



# FLIR E8 PRO™

Pro-Series Infrared Camera  
with Ignite™ Cloud



### 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](http://www.flir.com/E8-Pro)

## 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   |

*Specifications subject to change. For the most up-to-date specifications, please visit [flir.com](http://flir.com).*

For more information contact: [Sales@TeledyneFLIR.com](mailto:Sales@TeledyneFLIR.com)  
or to find your local support number, visit: [flir.com/contactsupport](http://flir.com/contactsupport)  
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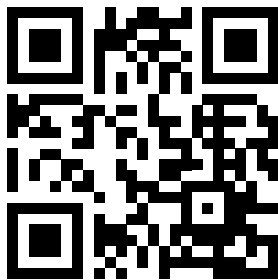
## SPECIFICATIONS, CONT.

| Environmental & Certifications    |  |
|-----------------------------------|--|
| Certifications                    | UL, CSA, CE, PSE and CCC, WEEE 2012/19/EC, RoHs 2011/65/EC   |
| EMC                               | EN 301 489-1<br>EN 301 489-17<br>EN 61000-6-3<br>EN 61000-6-2<br>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)   |

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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                                 |



For more information contact: [Sales@TeledyneFLIR.com](mailto:Sales@TeledyneFLIR.com)  
or to find your local support number, visit: [flir.com/contactsupport](http://flir.com/contactsupport)  
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