



FB-Series

FLIR **FB-SERIES**

Affordable thermal camera for wide area intrusion

The FLIR FB-Series line of cameras introduces thermal image detail in a bullet-type form factor, ideal for wide area intrusion detection. Combined with external video analytics the FB-Series cameras are an ideal choice for sterile-zone monitoring at short-to-medium range distances. Equipped with FLIR's award-winning thermal technology, FB-Series is designed to deal with challenging environments or bad weather, and can operate in complete darkness.

COMPLETE INTRUSION DETECTION SOLUTION

Bundling options with other FLIR intrusion detection components

- Coupled with FLIR's TRK Video Analytics encoders, FB-Series cameras feature sophisticated Auto calibration of depth setup, for a simple and reliable configuration. No additional measurement tools are needed, requiring only a single installer on site
- Allows analytics in corridor mode, reducing the number of cameras and improving the total cost of ownership
- Target hand-off to PTZ camera auto-tracking

INDUSTRY-LEADING IMAGE QUALITY

Crisp, Clean Imagery for Unmatched Video Analytics Performance & Reliability

- Superior image quality in low-contrast conditions
- FLIR's custom AGCs provide unmatched image contrast
- Dynamic Detail Enhancement (DDE) creates sharp edges and contrast that improve analytics performance

EXPANDED SELECTION OF HIGH-PERFORMANCE LENSES

Wide Variety of Lenses for Optimal Detection Ranges in All Conditions

- Choose lenses from 44 degrees (13mm) to 8 (VGA) / 4 (QVGA) degrees (75mm), suitable for any perimeter or open area
- High performance optics deliver crisp, clean thermal video
- Optional deicing for use in the most demanding installations
- High analytic ranges to reduce number of cameras and total cost of ownership (TCO)

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-O	93°	F1.3	3.7mm	17um
	FB-349-O	49°	F1.3	6.8mm	17um
	FB-324-O	24°	F1.0	12.8mm	17um
	FB-312 O	12°	F1.0	18mm	12um
	FB-309 O	9°	F1.0	24mm	12um
Spectral Range	8 μm to 14 μm				
Focus Range	Athermalized, focus-free				
Sensitivity	<50mK				
Thermal AGC Modes	Auto, Manual, Plateau Equalization, Linear, Auto Dynamic Detail Enhancement (DDE)				
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	D1: 720x576 / 720x480 , 4CIF: 704x576 / 704x480 , VGA: 640x480, CIF: 352x288 / 352x240, QVGA: 320x240				
Network					
Ethernet	10/100 Mbps				
External Analytics Compatible	Yes				
Network Protocols	IPv4, HTTP, Bonjour, UPnP, DNS, NTP, RTCP, TCP, UDP, ICMP, IGMP, DHCP, ARP, SCP, RTP/RTSP				
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, 30 VDC at 2A or 125 VAC at 0.5A max connection terminal block				
Internal storage	SD Card - SDXC 32 GB				
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°C to 50°C Cold Start				
Storage Temperature Range	-20°C to 70°C				
Humidity	10%-90% relative humidity				
De-Fogging	Yes				
Regulatory	UL, FCC Part 15 (Subpart B, Class A), CE marked, EN55032-1998 class A, EN55024, RoHS, WEEE				

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