

# B01 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.

#### **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

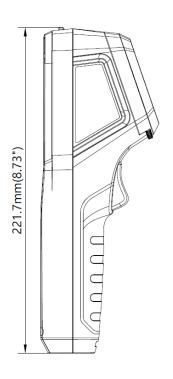
## Specification

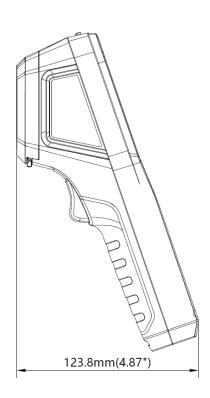
SuperIR         Yes, on captured thermal images           IR Resolution         256 × 192 (49,152 pixels)           NETD         < 40 mK (@ 25 °C, F#=1.0)           Image Frequency         25 Hz           Detector Pitch         12 µm           Spectal Range         7.5 to 14 µm           Focal Length         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         240 × 320 Resolution, 3.2°LCD Screen           Color Palettes         White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion           Image Modes         Thermal           Measurement and Analysis         Object Temperature Range           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 Jack Media         Built-in 16 GB flash memory           Level and Span Mode         Auto/Manual           Data Storage Capacity         Approx. 90,000 Images <th colspan="2">Infrared Image</th>	Infrared Image	
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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         Verence           Color Palettes         White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion           Image Modes         Thermal           Measurement and Analysis         Verence           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 Communicature         Verechefinable: 3 spots           Storage Media         Built-in 16 GB flash memory           Image Storage Capacity         Approx. 90.000 Images           General           Wi-Fi         802.11 b/g/n (2.4GHz)           USB Interface         USB Type-C           Battery Type         Rechargeable Li-ion battery           Batte	Detector Pitch	12 μm
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Focus Mode   Focus Free   Image Display   240 × 320 Resolution, 3.2"LCD Screen   Color Palettes   White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion   Image Modes   Thermal   Therma	. ,	0.3 m (0.98 ft)
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Accuracy and object temperature above 0°C (32°F)  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 (2.4GHz) 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 Approx. 380 g (0.84 lb) Dimension 221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)		· · ·
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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 (2.4GHz)  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 -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)		User-definable: 3 spots
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Image Storage Capacity  General  Wi-Fi  802.11 b/g/n (2.4GHz)  USB Interface  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  4 pprox. 380 g (0.84 lb)  Dimension  221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)	Data Storage and Communication	
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USB Interface  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  4 pprox. 380 g (0.84 lb)  Dimension  221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)	General	
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Weight       Approx. 380 g (0.84 lb)         Dimension       221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)	Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Dimension 221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)	Relative Humidity	< 95% non-condensing
	Weight	Approx. 380 g (0.84 lb)
Tripod Mounting UNC 1/4"-20	Dimension	221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)
	Tripod Mounting	UNC 1/4"-20

#### Available Model

B01

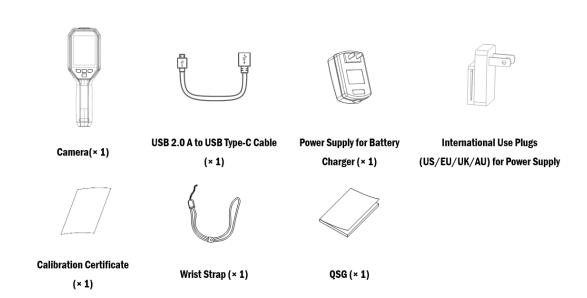
### Dimension







#### Packaging List



#### Optional Accessories



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