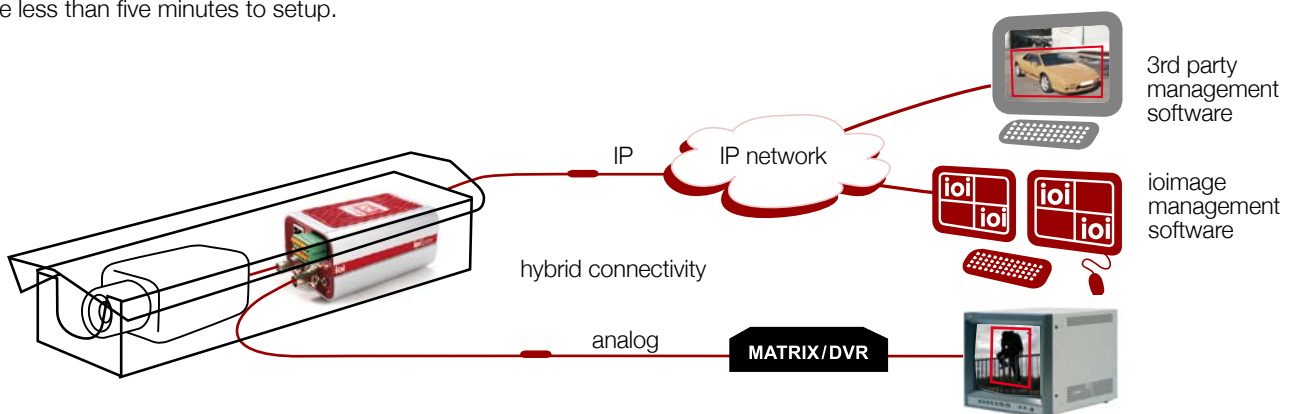
The units can be configured via a standard web browser and take less than five minutes to setup.

Features

- Fully integrated and self-sustained video analysis and encoding appliance – no need for additional HW/SW
- Real time video analysis (DSP based)
- High probability of detection, low false alarm rate
- 5 minutes setup process
- Multiple detection rules
- Autonomous PTZ tracking
- Automatic actions can be triggered upon detection
- Integrated scheduler
- Integrated HTTP Server for live view and configuration
- Hybrid video output (Analog & IP streaming MPEG-4)
- Integrates with existing analog cameras (stationary or PTZ) for retrofitting existing installations
- Supports B/W, color, IR and thermal cameras (PAL/NTSC)

Detection Types:

- Intrusion Detection:
 - Regional Entrance
 - Tripwire
 - Fence Trespassing
- Unattended Baggage Detection
- Object Removal Detection
- Stopped Vehicle Detection
- Loitering
- Autonomous PTZ Tracking



ioi box trk10 & 10d Specifications

	trk10	trk10d
Channels		
Input Channels	1	1
Analog Video Input		
TV Standard	Composite NTSC or PAL	
Physical Connector	1x BNC 75Ω	
Analog Video Output		
TV Standard	Composite 1Vp-p – NTSC or PAL	
Physical Connector	1x BNC 75Ω	
Digital Video Output		
IP Video Streaming	MPEG4 SP	
Max Resolution per Channel	CIF	4CIF
Frame Rate	Up to Full Frame Rate	
Bit Rate	CBR (128Kbps – 4Mbps)	
Network		
Ethernet (IEEE 802.3/802.3U)	1x RJ-45 Interface	
Services and Protocols	TCP/IP, UDP/IP, HTTP, SMTP, DHCP, DNS, SNTP	
Video Streaming	RTP/RTSP	
Alarms/Commands	TCP/IP	
I/O Interface		
Serial (one interface per input channel for PTZ camera control)	1x RS-232+1x RS-485	
Alarm Input	1x Dry Contacts	
Relay Output	1x Relay Output (rated load 0.3A@125VAC/1A@30VDC)	
Power Source		
Voltage	12VDC, 24VAC	
Power over Ethernet (PoE)	Supported (IEEE 802.3af standard)	
Power Consumption	5W	7W
Physical Dimensions		
Dimensions (mm)	75 x 55 x 118 mm (WxHxD)	
Dimensions (inches)	2 15/16" x 2 5/32" x 4 5/8" (WxHxD)	
Mounting	Camera Housing	
Environmental Specifications		
Operating Temperature	0° to 50° C	
Operating Humidity	5% to 95% (Non-Condensing)	
Certifications		
Safety	UL, CE	
Electromagnetic Interference (EMC)	FCC Part 15 Subpart B, Class A CE - Class A	