



FLIR ONE®

The next generation FLIR ONE transforms your iOS or Android device into a powerful thermal imager. Its advanced image processing includes FLIR MSX®, which blends the image detail from the color camera with the thermal image to give you the best of both worlds. The revolutionary OneFit™ adjustable-height connector ensures that your FLIR ONE will fit your phone or tablet, even when it's in a compatible protective case. An improved FLIR ONE app lets you stream thermal images to your smartwatch for remote viewing and share images and videos with social media while keeping you up to date on the latest FLIR ONE tips and tricks. Explore the neighborhood, solve problems around the house, and see the world from a new perspective with the new and improved FLIR ONE.

TWO CAMERAS FOR BETTER IMAGING

Explore the World with FLIR MSX® Blended Imaging for Better Image Detail and Clarity

- 80 x 60 thermal camera and an HD 1440 x 1080 visible camera
- See clearly in total darkness to explore your world in a whole new way
- On-screen spot thermometer gives real-time temperature of what you're looking at

OneFit CONNECTOR

Leave Your Case On - Adjustable Connector Means You Don't Have to Choose Between Thermal Vision and Safeguarding Your Device when Using Compatible Protective Cases

- Adjust length of USB-C and Lightning connector up to an additional 4 mm
- Reversible connectors for Android and iOS
- Secure the FLIR ONE to your mobile device while keeping your phone safe

POWERFUL APP

See Like a Pro – Real-Time Tips and Tricks, Connect to Your Smartwatch, Plus Easy Image Sharing

- Access tips and tricks to continually see new ways to use thermal imaging
- Stay connected to the FLIR ONE user community and easily share your images on social media
- See around corners and in awkward spaces by connecting to your Apple Watch or Android smartwatch

Specifications

General		FLIR One	
Certifications	MFi (iOS version), RoHS, CE/FCC, CEC-BC, EN61233		
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	67mm W x34mm H x14mm D (2.6in x 1.3in x .6in)		
Weight	34.5g		
Mechanical shock	Drop from 1.5m (4.9ft)		
Video			
Thermal and visual cameras with MSX			
Thermal sensor	Pixel size 17microns, 8 – 14microns spectral range		
Thermal resolution	80x60		
Visual resolution	1440x1080		
HFOV / VFOV	50 ° ± 1 ° / 38 ° ± 1 °		
Frame rate	8.7Hz		
Focus	Fixed 15cm – Infinity		
Radiometry			
Scene dynamic range	-20 °C to 120 °C (-4 °F to 248 °F)		
Accuracy	±3 °C (5.4 °F) or ±5%, typical Percent of the difference between ambient and scene temperature. Applicable 60s 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)		
Thermal sensitivity (MRTD)	150mK		
Emissivity settings	Matte: 95%, Semi-Matte: 80%, Semi-Glossy: 60%, Glossy: 30% Reflected background temperature is 22 °C (72 °F)		
Shutter	Automatic/Manual		
Power			
Battery life	Approximately 1h		
Battery charge time	40min		
Interfaces			
Video	Male Lightning (iOS), Male USB-C (Android)		
Charging	Female USB-C (5V/1A)		
App			
Video and still image display/capture	Saved as 1440x1080		
File formats	Still images – radiometric jpeg Video – MPEG-4 (file format MOV (iOS), MP4 (Android))		
Capture modes	Video, Still image, Time lapse		
Palettes	Gray (white hot), Hottest, Coldest, Iron, Rainbow, Contrast, Arctic, Lava and Wheel.		
Spot meter	Off / °C / °F. Resolution 0.1 °C / 0.1 °F		
Adjustable MSX distance	0.3m – Infinity		
Battery charge monitor	0 – 100%		

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