



FLIR Ex PRO-SERIES

Pro-Series Infrared Cameras
with Ignite™ Cloud



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

www.flir.com/ex-pro

SPECIFICATIONS

| | E5 Pro | E6 Pro | E8 Pro |
|--------------------------------------|---|--|--|
| Unique Features by Model | | | |
| IR Resolution | 160 × 120 (19,200 pixels) | 240 × 180 (43,200 pixels) | 320 × 240 (76,800 pixels) |
| Thermal Sensitivity/NETD | <0.06°C (0.11°F) / <60 mK at 30°C (86°F) | <0.05°C (0.09°F) / <50 mK at 30°C (86°F) | <0.04°C (0.07°F) / <40 mK at 30°C (86°F) |
| Spatial Resolution (IFOV) | 3.7 mrad | 2.5 mrad | 1.8 mrad |
| Inspection Efficiency | | | |
| 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 | | |
| Imaging & Optical | | | |
| 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 |
|--|--|---|--------|
| Imaging & Optical Continued | | | |
| 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 | | |
| 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 400°C (-4°F to 752°F) in two ranges | -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. | | |
| Isotherm | Above alarm, below alarm | | |
| Delta T | Yes, NFPA 70B compliant | | |
| User Interface | | | |
| Display | 3.5 inch, 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 shut-down | | |

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

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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Pro-Series Infrared Cameras
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SPECIFICATIONS, CONT.

| | E5 Pro | E6 Pro | E8 Pro |
|---|--|---|--------|
| Environmental & Certifications | | | |
| 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) | | |
| 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) | | |
| 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. For the most up-to-date specifications, please visit flir.com.

ACCESSORIES

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|---|
| 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 (T911630ACC) |
| 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 |
| Services |
| Extended Warranty |

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For more information contact: Sales@TeledyneFLIR.com
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