TRANS AUDIO VIDEO GROUP

FLIR FB-Series O

Affordable thermal camera for wide area instruction detection.

The FLIR FB-Series O cameras introduce thermal image detail in a bullet-type form factor, ideal for wide area intrusion detection. Combined with external video analytics the FB-Series O is an ideal choice for intrusion detection and sterile-zone monitoring, at short to medium range distances. Implemented with FLIR's award-winning thermal technology, FB-Series O is designed to handle challenging environments, harsh weather conditions 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 O cameras are powerful intrusion detection devices, capable of classifying humans and vehicles, detecting targets in various scenarios and conditions and handing off targets to FLIR PT and PTZ cameras for autonomous PTZ tracking. Bundling FB-Series O with TRK encoders is accomplished through IP-based connection without requiring analog cabling.
- FB-Series O cameras are seamlessly integrated with FLIR's United VMS line of products, introducing a set of features and capabilities such as thermal configuration and alarm management with emphasis on simplicity, reliability and flawless user experience
- FB-Series O cameras are ideal for integration with third-party video analytics and video management software. FLIR offers dedicated integration support to customers that are looking to build their own solutions around FLIR thermal cameras.

INDUSTRY-LEADING IMAGE QUALITY

Crisp, Clean Imagery for Unmatched Video Analytics Performance & Reliability

- Superior image quality in low-contrast conditions
- FLIR's advanced AGC provides unmatched image contrast in all scene conditions
- Digital Detail Enhancement (DDE) creates sharp edges and contrast that improve analytics performance

Specifications

Image					
Array Format (NTSC)	320 x 240				
Detector Type	Long-Life, Uncooled VOx Microbolometer				
Effective resolution	76,800 pixels				
Video frame rate	NTSC: 30 Hz PAL: 25 Hz				
Optics	Model	FOV	F#	Focal Length	Pixel Pitch
	FB-324-O	24°	F1.0	12.8mm	17u
	FB-349-O	49°	F1.3	6.8mm	17u
	FB-393-O	93°	F1.3	3.7mm	17u
Spectral Range	8 µm to 14 µm				
Focus Range	Athermalized, focus-free				
Sensitivity	<50mK @ 25c F# 1.0				
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	QNative: 320x256				
Network					
Ethernet	10/100 Mbps				
External Analytics Compatible	Yes				
Network APIs	Nexus SDK for comprehensive system control and integration; Nexus CGI for http command interfaces; ONVIF Profile S				
Supported Protocols	IPV4, HTTP, Bonjour, UPnP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP				
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				
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				
Storage Temperature Range	-20°C to 70°C				
Humidity	10%-90% relative humidity				
Regulatory	FCC Part 15 (Subpart B, Class A), CE marked, EN55032, EN55024, RoHS, WEEE				

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