

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.

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)
- Support Multiple Scene modes, Some support SuperScene intelligent detection
- 25 Hz image frequency
- 3.2" 480 × 640 Resolution LCD Screen
- Up to 6 hours continuous running
- Support SuperIR image enhancement technology

Specification

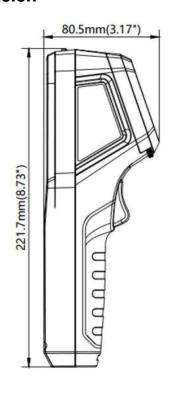
RR Resolution 256 × 192 (49,152 pixels)	Infrared Image	
NETD < 40 mK (@ 25 °C, F#=1.0) Image Frequency 25 Hz Detector Pitch 12 µm Spectral Range 7.5 to 14 µm Focal Length 3.6 mm F-number F1.0 Field of View (FOV) 3.7.2° × 50.0° Spatial Resolution (IFOV) 3.8 mrad Min. Focus Distance 0.3 m (0.98 ft) Focus Mode Focus Free Image Display Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2° LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Messurement and Analysis Super Scene Intelligent Detection Water Leak Scene, Insulation Scene Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode More than, Less than More than, Less than Alarm More than, Less than Bange -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image File Format Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	IR Resolution	256 × 192 (49,152 pixels)
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 Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis Super Scene Intelligent Detection Water Leak Scene, Insulation Scene Patentian Mode Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Measurements presets (center spot, max spot, min spot, off) Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) 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 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Ilmage File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Italian (Compressed) Over UVC and Wi-Fi Ceneral Wi-Fi 802.11 b/g/in (2.4GHz)	SuperIR	Yes, on captured images and live view
Detector Pitch Spectral Range 7.5 to 14 μm Focal Length 5.6 mm F-number F1.0 Spatial Resolution (IFOV) 37.2° × 50.0° Spatial Resolution (IFOV) Min. Focus Distance 10.3 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 Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Thermal/Visual/Fusion/PIP Measurement and Analysis Super Scene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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) Actoriacy Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Video Storage Capacity Radiometric JPEG Video Storage Capacity Radiometric JPEG Over UVC and Wi-Fi General Wi-Fi 802.11 b/g/n (2.4GHz)	NETD	< 40 mK (@ 25 °C, F#=1.0)
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 Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis Super Scene Intelligent Detection Water Leak Scene, Insulation Scene Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Measurements presets (center spot, max spot, min spot, off) Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Over UVC and Wi-Fi Wi-Fi 802.11 b/g/n (2.4GHz)	Image Frequency	25 Hz
Focal Length 9.6 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 Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis Super Scene Intelligent Detection Water Leak Scene, Insulation Scene Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Object Temperature Range Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Image File Format Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Detector Pitch	12 μm
F-number F1.0 Field of View (FOV) 37.2° × 50.0° Spatial Resolution (IFOV) 3.3 mrad Min. Focus Distance F5 cous Free Image Display Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Water Leak Scene, Insulation Scene Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Mausurements presets (center spot, max spot, min spot, off) Mare than, Less than Object Temperature Range Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy Pi and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Image File Format Radiometric Infrared-Video Streaming (Compressed) Wi-Fi 802.11 b/g/n (2.4GHz)	Spectral Range	7.5 to 14 µm
F-number F1.0 Field of View (FOV) 37.2° × 50.0° Spatial Resolution (IFOV) 3.3 mrad Min. Focus Distance F5 cous Free Image Display Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Water Leak Scene, Insulation Scene Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Mausurements presets (center spot, max spot, min spot, off) Mare than, Less than Object Temperature Range Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy Pi and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Image File Format Radiometric Infrared-Video Streaming (Compressed) Wi-Fi 802.11 b/g/n (2.4GHz)	Focal Length	3.6 mm
Spatial Resolution (IFOV) Min. Focus Distance 0.3 m (0.98 ft) Focus Mode Image Display Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Measurement and Analysis Super Scene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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 16G eMMC (user available storage space is less than the nominal capacity) Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Radiometric JPEG Video Storage Capacity Radiometric JPEG Over UVC and Wi-Fi Wi-Fi 802.11 b/g/n (2.4GHz)		F1.0
Min. Focus Distance Focus Mode Focus Free Image Display Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes Umite Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image File Format Radiometric JPEG Video Storage Capacity Approx. 35,000 Images Radiometric Infrared-Video Streaming (Compressed) Wi-Fi 802.11 b/g/n (2.4GHz)	Field of View (FOV)	37.2° × 50.0°
Focus Mode Image Display Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Spatial Resolution (IFOV)	3.3 mrad
Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image File Format Radiometric JPEG Autor And Wi-Fi 802.11 b/g/n (2.4GHz)	Min. Focus Distance	0.3 m (0.98 ft)
Visual Camera 1600 × 1200 (2 MP) Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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) F) and object temperature above 0°C (32°F) Level and Span Mode Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Approx. 114.3 hours Addiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Focus Mode	Focus Free
Display 480 × 640 Resolution, 3.2" LCD Screen Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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 Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Approx. 114.3 hours Over UVC and Wi-Fi 802.11 b/g/n (2.4GHz)	Image Display	
Color Palettes Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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) Fland object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Over UVC and Wi-Fi Sould Server School Scho	Visual Camera	1600 × 1200 (2 MP)
