The FLIR ONE Pro and FLIR ONE Pro LT give you the power to find invisible problems faster than ever. With robust features such as multiple temperature meters and level/span controls, FLIR ONE Pro cameras work as hard as you do. The revolutionary VividIR™ image processing helps you see more details, FLIR MSX® adds sharpness and perspective, and the FLIR OneFit™ adjustable connector extends up to 4 mm to fit many popular protective cases. Whether you’re inspecting electrical panels, looking for HVAC problems, or finding water damage, the FLIR ONE Pro and FLIR ONE Pro LT are tools no serious professional should be without.

www.flir.com/flironepro

PRO-GRADE THERMAL CAMERAS FOR SMARTPHONES

FLIR ONE® Pro-Series

The FLIR ONE Pro and FLIR ONE Pro LT give you the power to find invisible problems faster than ever. With robust features such as multiple temperature meters and level/span controls, FLIR ONE Pro cameras work as hard as you do. The revolutionary VividIR™ image processing helps you see more details, FLIR MSX® adds sharpness and perspective, and the FLIR OneFit™ adjustable connector extends up to 4 mm to fit many popular protective cases. Whether you’re inspecting electrical panels, looking for HVAC problems, or finding water damage, the FLIR ONE Pro and FLIR ONE Pro LT are tools no serious professional should be without.

VividIR™ IMAGE PROCESSING

Detect problems with precision thanks to the FLIR ONE Pro-Series’ enhanced processing power

- Unique image processing technique generates images with up to 4x as many pixels for improved temperature measurement accuracy
- Enhances native IR resolution to output crisply detailed thermal images that are easy to interpret
- When combined with MSX®—which enhances thermal images with visual details—the FLIR ONE Pro-Series offers unsurpassed image quality for a mobile IR solution

PRO AND PRO LT MODELS

Get great results from the Pro LT or upgrade to the FLIR ONE Pro for higher resolution and improved sensitivity

- Choose the FLIR ONE Pro to record crisp 19,200 pixel IR images at a thermal sensitivity of 70 mK
- Record images with better clarity and temperature measurement accuracy by putting more pixels on the target
- Measure temperatures up to 400°C (752°F) with the FLIR ONE Pro, compared to a temperature maximum of 120°C (248°F) with the Pro LT

HARD-WORKING APP

Advanced, work-based features mean more professional problem solving and functionality

- Set multiple temperature spot meters and regions of interest for concurrent measurements
- See around corners or into awkward spaces by connecting to an Apple Watch or Android smartwatch
- Access real-time thermal tips through the FLIR ONE app and prepare professional reports through FLIR Tools® mobile app
**Specifications**

<table>
<thead>
<tr>
<th>Specifications by product</th>
<th>FLIR ONE Pro LT</th>
<th>FLIR ONE Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal pixel size</td>
<td>17 µm</td>
<td>12 µm</td>
</tr>
<tr>
<td>Thermal resolution</td>
<td>4,800 pixels (80 × 60)</td>
<td>19,200 pixels (160 × 120)</td>
</tr>
<tr>
<td>Thermal sensitivity</td>
<td>100 mK</td>
<td>70 mK</td>
</tr>
<tr>
<td>Object temperature range</td>
<td>-20°C to 120°C (-4°F to 248°F)</td>
<td>-20°C to 400°C (-4°F to 752°F)</td>
</tr>
<tr>
<td>Common features</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifications</td>
<td>MFi (iOS version), RoHS, CE/FCC, CEC-BC, EN62133</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0°C to 35°C (32°F to 95°F), battery charging 0°C to 30°C (32°F to 86°F)</td>
<td></td>
</tr>
<tr>
<td>Non-operating temperature</td>
<td>-20°C to 60°C (-4°F to 140°F)</td>
<td></td>
</tr>
<tr>
<td>Size (w × h × d)</td>
<td>68 × 34 × 14 mm (2.7 × 1.3 × 0.6 in)</td>
<td></td>
</tr>
<tr>
<td>Weight (incl. battery)</td>
<td>36.5 g</td>
<td></td>
</tr>
<tr>
<td>Mechanical shock</td>
<td>Drop from 1.8 m (5.9 ft)</td>
<td></td>
</tr>
<tr>
<td>Optical data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spectral range</td>
<td>8 – 14 µm</td>
<td></td>
</tr>
<tr>
<td>Visual resolution</td>
<td>1440 × 1080</td>
<td></td>
</tr>
<tr>
<td>HFOV / VFOV</td>
<td>50° ±1° / 43° ±1°</td>
<td></td>
</tr>
<tr>
<td>Frame rate</td>
<td>8.7 Hz</td>
<td></td>
</tr>
<tr>
<td>Focus</td>
<td>Fixed 15 cm – infinity</td>
<td></td>
</tr>
<tr>
<td>Measurement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±3°C (5.4°F) or ±5%, typical percent of the difference between ambient and scene temperature. Applicable 60 sec after start-up when the unit is within 15°C to 35°C (59°F to 95°F) and the scene is within 5°C to 120°C (41°F to 248°F)</td>
<td></td>
</tr>
<tr>
<td>Emissivity correction</td>
<td>Matte, Semi-Matte, Semi-Glossy, Glossy</td>
<td></td>
</tr>
<tr>
<td>Measurement correction</td>
<td>Emissivity; Reflected apparent temperature (22°C / 72°F)</td>
<td></td>
</tr>
<tr>
<td>Shutter</td>
<td>Automatic/Manual</td>
<td></td>
</tr>
</tbody>
</table>

**Power**

- **Battery life**: Approximately 1 hr
- **Battery charge time**: 40 min

**Interfaces**

- **Video**: Male Lightning (iOS), Male USB-C (Android), Micro-USB (Android)
- **Charging**: Female USB-C (5V/1A)

**App**

- **Image presentation modes**: Infrared, visual, MSX, gallery
- **VividIR**: Yes
- **Palettes**: Gray (white hot), Hottest, Coldest, Iron, Rainbow, Rainbow HC, Arctic, Lava, and Wheel
- **Capture modes**: Video, photo, time-lapse
- **Video and still image display/capture**: Saved as 1440 × 1080
- **File formats**: Radiometric JPG, MPEG-4 (file format MOV (iOS), MP4 (Android))
- **Spot meter**: On/off; Resolution 0.1°C (0.1°F)
- **Adjustable MSX distance**: 0.3 m – infinity
- **Visual battery indicator**: 0-100%

Specifications by product:

- FLIR ONE Pro LT
- FLIR ONE Pro

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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