

ioi box trk1

Intelligent Video Encoder



The trk1 adds video analytics capabilities to standard surveillance cameras turning them into powerful real time active detectors.

The trk1 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.

The trk1 is a small and self-sustained HW device that does not rely on additional components for video analysis.

As part of the ioimage intelligent video encoders (ioibox) series, the trk1 features both analog and IP streaming (MPEG-4) video outputs, enabling hybrid connectivity to both legacy and network based (IP) CCTV networks.

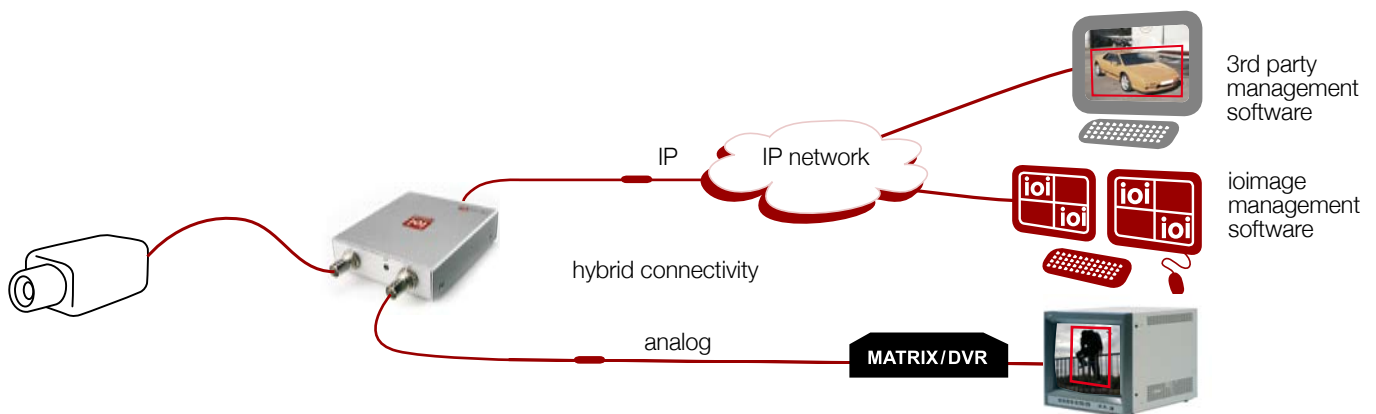
The unit can be configured via a standard web browser and takes less than five minutes to setup.

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
- 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) for retrofitting existing installations
- Supports B/W, color, IR and thermal cameras (PAL/NTSC)

Detection Types:

- Intrusion Detection:
 - Regional Entrance
 - Tripwire
 - Fence Trespassing



ioi box trk1 Specifications

	trk1
Channels	
Number of Intelligent Video Analysis Channels	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
Frame Rate	Up to Full Frame Rate
Bit Rate	CBR (128Kbps – 4Mbps)
Network	
Ethernet (IEEE 802.3/802.3U)	1x Ethernet 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 - RS-232 / RS-485	None
Alarm Input	1x Dry Contacts
Relay Output	1x Relay Output (rated load 0.3A@125VAC/1A@30VDC)
Power Source	
Voltage	12VDC
Power over Ethernet (PoE)	Supported (IEEE 802.3af)
Power Consumption	5W
Physical Dimensions	
Dimensions (mm)	88 x 26 x 130 mm (WxHxD)
Dimensions (inches)	3 7/16" x1" x 5 3/32" (WxHxD)
Mounting	Camera Housing/Shelf
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