



## THERMAL SECURITY CAMERA

# FLIR ELARA™ FB-SERIES 0

The FLIR Elara FB-Series 0 thermal security camera delivers reliable thermal imaging for perimeter protection 24/7. Featuring FLIR's industry-leading thermal imaging, the Elara FB-Series 0 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](http://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 0'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 0 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 0 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 0-Series   | Elara FB 6xx 0-Series        |
|--------------------------------------|---|------------------------------|
| <b>Image</b>                         |   |                              |
| 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   |                              |
| <b>Video</b>                         |   |                              |
| 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 |
| <b>System Integration</b>            |   |                              |
| 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              |                              |
| <b>General</b>                       |   |                              |
| 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)<br>24V DC : 13 W (maximum with heaters) / PoE: 13 W |                              |
| <b>Environmental</b>                 |   |                              |
| 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  |                              |
| <b>Cyber Security</b>                |   |                              |
|                                      | IEEE 802.1x<br>TLS/HTTPS<br>User authentication   |                              |

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

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