



Flir One®

Professional Thermal Camera for iOS™ and Android® Smartphones

<http://www.flir.com/products/FLIR-ONE-Gen-3>



The Flir One® (formerly Flir One® Gen 3) is an affordable smartphone attachment thermal imaging camera designed to help professionals find problems faster and get more work done in less time. With MSX® (Multi-Spectral Dynamic Imaging) technology, which enhances thermal images by embossing details from the visual camera onto the thermal image, you'll easily recognize where problems are located. Flir One cameras also provide a OneFit™ connector that adjusts and extends up to 4 mm to fit many popular protective cases. Whether inspecting electrical panels, looking for HVAC problems, or finding water damage, Flir One thermal imaging cameras enable users of all experience levels to work efficiently while on-the-go.

Now available with USB-C connector for iPhone!

AFFORDABLE THERMAL IMAGING

Track problems to the source with thermal imaging and MSX, making it easier to detect and diagnose issues.

COMPACT AND PORTABLE

Carry this lightweight, pocket-sized inspection tool with you to every job for convenient, on-the-go inspections.

FLEXIBLE REPORTING TOOLS

Improve workflow and share images using the sleek, intuitive Flir ONE® mobile app without ever leaving the job site; and quickly create professional reports using Flir Thermal Studio software.

Specifications

Key Specifications	
Thermal Resolution	80 × 60
Battery Life	Approximately 1h
Object Temperature Range	-20°C — 120°C (-4°F — 248°F)
Phone	FLIR ONE Gen 3 - iOS (Lightning): iOS FLIR ONE Gen 3 - Android (USB-C): Android FLIR ONE Gen 3 - iOS (USB-C): Apple (USB-C)
Accuracy	±3°C or ±5%, typical Percent of the difference between ambient and scene temperature. Applicable 60s after start-up when the unit is within 15 °C – 35 °C and the scene is within 5 °C – 120 °C.
Operating Temperature	0 °C – 35 °C (32°F – 95°F) , battery charging 0 °C – 30 °C (32°F – 86°F)
Spot Meter	One spot meter (centered).

Imaging & Optical	
Adjustable MSX distance	0.3m – Infinity
Focus	Fixed 15cm – Infinity
Frame Rate	8.7 Hz
HFOV/VFOV	50° ± 1° / 38° ± 1°
Palette	Gray (white hot), Hottest, Coldest, Iron, Contrast, Arctic, Lava and Color Wheel
Shutter	Automatic/Manual
Thermal Sensitivity [MRDT]	150 mK
Thermal Sensor	Pixel size 17 μm, 8 – 14 μm spectral range
Video and Still Image Display/Capture	Saved as 1440 × 1080
Visual Resolution	1440 × 1080
Power	
Battery charge time	40 min

Specifications, cont.



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Specifications, cont.

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General	
Battery charge monitor	0 – 100%
Dimensions (H x W x D)	34 × 67 × 14 mm (1.3 × 2.6 × 0.6 in)
Weight	36.3 g
Environmental & Certifications	
Certifications	MFi (iOS version), RoHS, CE/FCC, CEC-BC, EN61233
Drop test	Drop from 1.5m
Emissivity Settings	Matte: 95%, Semi-Matte: 80%, Semi-Glossy: 60%, Glossy: 30% Reflected background temperature is 22°C
Non-Operating Temperature	-20°C – 60°C (-4°F – 140°F)
Communication & Data Storage	
Capture modes	Video, Still image
Charging	Female USB-C (5V/1A)
File Formats	Still images – radiometric jpeg Video – MPEG-4 (file format MOV (iOS), MP4 (Android))
Video	Male Lightning (iOS), Male USB-C (Android)

Specifications subject to change. For the most up-to-date specifications, please visit www.flir.com.

For technical or sales support, please visit:
www.flir.com/about/general-inquiries

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