



F-Series ID

FLIR F-SERIES ID

Thermal Security Camera with Onboard Analytics

The F-Series ID is FLIR's premium line of perimeter protection thermal security cameras. F-Series ID cameras define the new standard of perimeter protection for critical infrastructure. Five models provide full 640 × 480 thermal resolution, longer detection ranges, and better analytics performance than ever before. The F-Series ID features best-in-class thermal image detail and high-performance onboard analytics in a single device that is easy to set-up. Capable of classifying human or vehicular intrusions, the F-Series ID delivers optimal intrusion detection in challenging environments and extreme conditions with fewer false alarms.

RELIABLE ONBOARD ANALYTICS

The F-Series ID accurately classifies humans and vehicles

- Auto calibration results in a simple and reliable configuration, requiring only a single installer on site with no additional measurement tools
- Capable of specifying up to four areas, four tripwires, and multiple masking regions in parallel
- Target hand-off to PTZ camera auto-tracking

CRISP THERMAL IMAGES WITH WIDE FIELDS OF VIEW

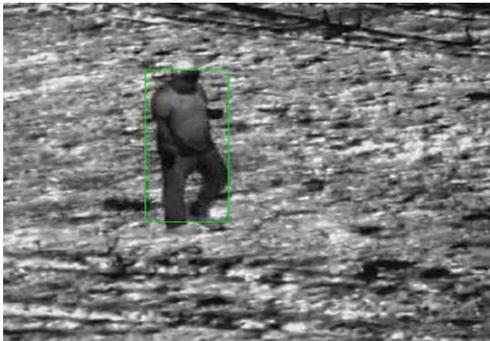
Detailed thermal images improve threat detection and alarm assessment at greater distances

- Superior image quality in low-contrast conditions
- FLIR's custom AGCs produce extremely high contrast
- Digital Detail Enhancement (DDE) creates sharp edges that improve performance of analytics

PLUG-AND-PLAY

Integrates with major 3rd party VMS platforms and technologies

- Exchangeable camera cassettes allow for quick upgrade or repair of sensors and optics
- Open IP standards for plug-and-play integration; ONVIF compliant
- H.264 and M-JPEG streaming



Specifications

Model		F-6XX ID	
Array Format	640 x 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	F#, Focal Length
	F-644 ID	44°x36°	13 mm, f/1.0
	F-625 ID	25°x18°	25 mm, f/1.1
	F-617 ID	17°x14°	35 mm, f/1.1
	F-612 ID	12°x10°	50 mm, f/1.2
	F-608 ID	8.6°x6.6°	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 x BNC 75Ω		
Video Compression	Two independent channels of H.264 & M-JPEG		
Streaming Resolution	QVGA to VGA		
Thermal AGC Modes/Features	Auto AGC / Digital Detail Enhancement (DDE) / Sensitivity / Brightness / Contrast / Sharpness		
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		
Image Uniformity Optimization	Automatic Flat Field Correction (FFC) - Thermal and Temporal Triggers		
System Integration			
Ethernet	10/100 Mbps		
Control Input/Output	1x Dry Contact in; 1x 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		
Physical			
Weight	9.55lb (4.4kg)		
Dimensions (L, W, H)	18.1" x 5.5" x 6.3" (460 x 140 x 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

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