



THERMAL SECURITY CAMERA WITH ONBOARD ANALYTICS

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 five 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
- Cost-effective perimeter protection
- 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
- IP and serial control interfaces
- 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-608 ID | 8.6°×6.6° | 75 mm, f/1.1 |
| E-Zoom | 4x continuous E-Zoom | | |
| Focus | Athermalized, Focus-Free | | |
| Sensitivity | <35 mK @ 25°C 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 Modes/Features | 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 configuration 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 | | |

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|---------------------|---|
| Network | |
| Supported Protocols | IPv4, HTTP, UPnP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, NFS, SAMBA, HTTPS |

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

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| 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) |

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| 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 |

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| 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 |

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

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