



## General

Certifications	MFi (iOS version), RoHS, CE/FCC, CEC-BC, EN61233
Operating temperature	0 °C – 35 °C, battery charging 0 °C – 30 °C
Non-operating temperature	-20 °C – 60 °C
Size	68mm W x34mm H x14mm D
Weight	36.5g
Mechanical shock	Drop from 1.8m

## Video

Thermal and visual cameras with MSX	
Thermal sensor	Pixel size 12um (Con), 8 – 14 um spectral range
Thermal resolution	160x120
Visual resolution	1440x1080
HFOV / VFOV	55° ± 1° / 43° ± 1° (Pro)
Frame rate	8.7Hz
Focus	Fixed 15cm – Infinity

## Radiometry

Scene dynamic range	-20 °C – 400 °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.
Thermal sensitivity (MRDT)	150mK
Emissivity settings	Matte: 95%, Semi-Matte: 80%, Semi-Glossy: 60%, Glossy: 30% Reflected background temperature is 22°C
Shutter	Automatic/Manual

## Power

Battery life	1h
Battery charge time	40min

## Interfaces

Video	Male Lightning (iOS), Male micro USB-C (Android)
Charging	Female micro 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 and Panorama
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%