



PROFESSIONAL-LEVEL THERMAL IMAGING
FOR IOS® AND ANDROID™ SMARTPHONES

FLIR ONE® PRO-SERIES



CHOOSE THE FLIR ONE PRO LT FOR:

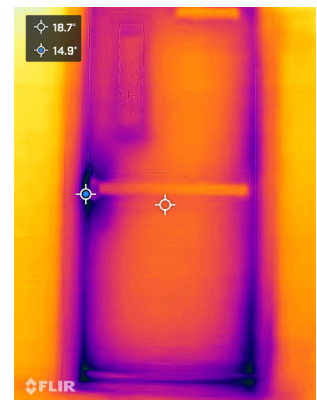
- The most affordable option
- Thermal image resolution of 4,800 pixels
- Temperature measurements up to 120°C (248°F)
- The thermal sensitivity needed to detect temperature differences down to 100 mK
- VividIR™ thermal image enhancement to produce sharper, crisper images
- FLIR MSX® technology, which overlays visual details onto thermal images for added perspective
- The FLIR OneFit™ connector extends up to 4 mm to attach the FLIR ONE to a smartphone through many popular phone cases

CHOOSE THE FLIR ONE PRO FOR:

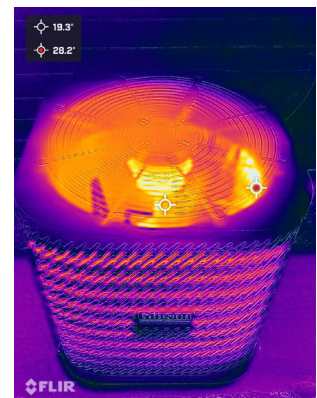
- The highest thermal image resolution at **19,200 pixels**—a 4x improvement over the Pro LT
- Maximum temperature measurements that are **3x higher** than the Pro LT—up to 400°C (752°F)
- The thermal sensitivity needed to detect temperature **differences down to 70 mK**
- VividIR™ thermal image enhancement to produce sharper, crisper images
- FLIR MSX® technology, which overlays visual details onto thermal images for added perspective
- The FLIR OneFit™ connector extends up to 4 mm to attach the FLIR ONE to a smartphone through many popular phone cases



Identify electrical faults



Find signs of air leaks
and poor insulation



Troubleshoot a condenser unit
for a plugged coil, refrigerant
leaks or issues with the motor

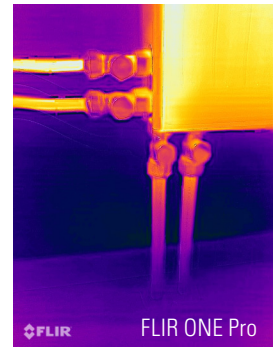
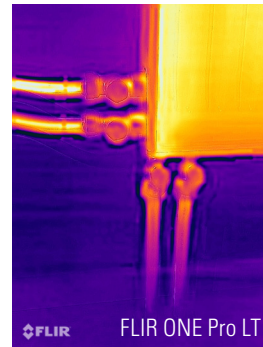
SPECIFICATIONS

Specifications by product	FLIR ONE Pro LT	FLIR ONE Pro
Thermal pixel size	17 μm	12 μm
Thermal resolution	4,800 pixels (80 \times 60)	19,200 pixels (160 \times 120)
Thermal sensitivity	100 mK	70 mK
Object temperature range(s)	-20°C to 120°C (-4°F to 248°F)	-20° to 120°C (-4°F to 248°F) 0°C to 400°C (32°F to 752°F)
HFOV / VFOV	50° / 38°	55° / 43°

Common specifications	
Measurement accuracy	$\pm 3^\circ\text{C}$ (5.4°F) or $\pm 5\%$, 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)
Operating temperature	0°C to 35°C (32°F to 95°F), 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 (w \times h \times d)	68 \times 34 \times 14 mm (2.7 \times 1.3 \times 0.6 in)
Weight (incl. battery)	36.5 g
Visual resolution	1440 \times 1080
Adjustable MSX distance	0.3 m – Infinity
Image presentation modes	Infrared, visual, MSX
VividIR	Yes
Palettes	Gray (white hot), Hottest, Coldest, Iron, Contrast, Arctic, Lava, and Color Wheel
Video and image capture	Video and photo, saved as 1440 \times 1080
File formats	Radiometric JPG, MPEG-4 (file format MOV for iOS, MP4 for Android)
Spot measurement	Hottest, Coldest and 3 spot measurement
Drop tested	Drop from 1.8 m (5.9 ft)

SEE THE DIFFERENCE!

Capture images with solid thermal contrast; the FLIR ONE Pro provides thermal sensitivity of 70 mK while FLIR ONE Pro LT provides 100 mK sensitivity



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

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