HireHere

Thermal Imager

Specifications

IR Resolution	160 × 120 pixels
Thermal Sensitivity/NETD	<0.10°C (0.27°F) / <100 mK
Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (50°F to 95°F) and object temperature above 0°C (32°F)
Field of view (FOV)	45° × 34°
Image Modes	Thermal MSX, Thermal, Picture-in-Picture, Thermal blending, Digital camera.
Display	3.0 in. 320 × 240 color LCD

Imaging and Optical

Colour	Black and gray
Colour Palettes	Black & white, iron, and rainbow
Detector Type	Uncooled microbolometer
Field of view (FOV)	45° × 34°
FLIR Screen-EST Mode	No
f-number	1.5
Focus	Focus free
Image Frequency	9 Hz
Image Modes	Thermal MSX, Thermal, Picture-in-Picture, Thermal blending, Digital camera.
IR Resolution	160 × 120 pixels
Minimum Focus Distance	0.5 m (1.6 ft.)
Multi Spectral Dynamic Imaging (MSX)	IR image enhanced with visible camera detail
Picture-in-Picture	IR area on visual image
Spatial resolution (IFOV)	5.2 mrad
Spectral Range	7.5–13 µm
Thermal Sensitivity/NETD	<0.10°C (0.27°F) / <100 mK

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Measurement and Analysis

Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (50°F to 95°F) and object temperature above 0°C (32°F)
Camera size (L x W x H)	244 × 95 × 140 mm (9.6 × 3.7 × 5.5 in)
Camera weight incl battery	0.575 kg
Isotherm	Above alarm, below alarm
Object Temperature Range	−20°C to 400°C (-4°F to 752°F) in two ranges
Reflected apparent temperature correction	Automatic, based on input of reflected temperature
Set-up Commands	Local adaptation of units, language, date and time formats
Spot Meter	Center spot; box with min./max.

User Interface

Display	3.0 in. 320 × 240 colour LCD

Power

Charging system	Battery is charged inside the camera or in specific charger
Charging Time	2.5 hours to 90% capacity in camera. 2 hours in charger.
Power Management	Automatic shut-down

Environmental and Certifications

Certifications	UL, CSA, CE, PSE and CCC
EMC	WEEE 2012/19/EC •RoHs 2011/65/EC •C-Tick •EN 61000-6-3 •EN 61000-6-2 •FCC 47 CFR Part 15 Class B
Humidity (Operating and Storage)	IEC 60068-2-30/24 h 95% relative humidity
Operating Temperature Range	−15°C to 50°C (+5°F to 122°F)
Radio Spectrum	tandard: 802.11 b/g/n •Frequency range: •2400–2480 MHz •5150–5260 MHz •Max. output power: 15 dBm
Shock	25 g (IEC 60068-2-27)
Storage Temperature Range	−40°C to 70°C (−40°F to 158°F)

General

List of Contents	Infrared camera •Hard transport case •Battery (inside camera) •USB cable •Power supply/charger plugs •Printed documents
Packaging Size	385 × 165 × 315 mm