B21L
B Series Handheld Thermal Camera

HIKMICRO B21L is designed for temperature measurement to find invisible faults. It's equipped with a 256 × 192 high-resolution thermal detector, giving you enhanced details for your inspection. The thermography ranges from -20°C to 550°C (-4°F to 1022°F), which meets the most situation. It helps the staff to quickly find the fault according to accurate temperature measurements of high-temperature targets in the environment. Meanwhile, it provides assistance decisions and ensures safety. The device is mainly applied to various industries, such as Building, HVAC, auto industry, etc.

Key Feature
- Thermal resolution: 256 × 192 (49,152 pixels)
- NETD: < 40 mK (@ 25 °C,F#=1.0)
- Temperature measurement range : -20°C to 550°C (-4°F to 1022°F）
- Accuracy: Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
- Measurement presets: Center spot, Hot spot, Cold spot, User Preset Point
- 25 Hz image frequency
- 3.2'' LCD screen display
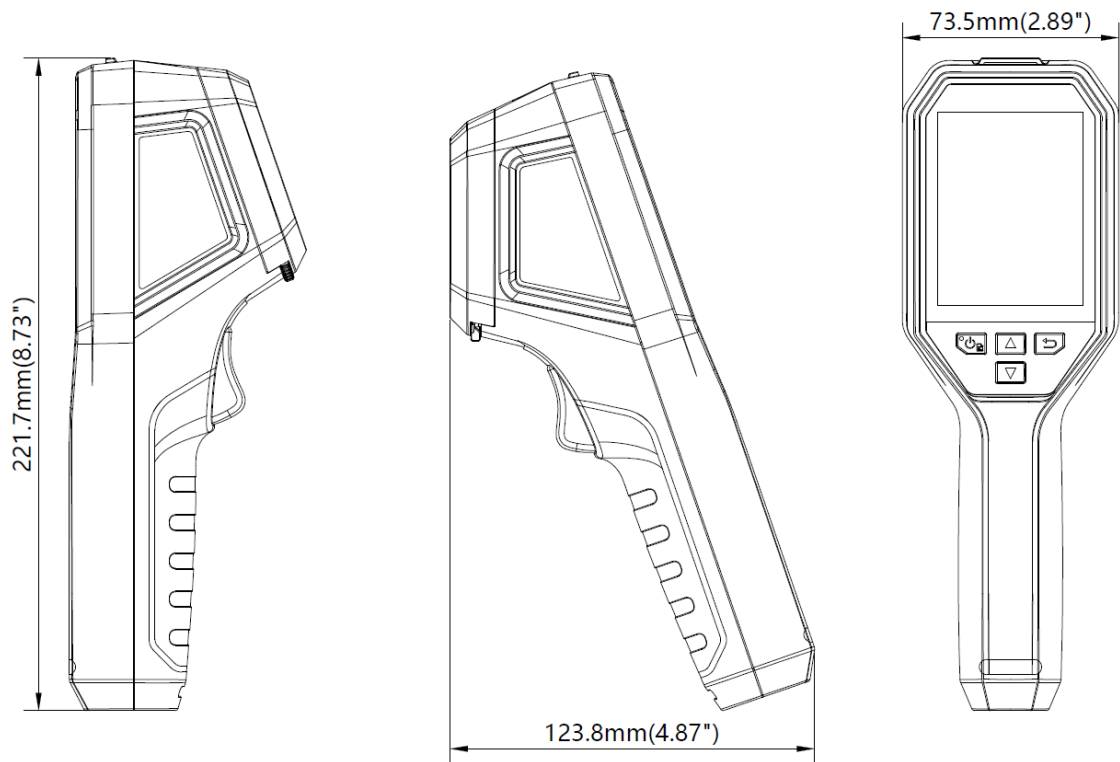- Up to 6 hours continuous running

▪ Specification

Infrared Image	
IR Resolution	256 × 192 (49,152 pixels)
NETD	< 40 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 μm
Spectral Range	7.5 to 14 μm
Focal Length	3.6 mm
F-number	F1.0
Field of View (FOV)	37.2° × 50.0°
Spatial Resolution (IFOV)	3.3 mrad
Min. Focus Distance	0.3 m (0.98 ft)
Focus Mode	Focus Free
Image Display	
Display	240 × 320 Resolution, 3.2"LCD Screen
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow
Color Alarm	Above alarm
Image Modes	Thermal
Measurement and Analysis	
Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
Accuracy	Max. (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
Measurement Tools	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots
Level and Span Mode	Auto/Manual
Data Storage and Communication	
Storage Media	Built-in 16 GB flash memory
Image Storage Capacity	Approx. 90,000 Images
General	
Wi-Fi	802.11 b/g/n (2.4 GHz)
USB Interface	USB Type-C
Battery Type	Rechargeable Li-ion battery
Battery Operating Time	Approx. 6 hours
Battery Charging Time	Approx. 3 hours fully charged
Protection Level	IP54
Drop Test Height	2 m (6.56 ft)
Working Temperature Range	-10°C to 50°C (14°F to 122°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	< 95% non-condensing
Weight	Approx. 380 g (0.84 lb)
Dimension	221.7 mm × 73.5 mm × 123.8 mm (8.73'' × 2.89'' × 4.87'')
Tripod Mounting	UNC ¼"-20
Laser	Yes, Class II

▪ Available Model

B21L

▪Dimension

221.7mm(8.73")

123.8mm(4.87")

73.5mm(2.89")

▪Optional Accessories

HM-2925ZJ-TM01-BRACKET   HM-B201-MACRO   HM-B01-POUCH

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HIKMICRO

FULL PRODUCT **3** YEARS ★

DETECTOR **10** YEARS ★

BATTERY **2** YEARS ★