



### Key Features:

- Quickly recognize where problems are located thanks to FLIR MSX® (Multi-Spectral Dynamic Imaging), which embosses key visual details onto thermal images
- Save time spent on manual adjustments with 1-Touch Level/Span
- Improve inspection efficiency using the 640 × 480 touchscreen, with the ability to add detailed notes to each image
- Edit, store, organize, and share images using the FLIR Ignite cloud service
- Create quick reports in FLIR Ignite from any device, or create advanced reports in FLIR Thermal Studio from a PC

### Main Applications:

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

### SPECIFICATIONS

|                                      | E5 Pro  | E6 Pro   | E8 Pro   |
|--------------------------------------|---|--|--|
| <b>Unique Features by Model</b>      |   |  |  |
| IR Resolution                        | 160 × 120<br>(19,200 pixels)                                  | 240 × 180<br>(43,200 pixels)                   | 320 × 240<br>(76,800 pixels)                   |
| Thermal Sensitivity/NETD             | <0.06°C (0.11°F)<br>/ <60 mK at 30°C<br>(86°F)                | <0.05°C (0.09°F)<br>/ <50 mK at 30°C<br>(86°F) | <0.04°C (0.07°F)<br>/ <40 mK at 30°C<br>(86°F) |
| Spatial Resolution (IFOV)            | 3.7 mrad  | 2.5 mrad                                       | 1.8 mrad                                       |
| <b>Inspection Efficiency</b>         |   |  |  |
| Multi Spectral Dynamic Imaging (MSX) | 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 keyboard              |  |  |
| Text                                 | Text annotation on image using onscreen keyboard              |  |  |
| Gallery                              | Thumbnails and custom folder structure                        |  |  |
| 1-Touch Level/Span                   | Yes; automatic contrast enhancement                           |  |  |
| <b>Imaging &amp; Optical</b>         |   |  |  |
| Field of view (FOV)                  | 33° × 25°   |  |  |
| Focus                                | Focus free  |  |  |
| 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                                       |  |  |

|  | E5 Pro   | E6 Pro  | E8 Pro |
|--|--|---|--------|
| <b>Imaging &amp; Optical Continued</b> |  |   |        |
| Image Modes                            | Thermal MSX, thermal, picture-in-picture, digital camera   |   |        |
| Minimum Focus Distance                 | 0.36 m (1.18 ft)   |   |        |
| Spectral Range                         | 7.5–13 μm  |   |        |
| <b>Measurement &amp; Analysis</b>      |  |   |        |
| 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 400°C<br>(-4°F to 752°F)<br>in two ranges   | -20°C to 550°C<br>(-4°F to 1022°F)<br>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.  |   |        |
| Isotherm                               | Above alarm, below alarm   |   |        |
| Delta T                                | Yes, NFPA 70B compliant  |   |        |
| <b>User Interface</b>                  |  |   |        |
| Display                                | 3.5 inch, 640 × 480 color LCD  |   |        |
| Flashlight                             | Bright LED   |   |        |
| <b>Power</b>                           |  |   |        |
| 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 shut-down  |   |        |

Specifications subject to change.

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.

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Revised 08/29/23  
Ex-Pro-Series\_Datasheet-LTR 23-0403-INS



# FLIR Ex PRO-SERIES

Pro-Series Infrared Cameras  
with Ignite™ Cloud

## SPECIFICATIONS, CONT.

|   | E5 Pro   | E6 Pro  | E8 Pro |
|---|--|---|--------|
| <b>Environmental &amp; Certifications</b> |  |   |        |
| Drop Test                                 | 2 m (6.6 ft)   |   |        |
| Encapsulation                             | IP54 (IEC 60529)   |   |        |
| 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 50°C (5°F to 122°F)   |   |        |
| Wi-Fi                                     | Standard: 802.11 a/b/g/n (2.4 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)  |   |        |
| <b>General</b>                            |  |   |        |
| 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)   |   |        |
| 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   |   |        |
| Package Includes                          | Infrared camera, hard transport case, battery (inside camera), power supply (with EU, UK, US and AU plugs), FLIR Thermal Studio Starter, and printed documentation | Infrared camera, hard transport case, battery (inside camera) + extra battery, tabletop charger, power supply (with EU, UK, US and AU plugs), micro USB adapter, FLIR Thermal Studio Starter, and printed documentation |        |

Specifications subject to change.

## ACCESSORIES

|   |
|---|
| <b>Wearable Accessories</b>                       |
| Pouch for FLIR E-Series (T911689ACC)              |
| Pouch with Shoulder Strap (T198529)               |
| Tool Belt (T911093)                               |
| <b>Batteries &amp; Chargers</b>                   |
| Battery Charger (T198531)                         |
| Battery Li-ion 3.6 V, 2.6 Ah, 9.4 Wh (T199362ACC) |
| Power Supply (T911630ACC)                         |
| <b>Cables &amp; Adapters</b>                      |
| USB cable, USB-A to USB-C (T911940ACC)            |
| <b>Straps &amp; Holsters</b>                      |
| Tool Belt (T911093)                               |
| <b>Software</b>                                   |
| FLIR Thermal Studio Suite for PC                  |
| FLIR Tools Mobile App for iOS® and Android™       |
| FLIR Ignite                                       |
| <b>Services</b>                                   |
| Extended Warranty                                 |

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