

B1L Thermographic Handheld Camera



The thermographic handheld camera is based on the thermal technology, specially designed for the needs of temperature measuring applications. People can quickly troubleshoot faults on-site.

Key Features

- Thermal resolution: 160 x 120 (19 200 pixels)
- NETD : < 40 mK (@ 25 °C,F#=1.0)
- Temperature measurement range : -20 °C ~550 °C (-4°F~1022°F)
- Accuracy: Max (± 2 °C or $\pm 2\%$)
- Measurement Presets: Center spot, Hot spot, Cold spot, User Preset Point
- 25 Hz image frequency
- 3.2" LCD touch screen display
- Up to 8 hours continuous running

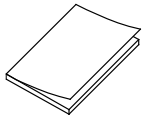
Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
IR Resolution	160 x 120 (19 200 pixels)
Pixel Pitch	17 μ m
Spectral Range	8 - 14 μ m
NETD	< 40 mK (@25°C), F#=1.0
Focal Length	3.5mm
FOV (Field of View)	32.9°x44.4°
Image Frequency	25 Hz
Focus	Fixed
IFOV (Spatial Resolution)	4.85 mrad
Aperture	F1.1
Minimum Focus Distance	0.3 m (0.98 ft)
Image Display	
Display	320 x 240 Resolution, 3.2" LCD Screen
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow
Measurement and Analysis	
Object Temperature Range	-20 °C to 550 °C (-4 °F to 1022 °F)
Accuracy	Max (± 2 °C, $\pm 2\%$)
Measurement Presets	Center Spot, Hot Spot, Cold Spot, User Presents Point, Off
High Temperature Alarm	Audible Warning
Storage	
Storage Media	EMMC (4 GB)
Image Storage Capacity	30 000 Images
Image File Format	BMP with Measurement Data Included
Functions	
Wi-Fi	802.11 b/g/n (2.4GHz)
UVC Cast Screen	Yes
Level/ Span	Auto/Manual
Menu Language	17 Languages English, Russian, Hungarian, German, Italian, Czech, Slovak, French, Polish, Portuguese, Spanish, Romanian, Danish, Turkish, Korean, Traditional Chinese, Japanese
Power System	
Power Supply	3.7 V DC/0.4 A
Power Consumption	1.5 W
Battery Type	Rechargeable Li-ion Battery
Battery Operating Time	8 Hours Continuous Running

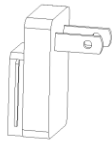
General

Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Storage Temperature Range	-20 °C to 60 °C (-4 °F to 140 °F)
Protection level	IP54
Drop Test Height	2 m (6.56 ft)
Interface	USB Type-C
Weight	Approx. 360 g (0.79 lb)
Dimension	221.7 mm × 123.8 mm × 73.5 mm (8.73" × 4.87" × 2.89")
Tripod Mounting	UNC ¼"-20

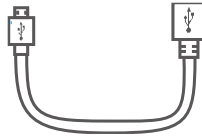
Package Contents



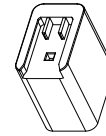
Quick Start Guide
(x1)



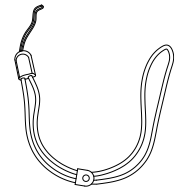
Adapters (x5)



USB Cable (x1)



Power Adapter (x1)



Wrist Strap (x1)

Order Model

HM-TP51-3AXF-B1L

Dimension

