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# FLIR ONE Edge Pro

**P/N: 11002-0201**

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## Website

<http://www.flir.com>

## Customer support

<http://support.flir.com>

## Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to [exportquestions@flir.com](mailto:exportquestions@flir.com) with any questions.



## Key features

- Wireless image streaming over Wi-Fi.
- New innovative form factor that enables new flexible ways of using the camera – mounted on mobile device, or separated to look into narrow/hard to reach spaces.
- Compatibility with common phones & tablets.
- Easy, fast and secure way of attaching/detaching to mobile device.
- Seamless device pairing.
- Battery time at least 1 h 30 min.
- Compact size – easy to bring in pocket/tool box.
- 160x120 resolution.
- MSX & VividIR.
- Efficient troubleshooting functionality in app.
- File upload to FLIR Ignite cloud.
- One camera that works with both android & iOS – easier to share between colleagues.
- Fast charging.
- Quick battery indication – saves time.
- Fast camera start-up.

## Additional FLIR Software

- FLIR Ignite Web – cloud backup, organizing files and collaborating with colleagues/clients, quick reporting.
- FLIR Thermal Studio – Professional editing and reporting on PC. Easily access your FLIR ONE images in FLIR Thermal Studio via FLIR Ignite Sync.
- FLIR Tools Mobile app – import FLIR ONE images and create reports on the go.

## Third party mobile apps

Solutions tailored to specific use cases.

- Magicplan – For building inspections. Allows home owners and contractors to identify air leakage and create custom reports to address the problems.
- Rocketplan – For building restoration management. Moisture logs, damage assessment and efficient documentation.
- Multisens – For conditioning monitoring professionals. Test drive and calibrate the Flir ONE Edge Pro.
- Verifli – For beehive inspection. Non-invasive, unbiased hive grading for growers and beekeepers.
- Vernier – For education purposes. Live thermal data in physics experiments, for college and high school students.

## FLIR Mobile SDK

- FLIR Mobile Software Development Kit (SDK) is an easy to use, powerful, and flexible development platform that enables industries and independent app developers to create powerful and creative apps by integrating thermal data, images, and video from thermal cameras and readings from connected meters.

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| Imaging and optical data  |   |
|---|---|
| NETD  | 70 mK   |
| Field of view   | 54° × 42°   |
| Minimum focus distance  | <ul style="list-style-type: none"><li>Thermal: 0.3 m (0.98 ft.)</li><li>MSX: 0.3 m (0.98 ft.)</li></ul>   |
| Spatial resolution (IFOV)   | 6.3 mrad/pixel  |
| F-number  | 1.1   |
| Image frequency   | 8.7 Hz  |
| Focus   | Focus free  |
| Detector data   |   |
| Focal Plane Array   | Uncooled microbolometer   |
| Spectral range  | 8–14 μm   |
| Detector pitch  | 12 μm   |
| Thermal resolution  | 160 × 120   |
| Measurement   |   |
| Object temperature range  | <ul style="list-style-type: none"><li>-20°C to 120°C (-4°F to 248°F)</li><li>0°C to 400°C (32°F to 752°F)</li></ul>   |
| Accuracy at ambient temp. 15°C to 35°C (59°F to 95°F) and object temp. above 0°C (32°F) | ±3°C (±5.4°F) or 5%, whichever is higher.<br>Applicable 60 sec after start-up.  |
| Set-up  |   |
| Set-up commands   | Local adaptation of units, language, date, and time formats.  |
| Languages   | Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Simpl. Chinese, Spanish, Swedish, Trad. Chinese, Turkish.<br><br>Dependent on the language set in the mobile device. |
| Storage of images   |   |
| Storage of images   | Yes, in the FLIR ONE app, gallery of the mobile device (optional), and FLIR Ignite cloud service.   |
| Image file format   | <ul style="list-style-type: none"><li>Standard JPEG</li><li>16-bit measurement data included.</li></ul>   |
| Video file format   | MPEG-4 (MP4)  |
| Digital camera  |   |
| Resolution  | 1440 × 1080 (Interpolated from 640 × 480)   |
| Focus   | Fixed focus 30 cm – infinity.   |
| Power system  |   |
| Battery type  | Rechargeable Li-ion polymer battery.  |
| Battery voltage   | 3.7 V   |
| Battery operating time  | 2 h 30 min  |
| Charging system   | Female USB-C (5 V/1 A)  |
| Charging time   | 60–90 min for fully charged.<br><br>15 min charging, from empty battery, gives 40 min operating time.   |

