

B20S Handheld Thermography Camera



HIKMICRO B20S is designed for temperature measurement to find invisible faults. It's equipped with a 256 x 192 resolution thermal detector and a 2MP optical 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.

Key Features

- IR resolution: 256 x 192 (49 152 pixels), 2MP Visual Resolution
- Support SuperIR image enhancement technology
- 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" 480 × 640 Resolution LCD Screen
- Up to 6 hours continuous running

Specification

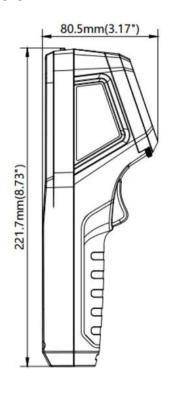
-респисанон	
Infrared Image	
IR Resolution	256 × 192 (49,152 pixels)
SuperIR	Yes, on captured images and live view
NETD	< 40 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 μm
Spectral Range	7.5 to 14 µm
Focal Length	3.6 mm
F-number	F1.0
Field of View (FOV)	37.2° × 50.0°
Spatial Resolution (IFOV)	3.3 mrad
Min. Focus Distance	0.3 m (0.98 ft)
Focus Mode	Focus Free
Image Display	
Visual Camera	1600 × 1200 (2 MP)
Display	480 × 640 Resolution, 3.2" LCD Screen
Color Alarm	Above alarm
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion
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)
	Center Spot, Hot Spot, Cold Spot
Measurement Tools	User-definable: 3 spots
Level and Span Mode	Auto/Manual
Data Storage and Communica	tion
Storage Media	
	Built-in 16G eMMC (user available storage space is less than the nominal
	Built-in 16G eMMC (user available storage space is less than the nominal capacity)
Image Storage Capacity	· ·
Image Storage Capacity Image File Format	capacity)
	capacity) Approx. 35,000 Images
Image File Format	capacity) Approx. 35,000 Images
Image File Format General	capacity) Approx. 35,000 Images Radiometric JPEG
Image File Format General Wi-Fi	capacity) Approx. 35,000 Images Radiometric JPEG 802.11 b/g/n (2.4GHz)
Image File Format General Wi-Fi USB Interface	capacity) Approx. 35,000 Images Radiometric JPEG 802.11 b/g/n (2.4GHz) USB Type-C
Image File Format General Wi-Fi USB Interface LED Light	capacity) Approx. 35,000 Images Radiometric JPEG 802.11 b/g/n (2.4GHz) USB Type-C Yes
Image File Format General Wi-Fi USB Interface LED Light Power Supply	capacity) Approx. 35,000 Images Radiometric JPEG 802.11 b/g/n (2.4GHz) USB Type-C Yes USB-C (5V/2A)
Image File Format General Wi-Fi USB Interface LED Light Power Supply Battery Type	capacity) Approx. 35,000 Images Radiometric JPEG 802.11 b/g/n (2.4GHz) USB Type-C Yes USB-C (5V/2A) Rechargeable Li-ion battery
Image File Format General Wi-Fi USB Interface LED Light Power Supply Battery Type Battery Operating Time	capacity) Approx. 35,000 Images Radiometric JPEG 802.11 b/g/n (2.4GHz) USB Type-C Yes USB-C (5V/2A) Rechargeable Li-ion battery Approx. 6 hours

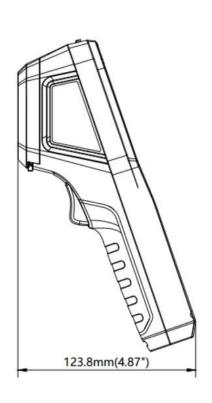
Working Temperature Range	-10°C to 50°C (14°F to 122°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	< 95% non-condensing
Weight	Approx. 380 g (0.84 lb)
Dimension	221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)
Tripod Mounting	UNC 1/4"-20

Available Model

B20S

Dimension







Optional Accessories



HM-B201-MACRO
Thermography Camera Macro
Lens



HM-2925ZJ-TM01-BRACKET Tripod Mounting Bracket



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