

FLIR SYSTEMS INC

Announcement of new IR camera for smart phones/tablets: FLIR ONE® Pro

The FLIR ONE Pro offers:

- Compatibility with iOS, USB-C, USB Micro enabled devices
- New adjustable connector
- Unsurpassed 160 x 120 resolution
- Improved temperature range
- Specific features for the “Pro” user including Vivid IR



Designed for your work, the FLIR ONE Pro thermal camera is a must-have for any contractor or inspector's tool box. New advanced VividIR™ image processing, 160 x 120 resolution, and temperature readings up to 752°F (400°C) combine to deliver the most advanced IR thermal camera for your phone or tablet available to the market. Best of all, FLIR designed a revolutionary new connector that works WITH many popular mobile devices in or out of a protective case.

FLIR ONE Pro Specifications

General	
Certifications	MFi (iOS version), RoHS, CE/FCC, CEC-BC, EN61233
Operating temperature	0 °C – 35 °C (32°F to 95 °F)
Non-operating temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Size WxHxD	68x34x14mm (2.6x.1.3x.55in)
Weight	36.5g (1.29oz)
Mechanical shock Drop	1.8m
Video	
Thermal and visual cameras with MSX	Yes
Thermal sensor Pixel size 8 – 14 µm spectral range	12µm
Thermal resolution	160x120
Visual Camera resolution	1440x1080
HFOV x VFOV	55° x 43°
Frame rate	8.7Hz
Focus	Fixed 15cm (5.9in) - Infinity
Radiometry	
Scene dynamic range	-20 °C to 400 °C (-4 °F to +752 °F)
Accuracy	±3°C or ±5%, typical
Thermal sensitivity	(MRDT) 150mK
Emissivity settings Matte:	95%, Semi-Matte: 80%, Semi-Glossy: 60%, Glossy: 30%
Power	
Battery life	Up to 1 Hour
Battery charge time	40 Minutes
Battery charge monitor	0 – 100%
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, Photo, Time lapse and Panorama
Fusion modes	
MSX	Yes
Visible only, Color Night Vision	Yes
Image quality enhancement VividIR	Yes
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	3 moveable
Adjustable MSX distance	0.3m (11.8in) – Infinity

FLIR ONE Pro General Information & Delivery



Part Numbers: (North America)

Ordering #	UPC	Model #	Description
435-0006-02	812462024087	FLIR ONE Pro for iOS	Thermal Imaging Phone Accessory for iOS 160x120 Lightning Connector
435-0007-02	812462024148	FLIR ONE Pro USB-C	Thermal Imaging Phone Accessory for Android 160x120 USB-C Connector
435-0011-03 (Late availability)	812462024407	FLIR ONE Pro micro-USB	Thermal Imaging Phone Accessory for Android 160x120 micro-USB Connector

FLIR ONE Pro Packaging Details:

Master pack size:	10 pieces
Carton Size L x W x H	8.62x14.44x6.61 (219x367x168mm)
Carton Weight	7.36lb (3.34kg)
Size individual packaging (LxWxH)	4.1 x 2.6 x 5.6in (103x67x141mm)
Weight (Sell Package)	.64 lbs (.3kg)
Harmonization Code	8525.80.3050
ECCN Number	6A993
Country of origin:	China (CN)

