



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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