

B20 Handheld Thermal Camera



HIKMICRO B20 is designed for temperature measurement to find invisible faults. It's equipped with a 256 × 192 resolution HIKMICRO thermal detector and 2 MP optical detector. The thermography ranges from -20°C to 550°C (-4°F to 1022°F) which meets most situation. It helps the staff to quickly find the fault according to accurate temperature measurement of high temperature targets in the environment. Meanwhile it provides assistant decision and ensure safety. The device is mainly applied to various industries, such as Building, HVAC, and 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

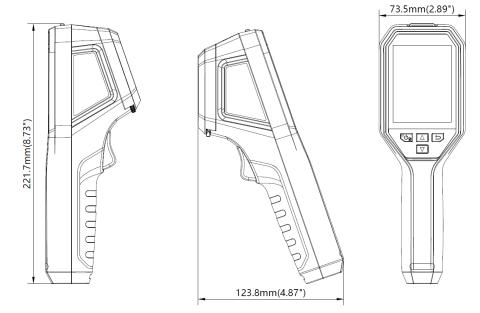
IR Resolution256 × 192 (49,152 pixels)SuperIRYes, on captured thermal imagesNETD< 40 mK (@ 25 °C, F#=1.0)Image Frequency25 HzDetector Pitch12 µmSpectral Range7.5 to 14 µmFocal Length3.6 mmFnumberF1.0Field of View (FOV)37.2° × 50.0°Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.96 ft)Focus ModeFocus FreeImage Display240 × 320 Resolution, 3.2° LCD ScreenOlor AlarmAbove alamColor PalettesWhite Hot, Black Hot, Rainbow, Ironbow, Red Hot, FusionImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis-20°C to 550°C (4″F to 1022°F)Accuracyado ject temperature above 0°C (32°F)Measurement ToolsCenter Spot, Hot Spot, Cold SpotUser Jorage And Communication:Juser AlamaDisplay40/XaualDeter Spot, Hot Spot, Cold SpotMeasurement ToolsCenter Spot, Hot Spot, Cold SpotUser Jorage And Communication:Juser AlamaUser Jorage CapacityAprox. 90.000 ImagesDisplay40 xorage CapacityViFF82.11 b/g/n (2.4CH2)USB InterfaceUSB Type-CBattery Operating TimeAprox. 3 hoursBattery Operating TimeAprox.	Infrared Image	
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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)	Protection Level	IP54
Storage Temperature Range -20°C to 60°C (-4°F to 140°F)	Drop Test Height	2 m (6.56 ft)
	Working Temperature Range	-10°C to 50°C (14°F to 122°F)
Relative Humidity < 95% non-condensing	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

Available Model

B20

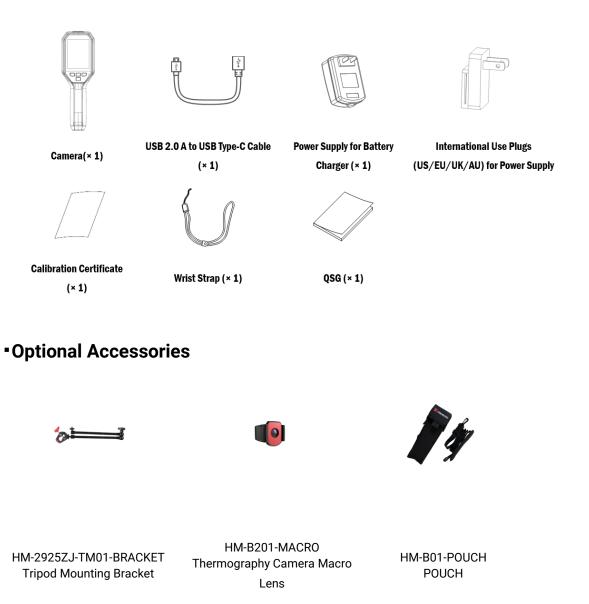
Dimension



Unit: mm (Inch)

www.hikmicrotech.com

Packaging List



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