FLIR E-Series bx
The New E40bx, E50bx and E60bx, Now with MSX® Advanced Thermal Imaging Camera Performance

Get more IR inspections done, create professional detailed reports easier, and share images and findings faster with FLIR’s latest E-Series bx thermal imagers. Featuring a fresh array of imaging, communication, and productivity tools to help you take care of more customers.

**FLIR Tools Mobile Communication** – Connect an E-Series bx camera to smartphones and tablets with our Wi-Fi app. Stream live video so customers can watch along. Import radiometric JPEGs, adjust levels and color, add measurement tools, then send images off in simple reports via email to get a faster yes for repairs.

**Superior Thermal Imaging** – Up to 76,800 pixels (320 x 240) for better long-range accuracy and the highest level of point & shoot camera IR resolution.

**MSX Thermal Image Enhancement** – See structural features, numbers, and other key visual details not normally apparent in a regular thermal image with an all-in-one thermal picture that instantly orients you to right where heat issues are.

**Onboard Digital Camera** – 3.1MP resolution provides clear visible light reference pictures; includes built-in LED lamp that doubles as a flashlight plus a laser pointer to mark locations.

**Large Touchscreen with Auto-Orientation** – The E-Series touchscreen provides an intuitive interface that takes full advantage of the entire 3.5” display for easy access to diagnostics tools – now with auto-orientation to keep measurement and other data overlays upright no matter how you hold the camera.

**Picture-in-Picture** – Overlay thermal images onto digital scenes for extra location documentation.

**Multiple Measurements** – Add up to 3 box areas and 3 moveable spots using the touchscreen to gather more detailed temperature information

**MeterLink®** – Measure more than temperature. Send diagnostics data by Bluetooth from compatible clamp and moisture meters directly to E-Series bx cameras to embed extra information into thermal images as you capture them that further supports findings.

**Interchangeable Lenses and Manual Focus** – Optional wide-angle and telephoto optics let you capture more of a scene in one shot or get in closer to measure smaller, distant targets. Full focus control help you dial in the sharpest clarity and accuracy.

**Greater Temperature Sensitivity** – See subtler temperature patterns and detail with <0.045°C sensitivity.
### Imaging Specifications

<table>
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<tr>
<th>FEATURES</th>
<th>FLIR E40bx</th>
<th>FLIR E50bx</th>
<th>FLIR E60bx</th>
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<tr>
<td><strong>FLIR E40bx</strong></td>
<td>&lt;0.045°C at 30°C</td>
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<tr>
<td><strong>FLIR E50bx</strong></td>
<td>&lt;0.045°C at 30°C</td>
<td>240 x 180 pixels</td>
<td>320 x 240 pixels</td>
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<tr>
<td><strong>FLIR E60bx</strong></td>
<td>&lt;0.045°C at 30°C</td>
<td>320 x 240 pixels</td>
<td>320 x 240 pixels</td>
</tr>
<tr>
<td><strong>Detector Type - Focal plane array;</strong></td>
<td>160 x 120 pixels</td>
<td>240 x 180 pixels</td>
<td>320 x 240 pixels</td>
</tr>
<tr>
<td><strong>Detector</strong></td>
<td>(FPA) uncooled microbolometer</td>
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</tr>
<tr>
<td><strong>MSX® Thermal Image Enhancement</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Picture-in-Picture (P+i-P)</strong></td>
<td>Fixed P+i-P</td>
<td>Scalable P+i-P</td>
<td>Scalable P+i-P</td>
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<tr>
<td><strong>MPEG 4 Video Recording</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Video Camera w/Lamp &amp; Laser</strong></td>
<td>3.1MP/LED Lamp/Laser Pointer</td>
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<tr>
<td><strong>Digital Zoom</strong></td>
<td>2X Continuous</td>
<td>4X Continuous</td>
<td>4X Continuous</td>
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<tr>
<td><strong>Image annotation</strong></td>
<td>Voice (60s)/Text Comments</td>
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<tr>
<td><strong>Moveable Spot</strong></td>
<td>3 Spotmeters</td>
<td>3 Spotmeters</td>
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<tr>
<td><strong>Area Box</strong></td>
<td>3 Area Boxes (full image with min/max/avg)</td>
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<td><strong>Delta T</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Data Communication Interface</strong></td>
<td>USB-mini, USB-A, Composite Video, Bluetooth, Wi-Fi</td>
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</tr>
</tbody>
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### COMMON FEATURES

- **Temperature range**: -4 to 248°F (-20 to 120°C)
- **Frame Rate**: 60Hz
- **Field of view / Focus**: 25° x 19° / Manual (Minimum focus distance 1.3ft/0.4m)
- **Spectral range**: 7.5 to 13µm
- **Display**: Built-in 3.5” color LCD
- **Image Storage**: >1000 radiometric JPEG images (SD card memory)
- **Laser Classification/Type**: Class 2/Semiconductor AlGalnP Diode Laser: 1mW/635nm (red)
- **Set-up controls**: Mode selector, color palettes, configure image info, units, language, date and time formats, and image gallery
- **Measurement modes**: Auto hot/cold spot, Isotherm (above/below/interval), insulation and humidity alarms
- **Measurement Correction**: Reflected ambient temperature & emissivity correction
- **Battery Type/Operating Time**: Li-lon/ >4 hours, Display shows battery status
- **Charging system**: In camera AC adapter/2 bay charging system
- **Shock/Vibration/Drop/Encapsulation; Safety**: 25G, IEC 60068-2-29/ 2G, IEC 60068-2-6/ Drop-proof 2m (6.6ft) / IP54; EN/UL/CSA/PSE 60950-1
- **Dimensions/Weight**: 9.7x3.8x7.2” (246x97x184mm)/<1.82lbs (825g), including battery

### Ordering Information

- **FLIR E40bx** Bldg. IR Camera w/MSX 160 x 120 Resolution/60Hz
- **FLIR E50bx** Bldg. IR Camera w/MSX 240 x 120 Resolution/60Hz
- **FLIR E60bx** Bldg. IR Camera w/MSX 320 x 240 Resolution/60Hz

### Accessories

- T197752 Li-Ion Rechargeable Battery
- T910814 AC Adapter Charger (110-240V, U.S. Plug)
- T1910430 Cigarette Lighter Adapter Kit, 12VDC (1.2m cable)
- T198125 2-Bay Battery Charger including Power Supply (multi plugs)
- T197771 Bluetooth® Headset
- T127648 FLIR Tools+ (license only)
- 1196960 45° Wide Angle Lens with Case
- 1196961 15° Telephoto Lens with Case
- T197926 Tripod adapter
- T127100 Sunshield
- T191087 Pouch