



THERMAL SECURITY CAMERA

ELARA™ FB-SERIES O

The FLIR Elara FB-Series O thermal security camera delivers reliable thermal imaging for perimeter protection 24/7. Featuring FLIR's industry-leading thermal imaging, the Elara 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.

www.flir.com/thermal-security

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 Elara 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 Elara 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
- Elara 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)

SPECIFICATIONS

	Elara FB 3xx O-Series	Elara FB 6xx O-Series
Image		
Array Format (NTSC)	320 x 240	640 x 480
Detector Type	Long-Life, Uncooled VOx Microbolometer	
Effective resolution	76,800 pixels	307,200 pixels
Thermal frame rate	NTSC: 30 Hz / PAL: 25 Hz	
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	VGA: 640x480 & QVGA: 320x240
System Integration		
Ethernet	10/100 Mbps	
External Analytics Compatible	Yes	
Network Protocols	IPv4, HTTP, Bonjour, UPnP, DNS, NTP, RTSP, 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	12V DC / 24V AC / PoE	
Power Consumption	12V DC: 17 W (maximum with heaters) / 24V AC : 13 VA (maximum with heaters) 24V DC : 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	

Optics				
Model	FOV	F#	Focal Length	Pixel Pitch
FB-393 O	93°	F1.3	3.7 mm	17 μ m
FB-349 O	49°	F1.3	6.8 mm	17 μ m
FB-324 O	24°	F1.0	12.8 mm	17 μ m
FB-312 O	12°	F1.0	18 mm	12 μ m
FB-309 O	9°	F1.0	24 mm	12 μ m
FB-695 O	95°	F1.1	4.9 mm	12 μ m
FB-650 O	50°	F1.0	8.7 mm	12 μ m
FB-632 O	32°	F1.0	14 mm	12 μ m
FB-618 O	18°	F1.0	24 mm	12 μ m

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