

## B01 B Series Handheld Thermal Camera



HIKMICRO B01 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.

### ▪ Features

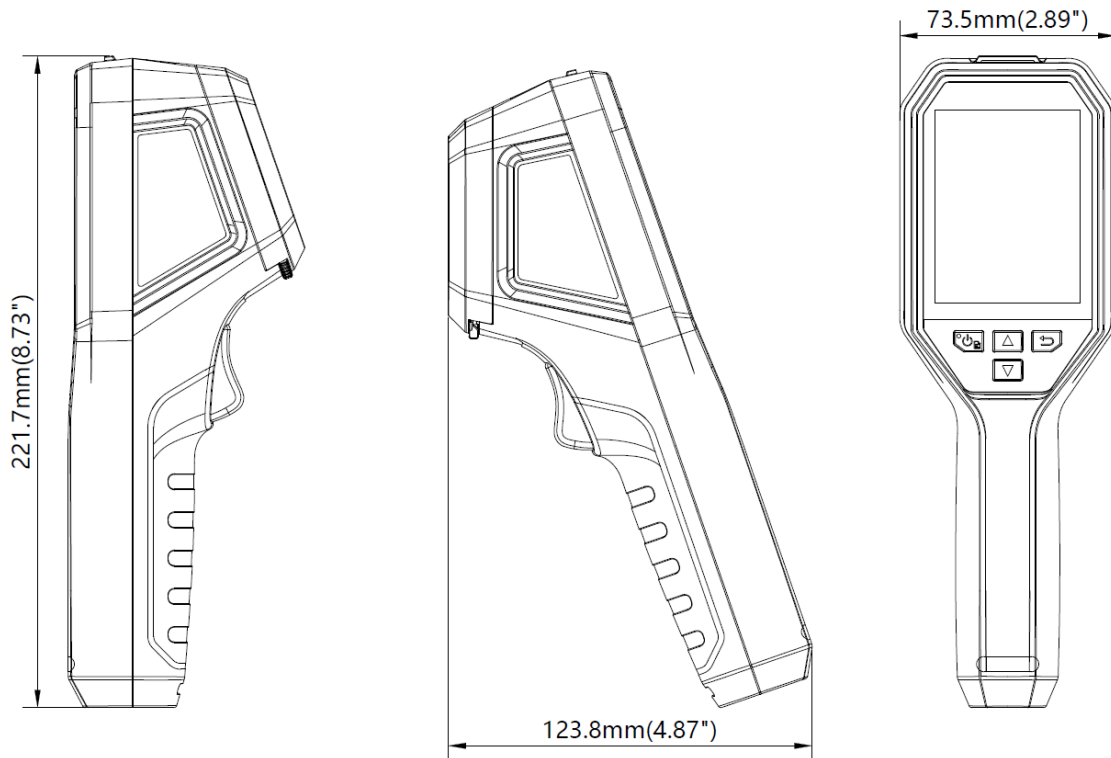
- Thermal resolution: 256× 192 (49,152 pixels)
- NETD : < 40 mK (@ 25 °C,F#=1.0)
- Temperature measurement range : -20°C to 550°C (-4°F to 1022°F)
- Accuracy: Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
- Measurement presets: Center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

## ▪ Specification

<b>Infrared Image</b>	
IR Resolution	256 × 192 (49,152 pixels)
SuperIR	Yes, on captured thermal images
Distance to Spot Ratio (D:S)	45:1
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
<b>Image Display</b>	
Display	240 × 320 Resolution, 3.2"LCD Screen
Image Modes	Thermal
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion
Screen Brightness	Manual
<b>Measurement and Analysis</b>	
Alarm	More than, Less than
Alarm Linkage	Audible Warning, Alarm Mode Palettes
Temperature Measurement Mode	Measurements presets (center spot, max spot, min spot, off)
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)
Level and Span Mode	Auto/Manual
<b>Data Storage and Communication</b>	
Storage Media	Built-in 16 GB eMMC(user available storage space is less than the nominal capacity)
Image Storage Capacity	Max 30,000 Images
Image File Format	Radiometric JPEG
Video Storage Capacity	MP4 Approx. 154h, HRV Approx. 22h
Video File Format	MP4, HRV
Radiometric Infrared-Video Streaming (Compressed)	Over UVC and Wi-Fi
<b>General</b>	
Wi-Fi	802.11 b/g/n (2.4GHz)
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 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)
Tripod Mounting	UNC ¼"-20
Power Supply	USB-C (5V/2A)

## ▪ Dimension



## ▪ Packaging List



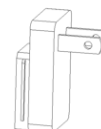
Camera (× 1)



USB 2.0 A to USB Type-C Cable  
(× 1)



Power Supply for Battery  
Charger (× 1)



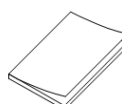
International Use Plugs  
(US/EU/UK/AU) for Power Supply



Calibration Certificate  
(× 1)



Wrist Strap (× 1)



QSG (× 1)

## ▪ Accessory

### ▪ Optional

HM-B01-POUCH  
POUCH



HM-B201-MACRO  
Thermography  
Camera Macro Lens



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\*Note: Specifications are subject to change without notice. For the current specs,  
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