



## 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<sup>®</sup> technology that provides extraordinary thermal imaging detail. Wi-Fi connectivity to smartphones and tablets via the FLIR Tools<sup>®</sup> 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

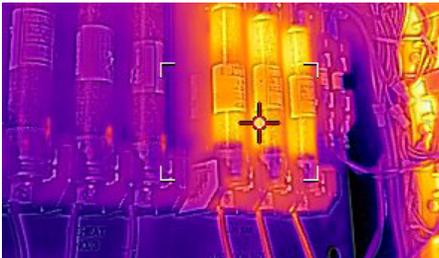
*Download images, create reports, and show what you've found instantly*

- 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 / .0575 kg) and withstands 2-meter drop test
- 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



Variable emissivity and reflected temperature parameters give you reliable results fast

## 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) / 2 m (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)



Download images fast via USB.



Wireless connectivity to smartphones, tablets and more.



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