

B21LS B Series Handheld Thermal Camera



HIKMICRO B21LS is designed for temperature measurement to find invisible faults. It's equipped with a 256 x 192 resolution thermal detector. The thermography ranges from -20°C to 550°C (-4°F to 1022°F). Which meets most situations. 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, and auto industry, etc.

Features

- IR 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)
- Support Multiple Scene modes, Some support SuperScene intelligent detection
- 25 Hz image frequency
- 3.2" 480 × 640 Resolution LCD Screen
- Up to 6 hours continuous running
- Support SuperIR image enhancement technology

Specification

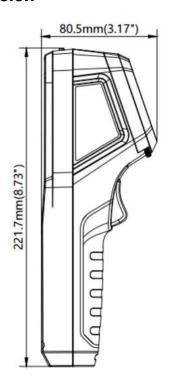
Resolution 256 × 192 (49,152 pixels)	Infrared Image	
NETD	IR Resolution	256 × 192 (49,152 pixels)
Image Frequency 25 Hz Detector Pitch 12 μm Spectral Range 7.5 to 14 μm Focal Length 3.6 mm F-number F1.0 Field of View (FOV) 37.2° × 50.0° Spatial Resolution (IFOV) 33. mrad Min. Focus Distance 0.3 m (0.98 ft) Focus Mode Focus Free Image Display Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Thermal Measurement and Analysis Super Scene Intelligent Detection Alarm Linkage Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm Linkage Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm Linkage Analysis (center spot, max spot, min spot, off) 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) Accuracy Finand Object temperature above 0°C (32°F) Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Image File Format Pale Over UVC and Wi-Fi Storage Media Over UVC and Wi-Fi	SuperIR	Yes, on captured images and live view
Detector Pitch 12 µm Spectral Range 7.5 to 14 µm Focal Length 3.6 mm F-number F1.0 Spatial Resolution (IFOV) 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 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Internal Measurement and Analysis Super Scene Intelligent Detection Alarm Linkage Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm Linkage Audible Warning, Alarm Mode Palettes Temperature Measurement More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 h Roceneral Wi-Fi 802.11 b/g/n (2.4GHz)	NETD	< 40 mK (@ 25 °C, F#=1.0)
Detector Pitch 12 µm Spectral Range 7.5 to 14 µm Focal Length 3.6 mm F-number F1.0 Spatial Resolution (IFOV) 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 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Internal Measurement and Analysis Super Scene Intelligent Detection Alarm Linkage Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm Linkage Audible Warning, Alarm Mode Palettes Temperature Measurement More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 h Roceneral Wi-Fi 802.11 b/g/n (2.4GHz)	Image Frequency	25 Hz
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Object Temperature Range Range 100°C to 550°C (212°F to 1022°F) 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) Level and Span Mode Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Radiometric JPEG Video Storage Capacity Approx.114.3 h Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Alarm	More than, Less than
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Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Image File Format	Radiometric JPEG
Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Video Storage Capacity	Approx.114.3 h
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Wi-Fi 802.11 b/g/n (2.4GHz)	Streaming (Compressed)	
- 3 (,	General	
USB Interface USB Type-C	Wi-Fi	802.11 b/g/n (2.4GHz)
	USB Interface	USB Type-C
Battery Type Rechargeable Li-ion battery	Battery Type	Rechargeable Li-ion battery

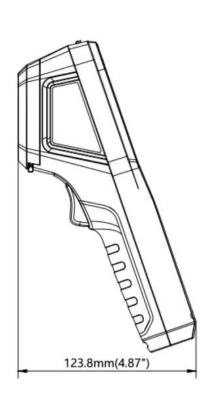
Battery Operating Time	Approx. 6 hours
Battery Charging Time	Approx. 3 hours fully charged
Protection Level	IP54
Drop Test Height	2 m (6.56 ft)
Working Temperature Range	-10°C to 50°C (14°F to 122°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	< 95% non-condensing
Weight	Approx. 380 g (0.84 lb)
Dimension	221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)
Tripod Mounting	UNC 1/4" -20
Power Supply	USB-C (5V/2A)
Laser	Yes, Class II

Available Model

HM-TP52+-3AQF/W-B21LS

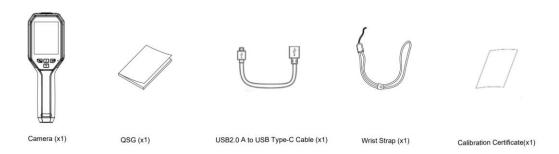
Dimension







Packaging List



- Accessory
- Optional

HM-B201-MACRO Thermography Camera Macro Lens

HM-B01-POUCH POUCH





■ COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.







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*Note: Specifications are subject to change without notice. For the current specs, please go to www.hikmicrotech.com