

FLIR ONE Pro Thermal Camera for Android USB-C Phones



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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 Android USB-C	
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 Android USB-C 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 × 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)