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FLIR ONE Pro Thermal Camera for iOS Lightning



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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

Standard Measurement Temperature (°C):
-20°C — 120°C (-4°F — 248°F) and 0°C — 400°C
(32°F — 752°F)

Thermal **Spectrum:**

General

FLIR ONE **Model Number:**

Note:

For use with iOS Lightning

Contents of Kit:

Thermal Camera, Carrying Case, USB Charging Cable, Quick Start Guide

Operating Lifetime (hours):

1 hr

Physical & Mechanical Properties

Weight (g):

36.5 g

Dimensions (mm):

68 × 34 × 14 mm (2.7 × 1.3 × 0.6 in)

Accuracy (%):

±3°C 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 — 35°C and the scene is within 5°C — 120°C.

Optical Properties

Resolution:

160 × 120 (19,200 pixels)

Color:

Gray (white hot), Hottest, Coldest, Iron, Contrast, Arctic, Lava and Color Wheel

Spectral Range:

8 – 14 μm

Hardware & Interface Connectivity

Connector:

Female USB-C (5V/1A)

Threading & Mounting

Mount:

Mounts directly to most iOS Lightning phone case designs.

Environmental & Durability Factors

Operating Temperature (°C):

0°C — 35°C (32°F — 95°F), battery charging 0°C — 30°C (32°F — 86°F)

Storage Temperature (°C):

-20°C — 60°C (-4°F — 140°F)

Regulatory Compliance

Certificate of Conformance:

[View](#)

Product Details

- Smartphone-Based Thermal Imagers for Inspections and Troubleshooting
- Simple Operation with Intuitive Mobile App Interface
- Direct Connection or Wireless Options (Model Dependent)

The FLIR ONE Series delivers accessible, smartphone-based thermal imaging for a wide range of inspection and troubleshooting tasks. These lightweight cameras connect directly to your smartphone or, in select models, offer wireless connectivity for added flexibility in the field. The FLIR ONE Edge (80 × 60 resolution) is ideal for basic thermal checks, such as identifying heat loss, moisture issues, or electrical concerns around the home or job site. The FLIR ONE Pro (160 × 120 resolution) offers enhanced detail for contractors, inspectors, and service professionals who need greater image clarity. The FLIR ONE Edge Pro combines advanced resolution with wireless convenience and improved performance for more demanding inspections. With compact designs and affordable price points, the FLIR ONE Series makes thermal imaging simple to integrate into everyday workflows.

Model	FLIR ONE® Pro	FLIR ONE® Edge	FLIR ONE® Edge Pro
Resolution	160 x 120 (19,200 pixel)	80 x 60 (4,800 pixel)	160 x 120 (19,200 pixel)
Temp Range	-20 to 400°C (-4 to 752°F)	-20 to 120°C (-4 to 248°F)	-20 to 400°C (-4 to 752°F)
Thermal sensitivity	<0.07°C	<0.07°C	<0.07°C

Accuracy: ±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)