

FLIR E8 PRO[™] Pro-Series Infrared Camera with Ignite[™] Cloud



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 | |

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

www.flir.com/E8-Pro

| Measurement & Analysis | | |
|--------------------------|---|--|
| Accuracy | $\pm2^\circ\text{C}$ ($\pm3.6^\circ\text{F}$) or $\pm2\%$ 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 | |

Specifications subject to change. For the most up-to-date specifications, please visit flir.com.

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For more information contact: Sales@TeledyneFLIR.com or to find your local support number, visit: flir.com/contactsupport www.teledyneflir.com



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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 × W × H) | 244 mm × 95 mm × 140 mm (9.6 in × 3.7 in × 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 × 165 mm × 315 mm (15.2 in × 6.5 in × 12.4 in) | |
| Storage Media | Internal memory and onboard FLIR Ignite [™] cloud connectivity (with Wi-Fi) | |

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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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