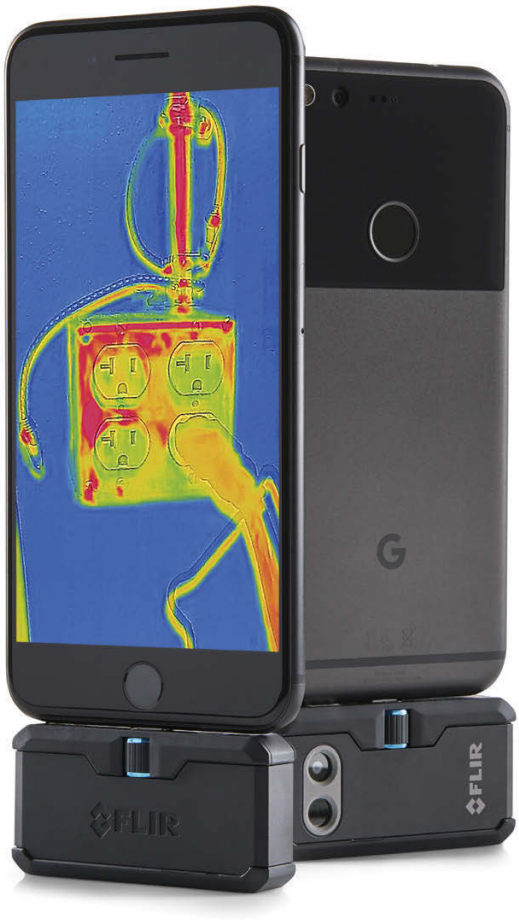


# FLIR ONE® PRO

The FLIR ONE Pro gives you the power to find invisible problems faster than ever. Combining a higher-resolution thermal sensor able to measure temperatures up to 400 °C (752 °F)with powerful measurement tools and report generation capability, the FLIR ONE Pro will work as hard as you do. Its revolutionary VividIR™ image processing lets you see more details and provide your customers with proof that you solved their problem right the first time. The updated design includes the revolutionary OneFit™ adjustable connector to fit your phone, without taking the phone out of its compatible protective case. An improved FLIR ONE app lets you measure multiple temperatures or regions of interest at once and stream to your smartwatch for remote viewing. Whether you're inspecting electrical panels, looking for HVAC problems, or finding water damage, the new FLIR ONE Pro is a tool no serious professional should be without.

## VividIR IMAGE PROCESSING

*See It & Solve It - Sharpest Mobile Thermal Imaging Performance Lets You Detect Problems with Precision and Accuracy, then Document Your Fix for the Customer*

- Most advanced image resolution enhancement detects the thermal details you need to find problems fast
- With 160 x 120 thermal resolution, FLIR ONE Pro uses FLIR's highest resolution micro thermal camera and can measure temperatures as high as 400 °C (752 °F)
- FLIR MSX® embosses visible edges from the 1440 x 1080 HD camera onto thermal imagery to create a sharper, easier to understand picture

## OneFit CONNECTOR

*Leave Your Case On - Adjustable Connector Means You Don't Have to Choose Between Thermal Vision and Safeguarding Your Device when Using Compatible Protective Cases*

- Adjust length of USB-C and Lightning connector up to an additional 4 mm
- Reversible connectors for Android and iOS
- Secure the FLIR ONE to your mobile device while keeping your phone safe

## HARD-WORKING APP

*Work Like a Pro - Work-Based Features Include Advanced Capabilities for More Professional Problem Solving and Functionality*

- Use multiple real-time spot meters and regions of interest
- Access real-time thermal tips and tricks in the FLIR ONE app followed by professional reporting through FLIR Tools
- See around corners and in awkward spaces by connecting to your Apple Watch or Android smartwatch

## Specifications

| General | FLIR One Pro |
|---|---|
| Certifications | MFi (iOS version), RoHS, CE/FCC, CEC-BC, EN61233 |
| Operating temperature | 0 °C – 35 °C (32 °F to 95 °F) ,<br>battery charging 0 °C to 30 °C (32 °F to 86 °F) |
| Non-operating temperature | -20 °C to 60 °C (-4 °F to 140 °F) |
| Size | 68mm W x34mm H x14mm D (2.7in x 1.3in x .6in) |
| Weight | 36.5g |
| Mechanical shock | Drop from 1.8m (5.9ft) |
| **Video** | |
| Thermal and visual cameras with MSX | |
| Thermal sensor | Pixel size 12µM, 8 – 14µM spectral range |
| Thermal resolution | 160x120 |
| Visual resolution | 1440x1080 |
| HFOV / VFOV | 55 ° ± 1 ° / 43 ° ± 1 ° |
| Frame rate | 8.7Hz |
| Focus | Fixed 15cm – Infinity |
| **Radiometry** | |
| Scene dynamic range | -20 °C to 400 °C (-4 °F to 752 °F) |
| Accuracy | ±3 °C (5.4 °F) or ±5%, typical Percent of the difference<br>between ambient and scene temperature. Applicable 60s<br>after start-up when the unit is within 15 °C to 35 °C (59 °F to 95 °F)<br>and the scene is within 5 °C to 120 °C (41 °F to 248 °F) |
| Thermal sensitivity (MRTD) | 150mK |
| Emissivity settings | Matte: 95%, Semi-Matte: 80%, Semi-Glossy: 60%,<br>Glossy: 30% Reflected background temperature is 22 °C (72 °F) |
| Shutter | Automatic/Manual |
| **Power** | |
| Battery life | Approximately 1h |
| Battery charge time | 40min |
| **Interfaces** | |
| Video | Male Lightning (iOS), Male USB-C (Android) |
| Charging | Female USB-C (5V/1A) |
| **App** | |
| Video and still image display/capture | Saved as 1440x1080 |
| File formats | Photo – radiometric jpeg<br>Video – MPEG-4 (file format MOV (iOS), MP4 (Android)) |
| Capture modes | Video, Photo, Time lapse |
| Palettes | Gray (white hot), Hottest, Coldest, Iron, Rainbow,<br>Contrast, Arctic, Lava and Wheel. |
| Spot meter | Off / °C / °F. Resolution 0.1 °C / 0.1 °F |
| Adjustable MSX distance | 0.3m – Infinity |
| Battery charge monitor | 0 – 100% |