BX20
Handheld Thermography Camera

HIKMICRO BX20 is certified to measure temperature in many explosive environments to quickly find invisible faults. It's equipped with a 256 x 192 resolution thermal detector and 2MP visual camera. The temperature 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 in the decision and ensures safety.

Key Features

- ATEX: II 3 G Ex ic IIC T6 Gc, II 3 D Ex ic IIIC T85°C Dc
- IECEx: Ex ic IIC T6 Gc, Ex ic IIIC T85°C Dc
- Thermal resolution: 256 × 192 (49,152 pixels)
- Temperature measurement range : -20°C to 550°C (-4°F to 1022°F)
- 25 Hz image frequency
- 3.2'' LCD screen display
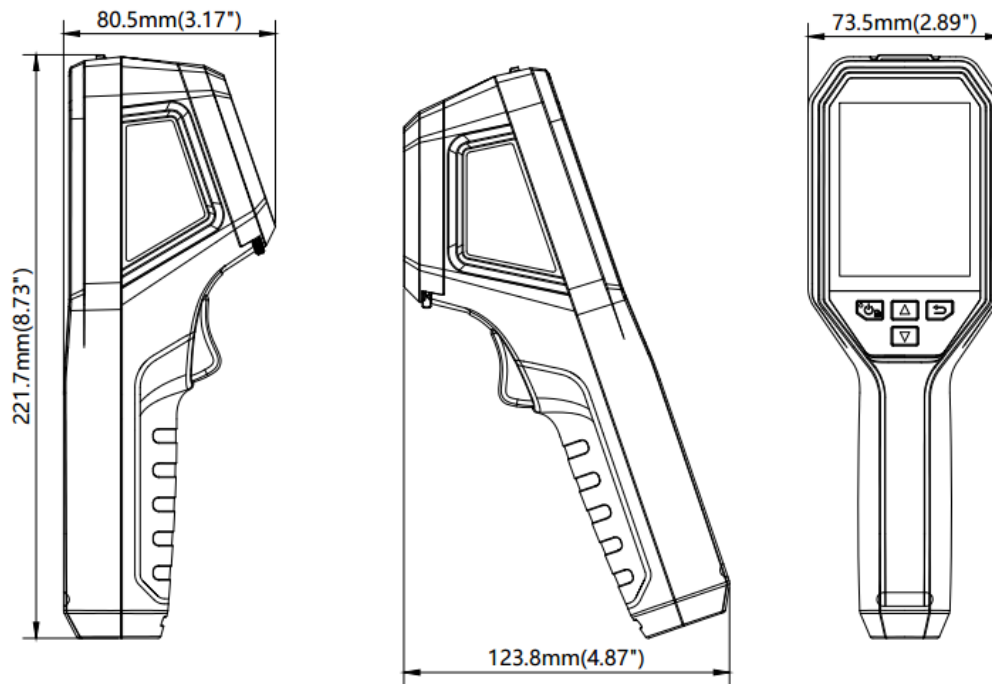- Up to 6 hours continuous running

▪ Specification

Infrared Image	
IR Resolution	256 × 192 (49,152 pixels)
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
SuperIR	Yes, on captured thermal images
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	
LED Light	Yes
Battery Type	Rechargeable Li-ion battery
USB Interface	USB Type-C
Battery Operating Time	Approx. 6 hours
ATEX / IECEx Certificate Type	ATEX: II 3 G Ex ic IIC T6 Gc, II 3 D Ex ic IIIC T85°C Dc IECEx: Ex ic IIC T6 Gc, Ex ic IIIC T85°C Dc
Battery Charging Time	Approx. 3 hours fully charged
Protection Level	IP64
Drop Test Height	2 m (6.56 ft)
Working Temperature Range	-20°C to 50°C (-4°F to 122°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)

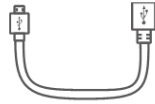|	
Relative Humidity	< 95% non-condensing
Weight	Approx. 380 g (0.84 lb)
Dimension	221.7 × 73.5 × 123.8mm (8.73 × 2.89 × 4.87 in)
Tripod Mounting	UNC ¼"-20

▪Available Model
BX20

▪Dimension

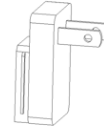Unit: mm (inch)

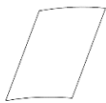# ▪Packaging List

Camera(× 1)	USB 2.0 A to USB Type-C Cable (× 1)	Power Supply for Battery Charger (× 1)	International Use Plugs (US/EU/UK/AU) for Power Supply
Calibration Certificate (× 1)	Wrist Strap (× 1)	QSG (× 1)	

▪Optional Accessory

HM-B01-POUCH

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