



Key Features:

- See impending failures sooner with FLIR MSX® (Multi-Spectral Dynamic Imaging), which provides extraordinary thermal imaging details
- Improve inspection efficiency using the 640 × 480 touchscreen: add detailed notes to images and stream video
- Store and share images using FLIR Ignite™ cloud service, and create reports with Ignite or FLIR Thermal Studio

Main Applications:

- Industrial inspections of electrical and mechanical equipment
- Condition monitoring of degrading equipment before failure
- Building inspections to ensure energy efficiency

SPECIFICATIONS

| Inspection Efficiency | |
|--------------------------------------|--|
| MSX (Multi-Spectral Dynamic Imaging) | IR image enhanced with visible camera detail |
| FLIR Ignite | Instant upload to cloud storage over Wi-Fi |
| FLIR Thermal Studio Suite | Compatible with full range of analysis and reporting software |
| Capacitive Touchscreen | Access to onscreen menus, features, and keyboards |
| Text | Text annotation on image using onscreen keyboard |
| Gallery | Thumbnails and custom folder structure |
| Imaging and Optical | |
| IR Resolution | 320 × 240 (76,800 pixels) |
| Thermal Sensitivity/NETD | <0.05°C (0.09°F) / <50 mK |
| Focus | Fixed focus |
| Image Frequency | 9 Hz |
| Color Palettes | Iron, White hot, Black hot, Rainbow, Arctic, Lava, Rainbow HC |
| Digital Camera | 5 MP |
| Picture-in-Picture | IR area on visual image |
| Detector Type | Uncooled microbolometer |
| Field of View (FOV) | 33° |
| F-number | 1.4 |
| Image Modes | Thermal MSX, Thermal, Picture-in-Picture, Thermal blending, Digital camera |
| Minimum Focus Distance | 0.36 m (1.18 ft) |
| Spatial Resolution (IFOV) | 1.8 mrad |
| Spectral Range | 7.5 μm to 13 μm |

| 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 550°C (-4°F to 1022°F) in two ranges |
| Measurements Correction | Emissivity; matt/semi-matt/semi-gloss + custom value, reflected apparent temperature, atmospheric compensation |
| Set-up Commands | Local adaptation of units, language, date and time formats |
| Spot Meter | Center spot; box with min/max |
| User Interface | |
| Display | 3.5 in, 640 × 480 color LCD |
| Flashlight | Bright LED |
| Power | |
| Battery Operating Time | 4 hours |
| Battery Type | Rechargeable Lithium-ion battery |
| Charging System | Battery is charged inside the camera or in specific charger |
| Charging Time | 2 h |
| Power Management | Automatic shutdown |

This product is subject to United States export regulations and may require US authorization prior to export, reexport, or transfer to non-US persons or parties. Diversion contrary to US law is prohibited.

For assistance with confirming the Jurisdiction & Classification of Teledyne FLIR, LLC products

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FLIR E8 PRO™

Pro-Series Infrared Camera
with Ignite™ Cloud

SPECIFICATIONS, CONT.

| Environmental & Certifications | |
|-----------------------------------|--|
| Certifications | UL, CSA, CE, PSE and CCC, WEEE 2012/19/EC, RoHs 2011/65/EC |
| EMC | EN 301 489-1 EN 301 489-17 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 40°C (5°F to 122°F) |
| Wi-Fi | Standard: 802.11 a/b/g/n (2.4 GHz and 5 GHz) |
| 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) |
| General | |
| Camera Size (L x W x H) | 244 mm x 95 mm x 140 mm (9.6 in x 3.7 in x 5.5 in) |
| Camera Weight (including battery) | 0.590 kg (1.30 lb) |
| List of Contents | Infrared camera, hard transport case, battery (inside camera) + extra battery, USB cable, power supply/charger with EU, UK, US and Australian plugs, battery charger, FLIR Thermal Studio Starter, and printed documentation |
| Packaging Size | 385 mm x 165 mm x 315 mm (15.2 in x 6.5 in x 12.4 in) |
| Storage Media | Internal memory and onboard FLIR Ignite™ cloud connectivity (with Wi-Fi) |

ACCESSORIES

| Wearable Accessories |
|---|
| Pouch for FLIR E-Series (T911689ACC) |
| Pouch with Shoulder Strap (T198529) |
| Tool Belt (T911093) |
| Batteries & Chargers |
| Battery Charger (T198531) |
| Battery Li-ion 3.6 V, 2.6 Ah, 9.4 Wh (T199362ACC) |
| Power Supply (T198534) |
| Cables & Adapters |
| USB Cable, USB-A to USB-C (T911940ACC) |
| Straps & Holsters |
| Tool Belt (T911093) |
| Software |
| FLIR Thermal Studio Suite for PC |
| FLIR Tools Mobile App for iOS and Android |
| FLIR Ignite Cloud |
| Services |
| Extended Warranty |

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