



	FLIR One Pro	FLIR One
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 (2.6x1.3x.55in)	67x34x14mm (2.6x1.3x.55in)
Weight	36.5g (1.29oz)	34.5g (1.22oz)
Mechanical shock Drop	✓ 1.8m (5.9ft)	✗
Video		
Thermal and visual cameras with MSX	Yes	
Thermal sensor Pixel size 8 - 14 μm	12μm	17μm
Thermal resolution	✓ 160x120	80x60
Visual Camera resolution	1440x1080	
HFOV x VFOV	55° x 43°	50° x 38°
Frame rate	8.7Hz	
Focus	Fixed 15cm (5.9in) - Infinity	
Radiometry		
Scene dynamic range	✓ -20 °C to 400 °C (-4 °F to +752 °F)	-20 °C to 120 °C (-4 °F to +248 °F)
Accuracy	±3°C or ±5%, typical	
Thermal sensitivity	(MRDT) 150mK	
Emissivity settings Matte:	95%, Semi-Matte: 80%, Semi-Glossy: 60%, Glossy: 30%	
Power		
	FLIR One Pro	FLIR One
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	1 center
Adjustable MSX distance	Yes	