

B10 Thermographic Handheld Camera



▪ Features

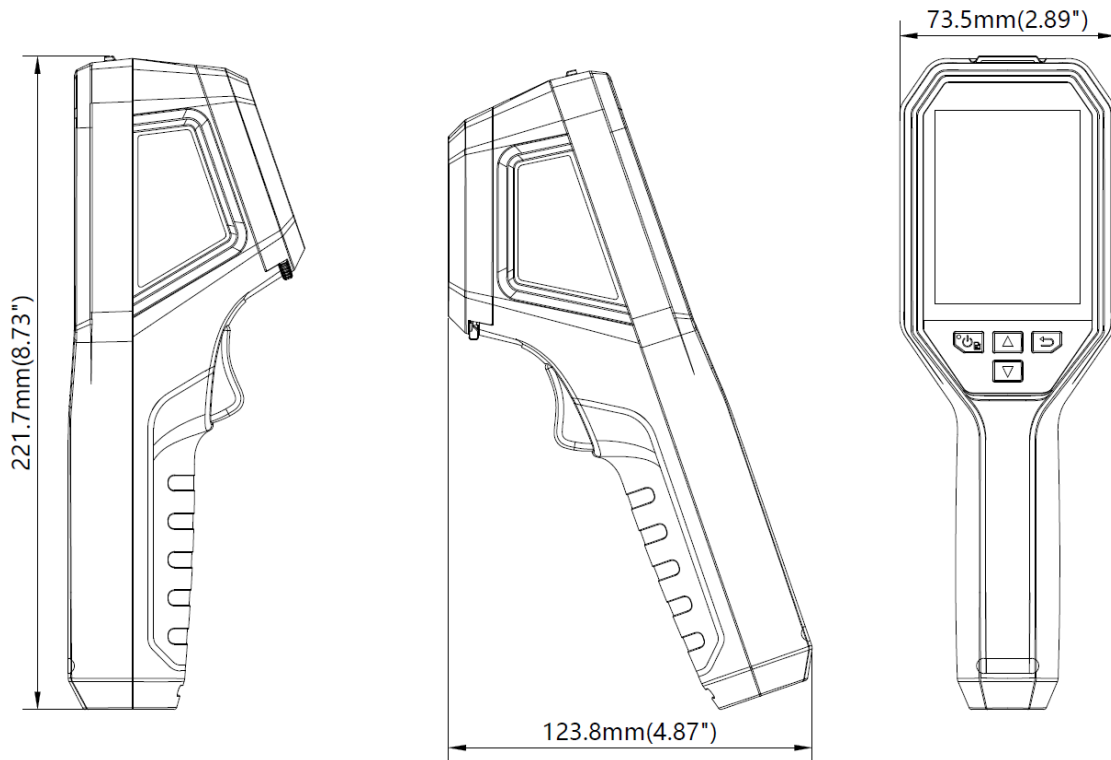
- Thermal resolution: 256 x 192 (49 152 pixels)
- NETD : < 40 mK (@ 25 °C,F#=1.0)
- Temperature measurement range : -20°C to 550°C (-4°F to 1022°F)
- Accuracy: Max ($\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$, $\pm 2\%$), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 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

Infrared Image	
IR Resolution	256 × 192 (49,152 pixels)
SuperIR	Yes, on captured thermal images
Distance to Spot Ratio (D:S)	45:1
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	
Display	240 × 320 Resolution, 3.2" LCD Screen
Image Modes	Thermal/Visual/Fusion/PIP
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion
Visual Camera	1600 × 1200 (2 MP)
Screen Brightness	Manual
Measurement and Analysis	
Alarm	More than, Less than
Alarm Linkage	Flashing Alarm, Audible Warning, Alarm Mode Palettes
Temperature Measurement Mode	Measurements presets (center spot, max spot, min spot, off)
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)
Level and Span Mode	Auto/Manual
Data Storage and Communication	
Storage Media	Built-in 16 GB eMMC(user available storage space is less than the nominal capacity)
Image Storage Capacity	Max 30,000 Images
Image File Format	Radiometric JPEG
Video Storage Capacity	MP4 Approx. 154h, HRV Approx. 22h
Video File Format	MP4, HRV
Radiometric Infrared-Video Streaming (Compressed)	Over UVC
General	
USB Interface	USB Type-C
LED Light	Yes

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 ¼"-20
Power Supply	USB-C (5V/2A)

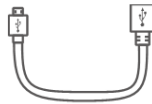
▪ Dimension



▪ Packaging List



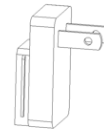
Camera (× 1)



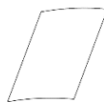
USB 2.0 A to USB Type-C Cable
(× 1)



Power Supply for Battery
Charger (× 1)



International Use Plugs
(US/EU/UK/AU) for Power Supply



Calibration Certificate
(× 1)



Wrist Strap (× 1)



QSG (× 1)

▪ Accessory ▪ Optional

HM-B201-MACRO
Thermography
Camera Macro Lens



HM-B01-POUCH
POUCH



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*Note: Specifications are subject to change without notice. For the current specs,
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