



ioi box trk8000

Intelligent Video Encoder

The trk8000 adds video analytics capabilities to standard surveillance cameras turning them into powerful real time active detectors.

The trk8000 analyzes 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 trk8000 is a rack mount self-sustained device which supports eight video channels and does not rely on additional components for video analysis.

As part of the ioimage intelligent video encoders (ioibox) series, the trk8000 features both analog and IP streaming (MPEG-4) video outputs, enabling hybrid connectivity to both legacy and network based (IP) CCTV networks.

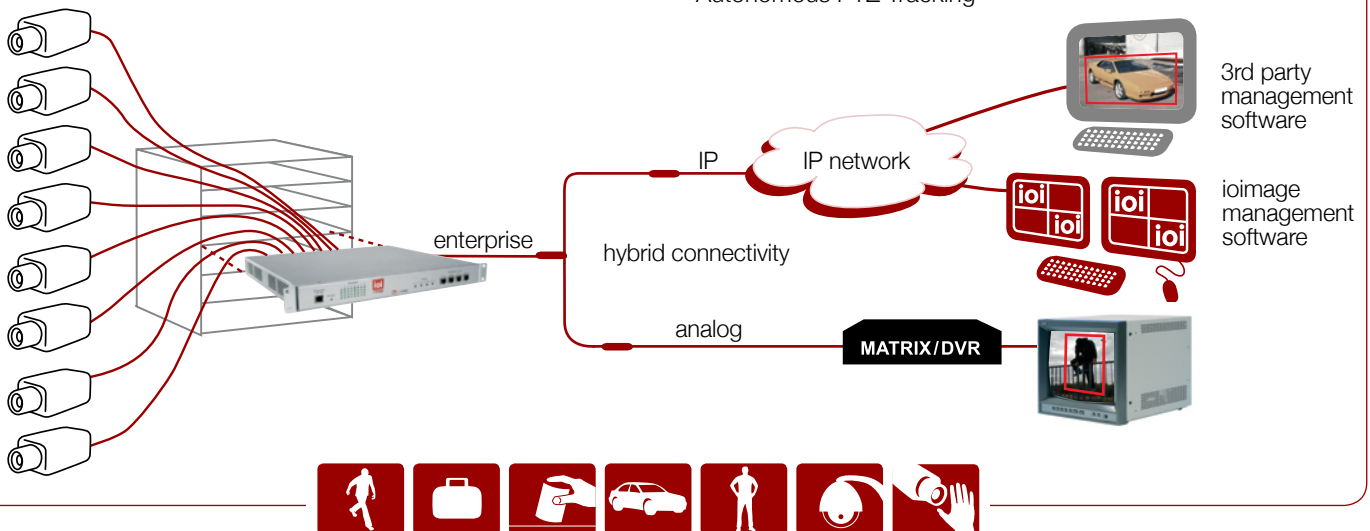
The unit can be configured via a standard web browser and take less than five minutes to setup.

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 Detection
- Camera Tampering Detection
- Autonomous PTZ Tracking



ioi box trk8000 Specifications

trk8000	
Channels	
Number of Intelligent Video Analysis Channels	8
Analog Video Inputs	
TV Standard	Composite 1Vp-p – NTSC or PAL
Physical Connector	8x BNC 75Ω
Analog Video Outputs	
TV Standard	Composite 1Vp-p – NTSC or PAL
Physical Connector	8x BNC 75Ω
Digital Video Output	
IP Video Streaming	MPEG-4 SP, M-JPEG
Max Resolution per Channel	CIF
Frame Rate	Up to Full Frame Rate
Bit Rate	CBR (128Kbps – 4Mbps), VBR
Network	
Ethernet (IEEE 802.3/802.3U)	2x RJ-45 Interface
Services and Protocols	TCP/IP, UDP/IP, HTTP, SMTP, DHCP, DNS, SNMP
Video Streaming	RTP/RTSP
Alarms/Commands	TCP/IP
I/O Interface	
Serial (one interface per input channel for PTZ camera control)	8x RS-232 + 4x RS-485
IN - Alarm Input	8 x Alarm inputs (from Dry Contacts)
OUT - Relay Output	8 x Relay Outputs (rated load 1A@30VDC)
Power Source	
Voltage	110 / 220 VAC
Power Consumption	36.5W
Physical Dimensions	
Dimensions (mm)	433 (482) x 44 x 395 mm (WxHxD)
Dimensions (inches)	17 1/32" (19") x 1 23/32" x 15 17/32" (WxHxD)
Mounting	19" Rack Mount
Environmental Specifications	
Operating Temperature	0° to 50° C
Operating Humidity	5% to 95% (Non-Condensing)
Certifications	
Safety	CE, TUV, S-MARK
Electromagnetic Interference (EMC)	FCC part 15, subpart B, Class A