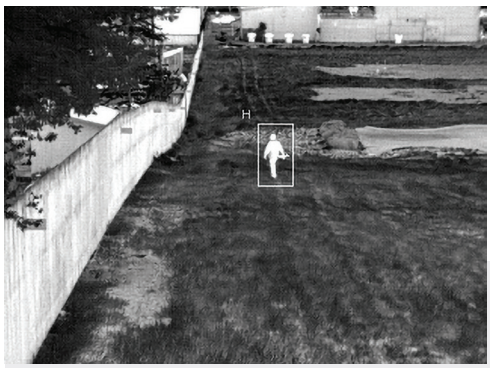
THERMAL ANALYTICS SECURITY CAMERA

FLIR ELARA™ FB-SERIES ID

The Elara FB-Series ID combines best-in-class thermal image detail and high-performance onboard video analytics in a single, and affordable bullet-type form factor that is ideal for perimeter intrusion detection. Elara FB-Series ID cameras feature on-board video analytics capable of classifying human or vehicular intrusions, making them an ideal choice for monitoring commercial and industrial perimeters. Easy to set up, Elara FB-Series ID cameras provide reliable detection & classification with very few false alarms rates without human intervention. Equipped with FLIR's award-winning thermal technology, Elara FB-Series ID is designed to deal with challenging environments or bad weather, and can operate in complete darkness.

www.flir.com/thermal-security



AFFORDABLE, BEST-IN-CLASS INTRUSION DETECTION WITH ONBOARD ANALYTICS

FLIR's premier thermal security solution for any sized system

- Reliable on-board analytics with a low false-alarm rate capable of human and vehicle classification, and target hand-off to an autonomous PTZ tracking camera
- Multiple lens options offer flexible coverage of fence lines and building perimeters
- The Elara FB-Series ID's high contrast thermal imaging is ideal for use with analytics

"PLUG AND PLAY" INTEGRATION

Easily integrates into new or existing video management systems.

- The Elara FB-Series ID is fully integrated and certified by 3rd party video management systems
- FLIR United VMS enables such features as thermal and video analytic configuration and alarm management
- Elara FB-Series ID offers 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 Digital Detail Enhancement (DDE) improve 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 ID-Series	Elara FB 6xx ID-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
Analytics Management	Web-based configuration and management, Masking of analytic detection areas, adjustable sensitivity, automatic responses, remote I/O control	
Analytics Features	Region Entrance/Intrusion Detection, Crossover/Fence Trespassing; Auto/Manual Depth Setup, Human and Vehicle Rules, Hand-off target to autonomous PTZ tracking, Tampering Detection	
System Integration		
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	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, IEC 62368	
Cyber Security		
	IEEE 802.1x TLS/HTTPS User authentication	

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

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