

B11 B Series Handheld Thermal Camera



HIKMICRO B11 is designed for temperature measurement to find invisible faults. It's equipped with a 192 × 144 resolution thermal detector and a 2MP optical detector. 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: 192 × 144 (27,648 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

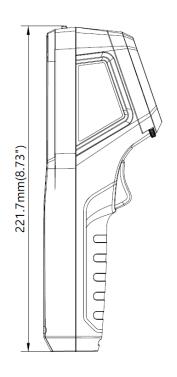
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Infrared Image		
IR Resolution	192 × 144 (27,648 pixels)	
SuperIR	Yes, on captured thermal images	
NETD	< 40 mK (@ 25 °C, F#=1.0)	
Image Frequency	25 Hz	
Detector Pitch	12 μm	
Spectral Range	7.5 to 14 µm	
Focal Length	3.6 mm	
F-number	F1.0	
Field of View (FOV)	27.8° × 37.2°	
Spatial Resolution (IFOV)	3.3 mrad	
Min. Focus Distance	0.3 m (0.98 ft)	
Focus Mode	Focus Free	
Image Display		
Visual Camera	1600 × 1200 (2 MP)	
Display	240 × 320 Resolution, 3.2"LCD Screen	
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion	
Color Alarm	Above alarm	
Image Modes	Thermal/Visual/Fusion/PIP	
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 (2.4GHz)	
LED Light	Yes	
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	

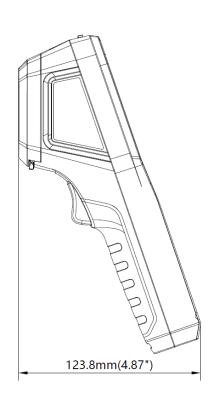
Weight	Approx. 380 g (0.84 lb)
Dimension	221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)
Tripod Mounting	UNC 1/4"-20

Available Model

B11

Dimension





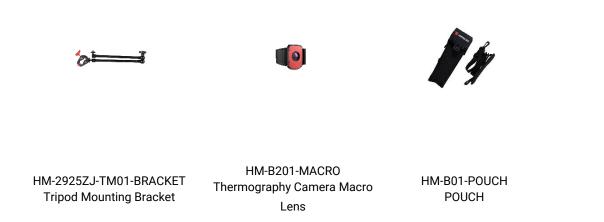


Unit: mm (inch)

Packaging List



Optional Accessories



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