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| Power system      |  |
|-------------------|--|
| Power management  | Automatic shut-down.   |
| Battery documents | For documents like MSDS and UN38.3 test reports/summaries, see:<br><a href="https://support.flir.com/resources/msds">https://support.flir.com/resources/msds</a> |

| Environmental data          |   |
|-----------------------------|---|
| Operating temperature range | –10°C to +50°C (+14°F to +122°F)<br>Battery charging 0°C to +45°C (+32°F to +113°F) |
| Storage temperature range   | –40°C to +70°C (–40°F to +158°F)  |
| Drop                        | 2 m (6.56 ft)   |
| Encapsulation               | Camera housing and lens: IP 54 (IEC 60529)  |

| Compliance                |  |
|---------------------------|--|
| Battery regulations       | UL 1642, EN 62133 ED2  |
| EMC                       | <ul style="list-style-type: none"><li>EN 301 489-1</li><li>FCC 47 CFR Part 15 Class B</li><li>ICES-003</li></ul> |
| Magnetic fields           | EN 61000-4-8   |
| RoHS                      | RoHS 2011/65/EU and 2015/863/EU  |
| WEEE                      | WEEE 2012/19/EU  |
| Declaration of conformity | See: <a href="https://support.flir.com/resources/DoC">https://support.flir.com/resources/DoC</a>                 |

| App                                      |  |
|--|--|
| Auto orientation                         | Yes  |
| Image adjustment (alignment calibration) | Yes  |
| VividIR                                  | Yes  |
| Capture modes                            | <ul style="list-style-type: none"><li>Video</li><li>Photo</li></ul>  |
| Image presentation modes                 | <ul style="list-style-type: none"><li>Infrared image</li><li>Visual image</li><li>MSX</li></ul>  |
| Measurement analysis                     | <ul style="list-style-type: none"><li>3 adjustable measurement spots, °C/°F.</li><li>Tracking of hottest &amp; coldest spot.</li></ul><br>Resolution 0.1°C / 0.1°F             |
| Emissivity correction                    | Yes;<br><ul style="list-style-type: none"><li>matte</li><li>semi-matte</li><li>semi-glossy</li><li>glossy</li></ul>  |
| Measurements correction                  | <ul style="list-style-type: none"><li>Emissivity</li><li>Reflected apparent temperature +22°C (+72°F)</li></ul>  |
| Color palettes                           | <ul style="list-style-type: none"><li>Iron</li><li>Rainbow</li><li>Rainbow HC</li><li>Gray</li><li>Arctic</li><li>Lava</li><li>Wheel</li><li>Hottest</li><li>Coldest</li></ul> |

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| App                    |   |
|------------------------|---|
| Camera software update | Yes   |
| Battery indicator      | 0-100%  |
| Data communication     |   |
| Wi-Fi                  | IEEE 802.11 a/b/g/n   |
| USB                    | USB 2.0, Type-C connector   |
| Bluetooth              | Bluetooth   |
| Radio                  |   |
| Wi-Fi                  | Standard: 802.11 a/b/g/n  |
| Bluetooth              | <ul style="list-style-type: none"><li>Frequency range:<ul style="list-style-type: none"><li>2400–2484 MHz</li></ul></li></ul> |
| Physical data          |   |
| Weight (incl. battery) | 153 g (5.4 oz.)   |
| Size (L × W × H)       | 14.9 × 3.5 × 3.75 cm (5.9 × 1.4 × 1.5 in.)  |
| Housing material       | <ul style="list-style-type: none"><li>PC-ABS/TPE</li><li>Zinc</li><li>Silicone rubber</li><li>Aluminum</li></ul>              |
| Color                  | Black   |
| Shipping information   |   |
| Packaging, type        | Cardboard box   |
| List of contents       | <ul style="list-style-type: none"><li>Infrared camera</li><li>USB-C cable</li><li>Printed documentation</li></ul>             |
| Packaging, weight      | 355 g (12.5 oz.)  |
| Packaging, size        | 16.5 × 9.8 × 5.1 cm (6.5 × 3.9 × 2.0 in.)   |
| EAN-13                 | 4743254006072   |
| UPC-12                 | 845188026844  |
| Country of origin      | Estonia   |

## Supplies & accessories:

- T912180ACC; FLIR ONE Edge Pouch

