



INFRARED CAMERA WITH MSX® & WI-FI

FLIR E4 WiFi

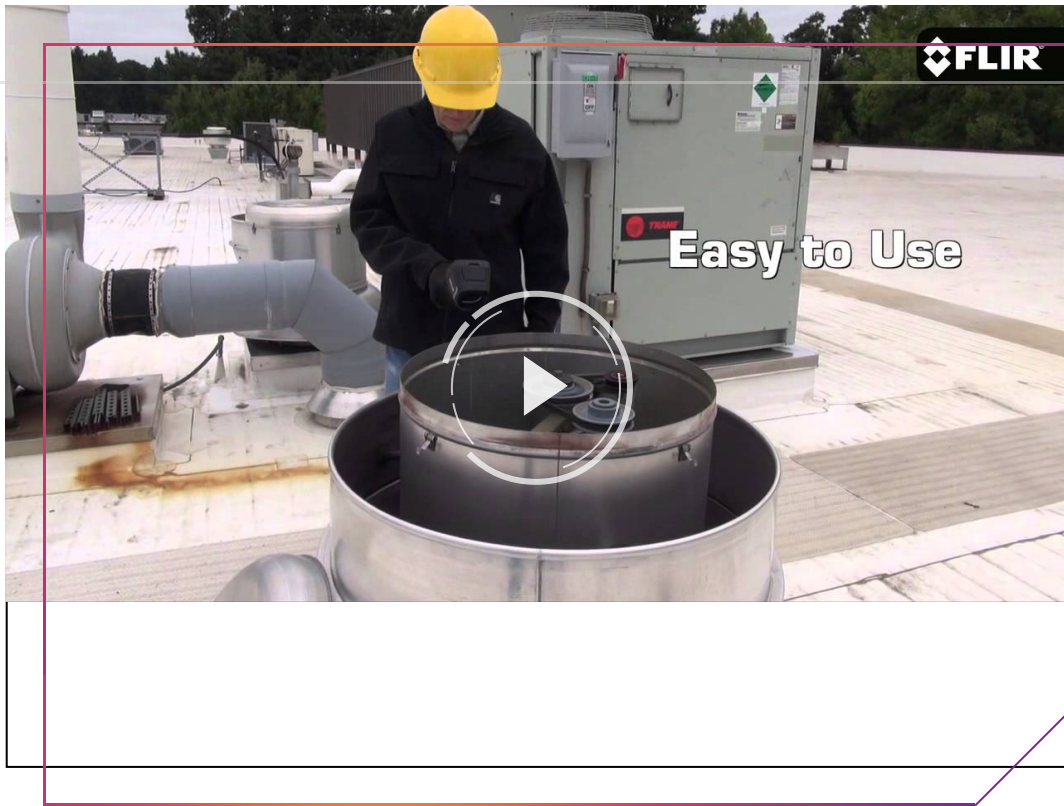
[Go to Support Page »](#)

The FLIR E4 with Wi-Fi is an easy-to-use thermal imaging camera for electrical, mechanical, building, and HVAC/R applications. Find hidden problems, take accurate temperature readings, and confirm repairs easily, thanks to the 4,800 (80 x 60) pixel infrared resolution and MSX image enhancements. Then, streamline your work using the built-in Wi-Fi, for uploading and sharing images and data through the FLIR Tools mobile app.

[REQUEST INFO](#)

[FIND A DEALER](#)

FLIR's Most Affordable Professional Thermal Imaging



WI-FI CONNECTIVITY

Upload images and data to the FLIR Tools app over Wi-Fi, for instant sharing and reporting.

CRISP RESOLUTION

The E4 has a crisp, 4,800 pixel detector that is just the right size for your application as well as your budget.

THE POWER OF ONE BUTTON

A focus-free lens and simple button navigation to on-screen settings makes this camera easy to operate.

MSX[®] Image
Enhancement

The E4 with Wi-Fi features FLIR's unique MSX that adds key details from the onboard visible light camera to the entire infrared image in real time. The result: an all-in-one, undiluted thermal picture with visible light features that lets you instantly recognize where the problematic heat pattern is. MSX is real time so you can see its results immediately in the camera's LCD.



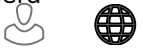
SPECIFICATIONS

OVERVIEW

Detector Type	Uncooled microbolometer
IR Resolution	80 x 60 pixels
List of Contents	<ul style="list-style-type: none"> • Infrared camera • Hard transport case • Battery (inside camera) • USB cable • Power supply/charger with EU, UK, US and Australian plugs • Printed documentation
Packaging Size	385 x 165 x 315 mm (15.2 x 6.5 x 12.4 in.)
Set-up Commands	Local adaptation of units, language, date and time formats
Spectral Range	7.5–13 μm

COMPLIANCE & CERTIFICATIONS

Certifications	UL, CSA, CE, PSE and CCC
----------------	--------------------------



ENVIRONMENTAL

EMC	•WEEE 2012/19/EC •RoHs 2011/65/EC •C-Tick •EN 61000-6-3 •EN 61000-6-2 •FCC 47 CFR Part 15 Class B
Humidity (Operating and Storage)	IEC 60068-2-30/24 h 95% relative humidity
Operating Temperature Range	–15°C to +50°C (+5°F to +122°F)
Radio Spectrum	•ETSI EN 300 328 •FCC 47 CSR Part 15 •RSS-247 Issue 2
Shock	25 g (IEC 60068-2-27)
Storage Temperature Range	–40°C to +70°C (–40°F to +158°F)
Vibration	2 g (IEC 60068-2-6)
Emissivity table/correction	Emissivity table of predefined materials/variable from 0.1 to 1.0
Encapsulation/Drop	IP 54 (IEC 60529)/2m (6.6 ft.)

IMAGING & OPTICAL

Camera size (L x W x H)	244 × 95 × 140 mm (9.6 × 3.7 × 5.5 in.)
Camera weight incl battery	0.575 kg (1.27 lb.)
Color	Black and gray
Color palettes	Black & white, iron, and rainbow
f-number	1.5
Field of view (FOV)	45° × 34°

Focus

Focus free

Image Adjustment

Automatic adjust/lock image

Image Frequency

9 Hz

Image Modes

Thermal MSX, Thermal, Picture-in-Picture, Thermal blending, Digital camera.

Minimum Focus Distance

0.5 m (1.6 ft.)

Multi Spectral Dynamic Imaging (MSX)

IR image enhanced with visible camera detail

Picture-in-Picture

IR area on visual image

Spatial resolution (IFOV)

10.3 mrad

Digital Camera Resolution/FOV

640 × 480/55° × 43°

MEASUREMENT & ANALYSIS

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)

Area

Box with max./min.

Isotherm

Above/below/interval

Object Temperature Range

-20°C to +250°C (-4°F to +482°F)

Reflected apparent temperature correction

Automatic, based on input of reflected temperature

Thermal Sensitivity/NETD

<0.15°C (0.27°F) / <150 mK

Spotmeter and Area

Center spot; box with min./max.

METER DATA

Display

3.0 in. 320 × 240 color LCD

POWER

Charging system

Battery is charged inside the camera or in specific charger.