ioimage
by dvtel

TRK-101-P PTZ Tracker

Single-Channel H.264 IP Video Analytic Encoder for Analog PTZ Cameras

The TRK-101-P PTZ Tracker is a small, self-contained video encoder that does not rely on additional components for video analysis.

The PTZ Tracker analyzes the captured video signal to send alarms and notify of people, vehicles and objects that cross a perimeter line, 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 to autonomously track and zoom in on the threat.
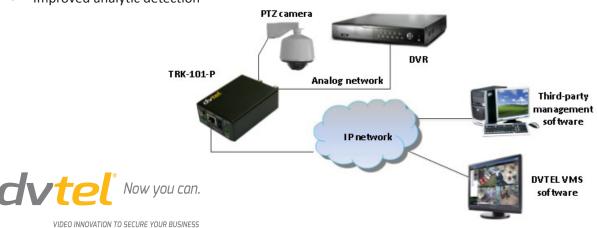
Part of the ioimage intelligent video encoder series, the PTZ Tracker features analog and IP streaming video outputs (H.264, MPEG-4 SP and MJPEG), which enable hybrid connectivity to both legacy and IP-based CCTV networks. The unit can be configured via a standard web browser and takes less than five minutes to setup.

Key Features

- Fully integrated video analysis and encoding hardware/software solution
- DSP-based real-time video analysis
- High probability of detection, low false alarm rate
- Up to five simultaneous intrusion detection rules
- Hybrid video output (analog and IP streaming)
- Integrates with existing analog PTZ cameras for retrofitting existing installations
- Supports black & white, color, IR and thermal cameras (PAL/NTSC)
- Automatic actions can be triggered upon detection

New Features

- Storage on the Edge (SoE) with remote backup
- Site Viewer for accessing remote units over the web for live and SoE playback
- Port forwarding for remote unit setup
- H.264 decoding enables integration with existing Quasar cameras
- MTU setup for encrypted networks
- Batch Solo Setup recording for multiple cameras
- Improved analytic detection

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

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Specifications

Channels	
Number of Intelligent Video Analysis Channels	1

Analog Video Output	
TV Standard	Composite 1Vp-p – NTSC or PAL
Physical Connector	1x BNC 75Ω

Digital Encoding					
IP Video Streaming	H.264, MPEG-4 SP, MJPEG				
H.264 Frame Rate (PAL/NTSC)	D1 12/15 FPS	4CIF 12/15 FPS	VGA 18 FPS	2CIF 25/30 FPS	CIF 25/30 FPS
MPEG-4 SP Frame Rate (PAL/NTSC)	Up to 25/30 FPS for all resolutions				
Bit Rate	CBR (128Kbps – 4Mbps), VBR				
Storage on the Edge	3,800Mb event recording				

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
Browsers	Internet Explorer 8, 9, 10, and 11
Operating System	Windows XP, 7, 8, and 8.1

I/O Interface	
Serial	1x RS-485 (for PTZ camera control)
IN - Alarm Input	1x dry contact
OUT - Relay Output	1x relay output (rated load 0.3A@12VDC; 1A@30VDC; 0.25A@24VAC, 50/60Hz)

Power Source	
Voltage	12VDC (+/-10%), 24VAC
Power Consumption	DC: 3.6W, AC: 6W

Physical Dimensions	
Dimensions (mm)	68.5 x 36 x 118mm (W x H x D)
Dimensions (inches)	2.7 x 1.42 x 4.61" (W x H x D)
Mounting	Shelf/optional rack-mounting (single-unit or multiple-unit accessory)

Environmental Specifications	
Operating Temperature	0° to 60°C (32° to 140°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