

# ioi box trk10d

## Intelligent Video Encoders



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

The 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 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 trk10d feature both analog and IP streaming video outputs, enabling hybrid connectivity to both legacy and network based (IP) CCTV networks.

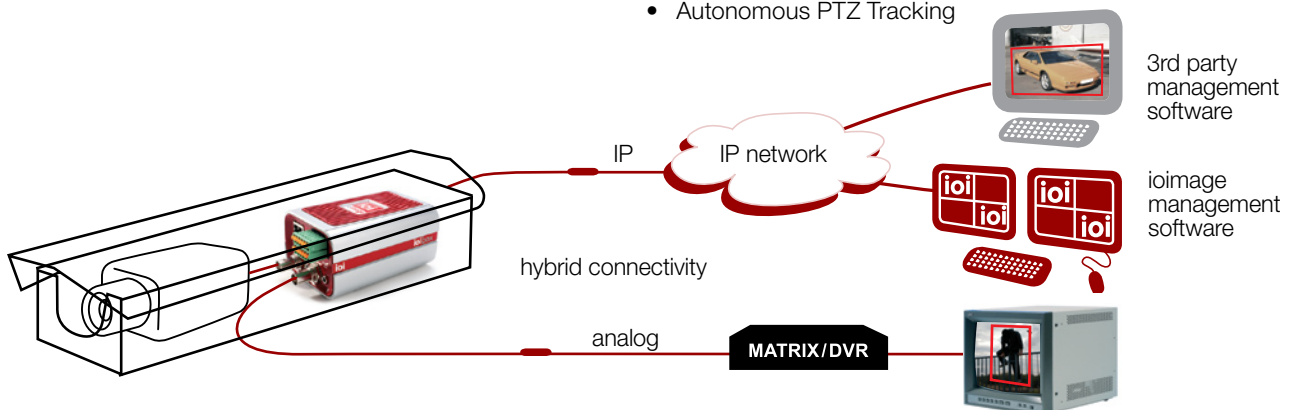
The units can be configured via a standard web browser and take less than five minutes to setup.

### 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)
- 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 Detection
- Camera Tampering Detection
- Autonomous PTZ Tracking



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## Specifications

	trk10d
<b>Channels</b>	
Input Channels	1
<b>Analog Video Input</b>	
TV Standard	Composite 1Vp-p NTSC or PAL
Physical Connector	1x BNC 75 $\Omega$
<b>Analog Video Output</b>	
TV Standard	Composite 1Vp-p – NTSC or PAL
Physical Connector	1x BNC 75 $\Omega$
<b>Digital Video Output</b>	
IP Video Streaming	MPEG-4 SP and M-JPEG, Two separate, independent and configurable video streams
Max Resolution per Channel	4CIF
Frame Rate	Up to Full Frame Rate
Bit Rate	CBR (128Kbps – 4Mbps), VBR
<b>Network</b>	
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
<b>I/O Interface</b>	
Serial (one interface per input channel for PTZ camera control)	1x RS-232+1x RS-485
IN - Alarm Input	1 x Alarm inputs (from Dry Contacts)
OUT - Relay Output	1x Relay Output (rated load 1A@30VDC)
<b>Power Source</b>	
Voltage	12VDC, 24VAC
Power over Ethernet (PoE)	Supported (IEEE 802.3af standard)
Power Consumption	7W
<b>Physical Dimensions</b>	
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
<b>Environmental Specifications</b>	
Operating Temperature	0° to 50° C
Operating Humidity	5% to 95% (Non-Condensing)
<b>Certifications</b>	
Safety	CE, TUV
Electromagnetic Interference (EMC)	FCC part 15, subpart B, Class A