B20 Handheld Thermography Camera



HIKMICRO B20 is designed for temperature measurement to find invisible faults. It's equipped with a 256 x 192 resolution HIKMICRO thermal detector and 2MP 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 Features

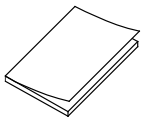
- Thermal resolution: 256 x 192 (49 152 pixels)
- NETD : < 40 mK (@ 25 °C,F#=1.0)
- Temperature measurement range : -20°C to 550°C (-4°F to 1022°F）
- Accuracy: Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
- Measurement presets: Center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

Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
IR Resolution	256 x 192 (49 152 pixels)
Pixel Pitch	12 µm
Spectral Range	8 - 14 µm
NETD	< 40 mK (@25°C), F#=1.0
Focal Length	3.6mm
FOV (Field of View)	37.2° × 50.0°
Image Frequency	25 Hz
Focus	Fixed
IFOV (Spatial Resolution)	3.3mrad
Aperture	F1.0
Minimum Focus Distance	0.3 m (0.98 ft)
Optical Module	
Picture Resolution	1600 × 1200 (2 MP)
FOV	55°× 42°
Focal Length	2mm
Image Display	
Display	240 × 320 Resolution, 3.2'' LCD Screen
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow
Image Modes	Thermal/Optical/Fusion/PIP
PIP	Thermal Picture in Optical Picture
Fusion	Thermal Picture and Optical Picture Combined
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 Presets	Center Spot, Hot Spot, Cold Spot, Point Presets, Off
High Temperature Alarm	Audible and Visual Warning
Storage	
Storage Media	EMMC (16 GB)
Image Storage Capacity	90 000 Images
Image File Format	BMP with Measurement Data Included
Functions	
LED Light	Yes
Wi-Fi	802.11 b/g/n (2.4GHz)
UVC Cast Screen	Yes
Level/Span	Auto/Manual

Power System	
Power Supply	3.7V DC/ 0.5A
Power Consumption	1.8 W
Battery Type	Rechargeable Li-ion Battery
Battery Operating Time	6 Hours Continuous Running
Battery Charging Time	3 Hours
General	
Menu Language	21 Languages English, German, French, Russian, Korean, Spanish, Portuguese, Italian, Japanese, Hungarian, Czech, Slovak, Polish, Romanian, Danish, Turkish, Traditional Chinese, Swedish, Norwegian , Finnish, Dutch
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
Drop Test Height	2 m (6.56 ft)
Interface	USB Type-C
Weight	Approx. 360 g (0.79 lb)
Dimension	221.7 mm × 73.5 mm × 80.5 mm (8.73 ” × 2.89 ” × 3.17 ”)
Tripod Mounting	UNC ¼”-20

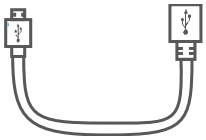
Package Contents



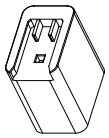
Quick Start Guide (×1)



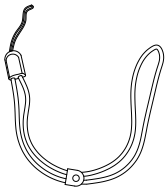
Adapters (x5)



USB Cable (x1)



Power Adapter (x1)

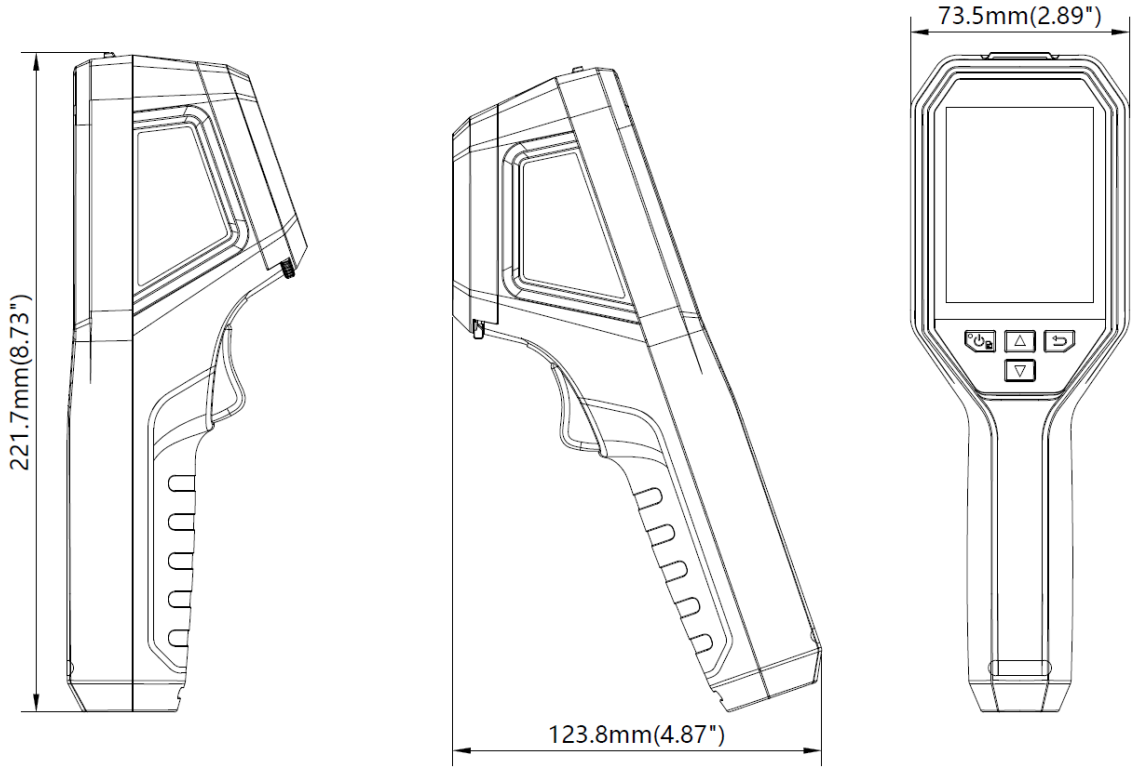


Wrist Strap (x1)

Order Model

HM-TP52-3AQF/W-B20

Dimension



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