FLIR Triton™ F-Series ID

The FLIR Triton™ F-Series ID thermal security cameras set the new standard for perimeter protection for critical infrastructure. The Triton F-Series ID features best-in-class thermal imaging detail and high-performance onboard analytics for classifying human or vehicular intrusions. F-Series ID premium thermal cameras offers seven models with full 640 × 480 thermal resolution, longer detection ranges, and better analytics performance than ever before.

www.flir.com/security
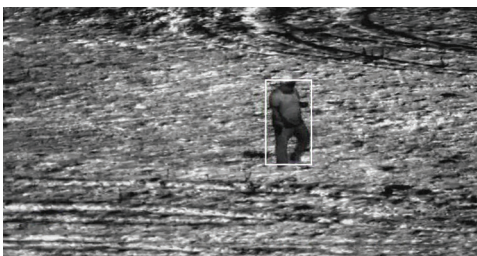
RELIABLE ONBOARD ANALYTICS

Triton F-Series ID classifies human and vehicle intrusions, and hands-off targets to autonomous PTZ tracking cameras.

- Reliable intrusion detection
- Low false alarm rate
- Operates in harsh weather conditions

SHARPER THERMAL IMAGES

The F-Series ID creates greater thermal scene detail, improving threat detection and alarm assessment from greater distances.

- Clear vision in any lighting condition
- Detection through rain, light fog, and smoke
- 24/7 intrusion detection for enterprise and industrial applications

PLUG-AND-PLAY INTEGRATION

Using open IP standards, the F-Series ID is ONVIF-compliant and streams digital video in H.264 and M-JPEG formats.

- Simultaneous IP and analog video outputs
- Integrates into existing analog systems
- Migrates to future security infrastructures

SPECIFICATIONS

Model	F-6XX ID
Array Format	640 × 480
Detector Type	Long-Life, Uncooled VOx Microbolometer
Spectral Range	7.5 µm to 13.5 µm
Effective Resolution	307,200
Pixel Pitch	17 µm
Thermal Frame Rate	NTSC: 30 Hz PAL: 25 Hz / 8.3 Hz

Optical Characteristics	Model	FOV	Focal Length, F#
	F-644 ID	44°×36°	13 mm, f/1.0
	F-625 ID	25°×18°	25 mm, f/1.1
	F-617 ID	17°×14°	35 mm, f/1.1
	F-612 ID	12°×10°	50 mm, f/1.2
	F-610 ID	10°×8°	65mm, f/1.25
	F-608 ID	8.6°×6.6°	75 mm, f/1.1
	F-606 ID	6.2°×5°	100 mm, f/1.6

E-Zoom	4x continuous E-Zoom
Focus	Athermalized, Focus-Free
Sensitivity	<35 mK @ 25ºC F# 1.0

Video

Composite Video NTSC or PAL	Yes: IP & Analog
Analog Video Output Composite	1Vp-p (PAL or NTSC), 1 × BNC 75Ω
Video Compression	Two independent channels of H.264 & M-JPEG
Streaming Resolution	QVGA to VGA
Thermal AGC ModesFeatures	Auto AGC / Sharpness (Digital Detail Enhancement (DDE)) / Sensitivity / Brightness / Contrast
Thermal AGC Region of Interest (ROI)	Default, Presets and User definable to insure optimal image quality on subjects of interest
Analytics Management	Web-based confguration and management
Analytics Features	Region Entrance/Intrusion Detection, Crossover/Fence Trespassing, Auto/Manual Depth Setup, Human and Vehicle Rules, Hand-off target to PTZ tracking, Tampering, Rule Dependency
Image Uniformity Optimization	Automatic Flat Field Correction (FFC) - Thermal and Temporal Triggers

System Integration

Ethernet	10/100 Mbps
Control Input/Output	1× Dry Contact in; 1× Relay Out (rated load 0.09A@ 5VDC)
Network APIs	FLIR SDK, FLIR CGI, ONVIF Profile S

Network

Supported Protocols	IPV4, HTTP, UPnP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, NFS, SAMBA, HTTPS

Physical

Weight	9.55lb (4.4kg)
Dimensions (L, W, H)	18.1" × 5.5" × 6.3" (460 × 140 × 160 mm)

Electrical

Input Voltage	24 VDC (21-30 VDC), 24 VAC (21-30 VAC)
Power Consumption	24 VAC:15 VA (max w/o heaters), 51 VA (max w/heaters) 24 VDC:10 W (max w/o heaters), 46 W (max w/heaters)

Environmental

IP Rating (Dust & Water Ingress)	IP66
Operating Temperature Range	-40°C to 70°C / -40° F to 158°F cold start
Storage Temperature Range	-55° to 85°C / -67° F to 185° F
Humidity	0-95% relative
Shock	MIL-STD-810F "Transportation"
Vibe	IEC 60068-2-27
De-Icing / Anti-Icing	MIL-STD-810F, Method 521.1; De-Icing of 3/6mm model dependent

Warranty & Regulatory

Compliance & Certifications	FCC Part 15 (Subpart B, class A) CE Marked RoHS IP66 ONVIF Profile S WEEE
Warranty	Camera: 3 Years Sensor: 10 Years

Cyber Security

IEEE 802.1x
TLS/HTTPS
User authentication

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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