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

FLIR ELARA™ FB-SERIES ID

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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)
### Elara FB 3xx ID-Series

<table>
<thead>
<tr>
<th>Model</th>
<th>FOV</th>
<th>F#</th>
<th>Focal Length</th>
<th>Pixel Pitch</th>
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<tbody>
<tr>
<td>FB-393</td>
<td>93°</td>
<td>F1.3</td>
<td>3.7 mm</td>
<td>17 µm</td>
</tr>
<tr>
<td>FB-349</td>
<td>49°</td>
<td>F1.3</td>
<td>6.8 mm</td>
<td>17 µm</td>
</tr>
<tr>
<td>FB-324</td>
<td>24°</td>
<td>F1.0</td>
<td>12.8 mm</td>
<td>17 µm</td>
</tr>
<tr>
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<td>F1.0</td>
<td>18 mm</td>
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<tr>
<td>FB-309</td>
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<tr>
<td>FB-650</td>
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<tr>
<td>FB-632</td>
<td>32°</td>
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### Image

- **Array Format (NTSC):** 320 x 240, 640 x 480
- **Detector Type:** Long-Life, Uncooled VxX Microbolometer
- **Effective resolution:** 76,800 pixels, 362,000 pixels
- **FOV:**
  - 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
  - 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

### System Features

- **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 & 480: 320x240
- **Analytics Management:** Web-based configuration and management, Masking of analytic detection areas, adjustable sensitivity, automatic responses, remote I/O control
- **Analytic 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, 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
  - IEEE 802.1x
  - TLS/HTTPS
  - User authentication

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