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FLIR E5 Pro Thermal Imaging Camera



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Standard Measurement Temperature (°C):
-20°C to 400°C (-4°F to 752°F) in two ranges

Spectrum:
Thermal

General

Model Number:
ExSeries

Contents of Kit:
Infrared camera (with LED flashlight), hard transport case, battery (inside camera), power supply (with EU, UK, US and AU plugs), FLIR Thermal Studio Starter, and printed documentation

4 hours **Operating Lifetime (hours):**

33° × 25° **Field of View (°):**

Physical & Mechanical Properties

0.610 kg (1.34 lbs) **Weight (g):**

244 × 95 × 140 mm (9.6 × 3.7 × 5.5 in) **Dimensions (mm):**

±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) **Accuracy (%):**

Optical Properties

5 MP **Resolution:**

Iron, White hot, Black hot, Rainbow, Arctic, Lava, Rainbow HC **Color:**

7.5–13 μm **Spectral Range:**

Electrical

9 Hz **Frequency (Hz):**

Hardware & Interface Connectivity

Battery is charged inside the camera or in specific charger. **Connector:**

Environmental & Durability Factors

-15°C to 50°C (5°F to 122°F) **Operating Temperature (°C):**

-40°C to 70°C (-40°F to 158°F) **Storage Temperature (°C):**

25 g (IEC 60068-2-27) **Shock Rating:**

2 g (IEC 60068-2-6) **Vibration:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Product Details

- Professional-Grade thermal imagers for Industrial Applications
- Rugged, Handheld Design for Field Use
- Wide Temperature Ranges up to 550°C (1022°F)
- Wi-Fi for Fast Image Transfer and Reporting

The FLIR ExSeries delivers professional-grade thermal imaging in a rugged, handheld design built for demanding field environments. Offering industry-leading infrared resolution and wide temperature measurement ranges up to 550°C (1022°F), the E5 Pro, E6 Pro, and E8 Pro models are ideal for maintenance, building inspections, electrical diagnostics, HVAC servicing, and industrial troubleshooting. The E5 Pro (160 × 120 resolution) provides reliable thermal imaging for general inspections, the E6 Pro (240 × 180 resolution) offers enhanced resolution for identifying smaller temperature variations, and the E8 Pro (320 × 240 resolution) delivers the highest clarity and thermal sensitivity for advanced diagnostics. Built-in Wi-Fi connectivity allows for fast image transfer, reporting, and data sharing directly from the field, streamlining workflows and improving efficiency. With precision thermal sensitivity down to 0.04°C on the E8 Pro, users can detect subtle heat patterns and prevent equipment failures before they occur. The ExSeries combines FLIR's trusted infrared technology with durability and portability, making it a top choice for professional thermal imaging applications.

Model	E5 Pro	E6 Pro	E8 Pro
Resolution	160 × 120 (19,200 pixels)	240 × 180 pixels (43,200 pixels)	160 × 120 (19,200 pixels)
Temp Range	-20°C to 400°C (-4°F to 752°F)	-20°C to 550°C (-4°F to 1022°F)	-20°C to 550°C (-4°F to 1022°F)
Thermal sensitivity	<0.06°C	<0.05°C	<0.04°C

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)