



The trk4000d is a four-channel, dual-stream encoder that adds video analytic capabilities to standard surveillance cameras, turning them into powerful, real-time video detection devices.

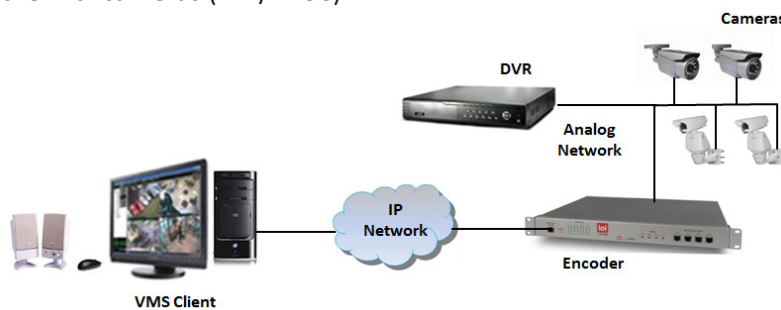
The trk4000d analyzes the captured video signal to send alarms and notify of people, vehicles and objects that cross a perimeter, enter a pre-defined region, are left behind, or are removed from a scene. Users can set customizable rules and criteria to define the perimeter and what to detect. For sites with Pan/Tilt/Zoom (PTZ) cameras, once a moving object has been detected, the unit controls and moves the PTZ camera, which tracks and zooms in on the threat.

Part of the ioibox intelligent video encoder series, the trk4000d features analog and IP streaming video outputs, which enable hybrid connectivity to both legacy and IP-based CCTV networks. The rack-mounted unit supports four video channels and does not rely on additional components for video analysis.

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

Key Features

- Fully integrated and self-contained video analysis and encoding - no additional hardware or software required
- DSP-based real-time video analysis
- High probability of detection, low false alarm rate
- Five-minute setup time
- Multiple detection rules
- Autonomous PTZ tracking
- Automatic actions can be triggered upon detection
- Integrated scheduler
- Hybrid video output (analog and 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 object tracking



Specifications

Channels	
Number of Intelligent Video Analysis Channels	4
Analog Video Input	
TV Standard	Composite 1Vp-p – NTSC or PAL
Physical Connector	4x BNC 75Ω
Analog Video Output	
TV Standard	Composite 1Vp-p – NTSC or PAL
Physical Connector	4x BNC 75Ω
Digital Video Output	
IP Video Streaming	MJPEG and MPEG-4 SP (Two separate, independent, configurable video streams per channel)
Maximum Resolution per Channel	Channel 1: 4CIF Channel 2: CIF
Frame Rate	Up to full frame rate
Bit Rate	CBR (128Kbps – 4Mbps), VBR
Network	
Ethernet (IEEE 802.3/802.3u)	1x RJ45 interface
Services and Protocols	TCP/IP, UDP/IP, HTTP, SMTP, DHCP, DNS, SNTP
Video Streaming	RTP/RTSP
Alarms/Commands	TCP/IP, HTTP
I/O Interface	
Serial (May use one interface per input channel for PTZ camera control)	8x RS-232 and 4x RS-485
In - Alarm Input	4x dry contacts
Out - Relay Output	4x relays out
Power Source	
Voltage	110/220VAC
Power Consumption	36.5W
Physical Dimensions	
Dimensions (mm)	433 (482) x 44 x 395 mm (W x H x D)
Dimensions (inches)	17-1/32 (19") x 1-23/32 x 15-17/32" (W x H x D)
Mounting	19" Rack Mount
Environmental Specifications	
Operating Temperature	0° to 50°C (32° to 122°F)
Operating Humidity	5% to 95% (non-condensing)
Certifications	
Safety	UL, CE
Electromagnetic Interference (EMC)	FCC 47 CFR Part 15, Subpart B, Class A; CE Class A
Environmental	RoHS