



FB-Series ID

# FLIR **FB-SERIES ID**

## Thermal Analytics Security Camera

The FB-Series ID combines best-in-class thermal image detail and high-performance onboard video analytics in a single, and affordable bullet-type form factor that is ideal for perimeter intrusion detection. FB-Series ID cameras feature on-board video analytics capable of classifying human or vehicular intrusions, making them an ideal choice for monitoring commercial and industrial perimeters. Easy to set up, FB-Series ID cameras provide reliable detection & classification with very few false alarms rates without human intervention. Equipped with FLIR's award-winning thermal technology, FB-Series ID is designed to deal with challenging environments or bad weather, and can operate in complete darkness.

### **Affordable, best-in-class intrusion detection with onboard analytics**

*FLIR's premier thermal security solution for any sized system*

- Reliable on-board analytics with a low false-alarm rate, capable of human and vehicle classification, and target hand-off to an autonomous PTZ tracking camera
- Multiple lens options offer flexible coverage of fence lines and building perimeters
- The FB-Series ID's high contrast thermal imaging is ideal for use with analytics

### **"Plug and Play" integration**

*Easily integrates into new or existing video management systems*

- The FB-Series ID is fully integrated and certified by 3rd party video management systems
- FLIR United VMS enables such features as thermal and video analytic configuration and alarm management
- FB-Series ID offers IP and analog outputs for easy deployment with current or legacy systems

### **Industry-leading performance and reliability**

*Delivers superior thermal imaging, with the industry's most extensive warranty*

- Powered by FLIR thermal technology, the most deployed for perimeter protection
- Custom AGC's and Digital Detail Enhancement (DDE) improve image contrast in all scenes
- FLIR offers an unmatched 10/3 warranty (10 years for the thermal sensor, 3 for the camera)

# Specifications

Image					
Array Format (NTSC)	320 x 240				
Detector Type	Long-Life, Uncooled VOx Microbolometer				
Effective resolution	76,800 pixels				
Thermal frame rate	NTSC: 30 Hz PAL: 25 Hz				
Optics	Model	FOV	F#	Focal Length	Pixel Pitch
	FB-393 ID	93°	F1.3	3.7mm	17um
	FB-349 ID	49°	F1.3	6.8mm	17um
	FB-324 ID	24°	F1.0	12.8mm	17um
	FB-312 ID	12°	F1.0	18mm	12um
FB-309 ID	9°	F1.0	24mm	12um	
Spectral Range	8 μm to 14 μm				
Focus Range	Athermalized, focus-free				
Sensitivity	<50mK				
Thermal Image Settings	Auto AGC, Dynamic Detail Enhancement (DDE), Brightness, Sharpness, Contrast				
Thermal AGC Region of Interest (ROI)	Default, Presets and User Defined for optimal image quality of subjects of interest				
Image Uniformity Optimization	Automatic Flat Field Correction (FFC) - Thermal and Temporal triggers				
Video					
Composite Video (NTSC or PAL)	Hybrid system with IP & analog video				
Digital Video Compression	Two independent channels of H.264 and MJPEG				
Streaming Resolution PAL/NTSC	Native: 320x256				
Analytics Management	Web-based configuration and management, Masking of analytic detection areas, adjustable sensitivity, automatic responses, remote I/O control				
Analytics Features	Region Entrance/Intrusion Detection, Crossover/Fence Trespassing; Auto/Manual Depth Setup, Human and Vehicle Rules, Hand-off target to autonomous PTZ tracking, Tampering Detection				
System Integration					
Ethernet	10/100 Mbps				
External Analytics Compatible	Yes				
Network Protocols	IPV4, HTTP, Bonjour, UPnP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP				
Network APIs	Nexus SDK for comprehensive system control and integration; Nexus CGI for http command interfaces; ONVIF Profile S				
General					
Dimensions (L, W, H)	285 x 96 x 94 mm/11.1" x 3.8" x 3.7" With sunshield and fully extended mounting arm				
Dry Contacts (I/O)	Input: 1 relay contact Output: 1 relay contact, 300V AC / DC at 130 mA max connection terminal block				
Input Voltage	12 VDC 24VAC PoE				
Power Consumption	12 VDC: 17 W (maximum with heaters) 24VAC : 13 VA (maximum with heaters) 24VDC : 13 W (maximum with heaters) PoE: 13 W				
Environmental					
IP Rating (Dust & Water Ingress)	IP66				
Operating Temperature Range	-40° to 50° C (-40° to 122° F) Cold Start				
Storage Temperature Range	-40° to 70° C (-40° to 158° F)				
Humidity	10%-90% relative humidity				
Regulatory	FCC Part 15 (Subpart B, Class A), CE marked, EN55032, EN55024, RoHS, WEEE				

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