



## FLIR *EX Series*

### Point-and-Shoot Thermal Imaging Cameras

FLIR 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 120 x 190 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 / 0.575kg) and withstands 2-meter drop test
- Accessory belt pouch included for convenience on-the-go
- 2-year warranty coverage on the camera, 10 years on the 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

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The World's **Sixth Sense**®

## Specifications

Features by Camera	E5	E6	E8
IR resolution	120 × 90 pixels	160 × 120 pixels	320 × 240 pixels
Thermal sensitivity/NETD	<0.10°C (0.27°F) / <100 mK	<0.06°C (0.11°F) / <60 mK	
Image adjustment	Automatic adjust/lock image	Automatic/Manual	
Common Features			
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		
Image Presentation and Modes			
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°		
Measurement Features			
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		
Additional Data			
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)



Download images fast via USB



Wireless Connectivity to Smartphones, Tablets and more.

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