



INFRARED CAMERA WITH MSX® & WI-FI

FLIR E8 WiFi

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The FLIR E8 with Wi-Fi offers affordable, high-resolution thermal imaging with the added advantage of wireless connectivity. Find hidden electrical faults, mechanical issues, and sources of energy loss thanks to the E8's crisp 76,800 (320 x 240) pixel infrared resolution and MSX® image enhancements. Then, streamline your workload by uploading and sharing images and data over Wi-Fi to the FLIR Tools mobile app.

REQUEST INFO

Best-in-class Thermal Troubleshooting Value



WI-FI CONNECTIVITY

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

SUPERIOR RESOLUTION

With its outstanding 76,800 pixel detector and $\pm 2\%$ accuracy, the E8 offers best-in-class image clarity.

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 E8 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 | 320 x 240 pixels |
| Packaging Size | 385 x 165 x 315 mm (15.2 x 6.5 x 12.4 in.) |

CONNECTIONS & COMMUNICATIONS

| | |
|-----------|--|
| Interface | USB Micro: Data transfer to and from PC and Mac device |
| WiFi | Peer-to-peer or network |

ENVIRONMENTAL

EXTEC 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.)

| | |
|---|---|
| Camera weight incl battery | 0.575 kg (1.27 lb.) |
| Color palettes | Black & white, iron, and rainbow |
| Field of view (FOV) | 45° × 34° |
| Focus | Focus free |
| Image Adjustment | Automatic/Manual |
| 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 |
| 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) |
| Object Temperature Range | -20°C to +250°C (-4°F to +482°F) |
| Spot Meter | Center spot; box with min./max. |
| Thermal Sensitivity/NETD | <0.06°C (0.11°F) / <60 mK |

METER DATA

| | |
|----------------|-----------------------------|
| Display | 3.0 in. 320 × 240 color LCD |
|----------------|-----------------------------|

POWER

| | |
|-------------------------------------|--|
| Battery type & operating | Rechargeable 3.6 V Li ion battery; approx. 4 hours typical use |
|-------------------------------------|--|