



# FLIR EX Series

## Point-and-Shoot Thermal Imaging Cameras

FLIR E4, E5, E6, and E8 infrared cameras are powerful and extremely cost-effective, easy-to-use troubleshooting tools for building, electrical, and mechanical applications. Four resolution options are available (ranging from 80 x 60 IR pixels to 320 x 240) to fit the target size, working distance, and detail you require. All include MSX® technology that provides extraordinary thermal imaging detail. Wi-Fi connectivity to smartphones and tablets via the FLIR Tools Mobile app makes sharing images and sending reports from any location easier, enabling you to make critical decisions faster. By providing thermal images to help you find hidden problems along with accurate temperature measurements, an Ex-Series camera is the ideal budget-friendly replacement for old-school IR thermometers.

### Easy to use

*Intuitive, user-friendly interface for measurements in thermal or MSX mode*

- Fully automatic and focus-free
- Simple button navigation to on-screen settings, imaging modes, and measurement tools
- MSX adds digital camera detail to IR images for better perspective and interpretation

### Conveniently share images and findings

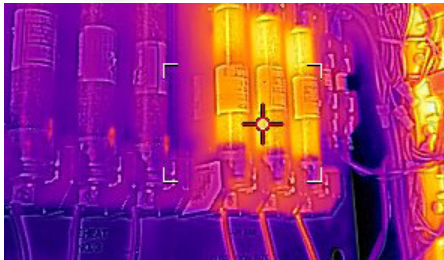
*Download images, create reports, and show what you've found instantly*

- Wi-Fi connectivity to mobile devices via FLIR Tools Mobile app
- Rapid Wi-Fi or USB image transfer for documentation
- Analyze and edit images, and create convincing reports with FLIR Tools

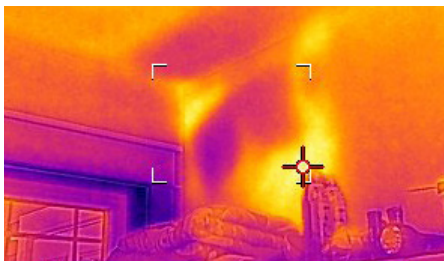
### Compact and rugged

*Built for portability and use in harsh environments*

- Lightweight (1.2 lb / .0575kg) and withstands 2-meter drop test
- Accessory belt pouch included for convenience on-the-go
- 2-year warranty coverage on camera, 5 years on batteries, 10 years on detector



MSX shows you numbers, labels and structural features, eliminating the need to look at a visual image for detail



See temperature patterns showing insulation voids and other building issues

## Specifications

| Features by Camera                   | E4  | E5                         | E6                        | E8               |
|--------------------------------------|---|----------------------------|---------------------------|------------------|
| IR resolution                        | 80 × 60 pixels  | 120 × 90 pixels            | 160 × 120 pixels          | 320 × 240 pixels |
| Thermal sensitivity/NETD             | <0.15°C (0.27°F) / <150 mK  | <0.10°C (0.27°F) / <100 mK | <0.06°C (0.11°F) / <60 mK |                  |
| Image adjustment                     | Automatic adjust/lock image   |                            | Automatic/Manual          |                  |
| <b>Common Features</b>               |   |                            |                           |                  |
| Field of view (FOV)                  | 45° × 34°   |                            |                           |                  |
| Minimum focus distance               | 0.5 m (1.6 ft.)   |                            |                           |                  |
| Image frequency                      | 9 Hz  |                            |                           |                  |
| Focus                                | Focus free  |                            |                           |                  |
| Wi-Fi                                | Peer-to-peer or network   |                            |                           |                  |
| Detector type                        | Uncooled microbolometer   |                            |                           |                  |
| <b>Image Presentation and Modes</b>  |   |                            |                           |                  |
| Display                              | 3.0 in. 320 × 240 color LCD   |                            |                           |                  |
| Image modes                          | Thermal MSX®, thermal, picture-in-picture, thermal blending, digital camera   |                            |                           |                  |
| Multi Spectral Dynamic Imaging (MSX) | IR image enhanced with visible camera detail  |                            |                           |                  |
| Picture in Picture                   | IR area on visual image   |                            |                           |                  |
| Color palettes                       | Black & white, iron, and rainbow  |                            |                           |                  |
| Digital camera resolution/FOV        | 640 × 480/55° × 43°   |                            |                           |                  |
| <b>Measurement Features</b>          |   |                            |                           |                  |
| Object temperature range             | -20°C to +250°C (-4°F to +482°F)  |                            |                           |                  |
| Accuracy                             | ±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F) and object temperature above +0°C (+32°F) |                            |                           |                  |
| Spotmeter; area                      | Center spot; box with min./max.   |                            |                           |                  |
| Emissivity table/correction          | Emissivity table of predefined materials/variable from 0.1 to 1.0   |                            |                           |                  |
| <b>Additional Data</b>               |   |                            |                           |                  |
| File formats                         | Standard JPEG, 14-bit measurement data included   |                            |                           |                  |
| Interfaces                           | USB Micro: Data transfer to and from PC and Mac device  |                            |                           |                  |
| Battery type & operating time        | Rechargeable 3.6 V Li ion battery; approx. 4 hours typical use  |                            |                           |                  |
| Encapsulation/drop                   | IP 54 (IEC 60529)/2m (6.6 ft.)  |                            |                           |                  |
| Camera weight, incl. battery         | 0.575 kg (1.27 lb.)   |                            |                           |                  |

Specifications are subject to change without notice. For the most up-to-date specifications, go to [www.flir.com](http://www.flir.com)



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