

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

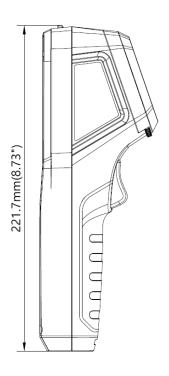
Specification

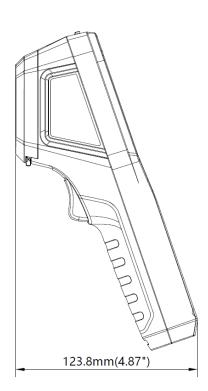
| Infrared Image | |
|--------------------------------|--|
| IR Resolution | 256 × 192 (49,152 pixels) |
| NETD | < 40 mK (@ 25 °C, F#=1.0) |
| Image Frequency | 25 Hz |
| Detector Pitch | 12 μm |
| Spectral Range | 7.5 to 14 µm |
| Focal Length | 3.6 mm |
| F-number | F1.0 |
| Field of View (FOV) | 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. (\pm 2°C/3.6°F, \pm 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 | 221.7 mm × 73.5 mm × 123.8 mm (8.73" × 2.89" × 4.87") UNC ¼"-20 |

Available Model

B21

Dimension







Optional Accessories







HM-2925ZJ-TM01-BRACKET

HM-B201-MACRO

HM-B01-POUCH

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