FLIR ioi™

Turning your FLIR thermal and HD cameras to intelligent ioi devices

THE TRK-101 IS A SELF-CONTAINED SINGLE CHANNEL H.264 VIDEO ANALYTICS ENCODER.

The TRK-101 analyzes captured video signals to send alarm notifications of people, vehicles and objects that cross a perimeter line, enter a pre-defined region, are left behind or removed from a scene. Users can set customized rules and criteria to define the perimeter and what to detect.

Part of the ioi intelligent video encoder series, the TRK-101 has both analog and IP streaming video outputs (H.264, MPEG-4 SP and MJPEG) that enable hybrid connectivity to both legacy and IP-based CCTV networks. The unit can be configured through a standard web browser and set-up within five minutes.

Key Features

- Fully integrated video analysis and encoding hardware/software solution
- Automatic calibration and remote setup
- Storage on the Edge (SoE) with remote backup
- Up to five simultaneous intrusion detection rules
- Hybrid video output (analog and IP streaming)
- Site Viewer for accessing remote units over the web for live and SoE playback
- MTU setup for encrypted networks

Camera Support

- FLIR thermal cameras:

    F-Series, FC-Series (R, S, and ID models) and TCX Series

- FLIR Quasar cameras
- Leading 3rd party cameras

Detection Types

- Intrusion:
    – PTZ target hand-off
    – Regional entrance
    – Tripwire
    – Fence trespassing
- Unattended baggage
- Object removal
- Stopped vehicle
- Loitering
- Camera tampering

FLIR® | The World's Sixth Sense®

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)	1 x 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, 10				
I/O Interface					
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)				
Regulatory					
Safety	UL, CE				
Electromagnetic Interference	(EMC) FCC 47 CFR Part 15, Subpart B, Class A; CE Class A				
Environmental	RoHS				

www.flir.com

FLIR® | The World's Sixth Sense®