FB-Series O

FLIR FB-SERIES O
Thermal Security Camera

The FLIR FB-Series O thermal security camera delivers reliable thermal imaging for perimeter protection 24/7. Featuring FLIR's industry-leading thermal imaging, the FB-Series O produces crisp thermal video in total darkness or sun glare, and through smoke, dust, or light fog. The camera also offers "plug-and-play" compatibility with external video analytics and major VMS suppliers - including FLIR United VMS - for additional functionality and a flawless user experience.

Affordable best-in-class perimeter protection
FLIR's premier thermal security solution for any size system

- Multiple lens options offer flexible coverage of fence lines and building perimeters

- The FB-Series O's high contrast thermal imaging is ideal for use with FLIR TRK analytics encoders that can classify humans and vehicles, as well as hand-off targets for PTZ tracking

"Plug and Play" integration
Easily integrates into new or existing video management systems

- The FB-Series O is fully integrated and certified by 3rd party video management systems and analytics

- FLIR United VMS enables such features as thermal configuration and alarm management

- FB-Series O offers hybrid, 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 Dynamic Detail Enhancement (DDE) enhance image contrast in all scenes

- FLIR offers an unmatched 10/3 warranty (10 years for the thermal sensor, 3 for the camera)

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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 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

Network

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

www.flir.com/security

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