Image Modes Thermal/Visual/Fusion/PIP Measurement and Analysis SuperScene Intelligent Detection Water Leak Scene, Insulation Scene Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Measurements presets (center spot, max spot, min spot, off) Alarm More than, Less than Object Temperature Range Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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 Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Video Storage Capacity Approx. 114.3 hours Over UVC and Wi-Fi General Wi-Fi 802.11 b/g/n (2.4GHz)	Display	480 × 640 Resolution, 3.2" LCD Screen
Measurement and Analysis SuperScene Intelligent Detection Water Leak Scene, Insulation Scene Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Measurements presets (center spot, max spot, min spot, off) Alarm More than, Less than Object Temperature Range Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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) F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Video Storage Compressed) Over UVC and Wi-Fi General Wi-Fi 802.11 b/g/n (2.4GHz)	Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Blue Yellow
SuperScene Intelligent Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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 Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Video Storage Capacity Approx. 114.3 hours Over UVC and Wi-Fi South Mark Scene Wi-Fi Water Leak Scene, Insulation Scene Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Measurements presets (center spot, max spot, min spot, off) Max (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°F) Accuracy Flag (50°F) Accuracy Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Over UVC and Wi-Fi General Wi-Fi 802.11 b/g/n (2.4GHz)	Image Modes	Thermal/Visual/Fusion/PIP
Detection Alarm Linkage Flashing Alarm, Audible Warning, Alarm Mode Palettes Temperature Measurement Mode Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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) F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Approx. 114.3 hours Over UVC and Wi-Fi General Wi-Fi 802.11 b/g/n (2.4GHz)	Measurement and Analysis	
Temperature Measurement Mode Alarm More than, Less than Bange -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) 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 Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Radiometric JPEG Video Storage Capacity Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi More than, Less than More than, Less than Measurements presets (center spot, max spot, min spot, off) More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C (59°F to 95° Capacity F) and object temperature above 0°C (32°F) Built-in 16G eMMC (user available storage space is less than the nominal capacity) Approx. 35,000 Images Over UVC and Wi-Fi S02.11 b/g/n (2.4GHz)	•	Water Leak Scene, Insulation Scene
Mode Alarm More than, Less than Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°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) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Approx. 114.3 hours Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi More than, Less than More than, Less than Range Fto 302°F) Approx (59°F to 95° Fto	Alarm Linkage	Flashing Alarm, Audible Warning, Alarm Mode Palettes
Object Temperature Range Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 550°C (212°F to 1022°F) 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 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Over UVC and Wi-Fi General Wi-Fi 802.11 b/g/n (2.4GHz)	·	Measurements presets (center spot, max spot, min spot, off)
Object Temperature Range Range 100°C to 550°C (212°F to 1022°F) 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 Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Alarm	More than, Less than
Range 100°C to 550°C (212°F to 1022°F) 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 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Object Temperature Range	Range -20°C to 150°C (-4°F to 302°F)
Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Approx. 114.3 hours Radiometric Infrared-Video Streaming (Compressed) Over UVC and Wi-Fi 802.11 b/g/n (2.4GHz)		Range 100°C to 550°C (212°F to 1022°F)
Accuracy F) and object temperature above 0°C (32°F) Level and Span Mode Auto/Manual Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Radiometric Infrared-Video Streaming (Compressed) Over UVC and Wi-Fi 802.11 b/g/n (2.4GHz)	Accuracy	Max. (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°
Data Storage and Communication Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Video Storage Capacity Approx. 114.3 hours Radiometric Infrared-Video Streaming (Compressed) Over UVC and Wi-Fi General Wi-Fi 802.11 b/g/n (2.4GHz)		F) and object temperature above 0°C (32°F)
Storage Media Built-in 16G eMMC (user available storage space is less than the nominal capacity) Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Radiometric Infrared-Video Streaming (Compressed) Over UVC and Wi-Fi B02.11 b/g/n (2.4GHz)	Level and Span Mode	Auto/Manual
Image Storage Capacity Approx. 35,000 Images Image File Format Radiometric JPEG Video Storage Capacity Approx. 114.3 hours Radiometric Infrared-Video Streaming (Compressed) Over UVC and Wi-Fi Wi-Fi 802.11 b/g/n (2.4GHz)	Data Storage and Communicat	ion
Image File Format Video Storage Capacity Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi Radiometric JPEG Approx. 114.3 hours Over UVC and Wi-Fi 802.11 b/g/n (2.4GHz)	Storage Media	
Video Storage Capacity Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Image Storage Capacity	Approx. 35,000 Images
Radiometric Infrared-Video Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	Image File Format	Radiometric JPEG
Streaming (Compressed) General Wi-Fi 802.11 b/g/n (2.4GHz)	• • •	Approx. 114.3 hours
Wi-Fi 802.11 b/g/n (2.4GHz)		Over UVC and Wi-Fi
	General	
LIOD Title O	Wi-Fi	802.11 b/g/n (2.4GHz)
OSB INTELLACE OSB Type-C	USB Interface	USB Type-C

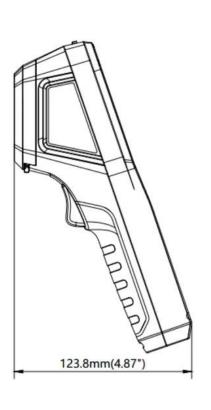
LED Light	Yes
Power Supply	USB-C (5V/2A)
Battery Type	Rechargeable Li-ion battery
Battery Operating Time	Approx. 6 hours
Battery Charging Time	Approx. 3 hours fully charged
Protection Level	IP54
Drop Test Height	2 m (6.56 ft)
Working Temperature Range	-10°C to 50°C (14°F to 122°F)
Storage Temperature 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 1/4" -20

Available Model

HM-TP52+-3AQF/W-B20S

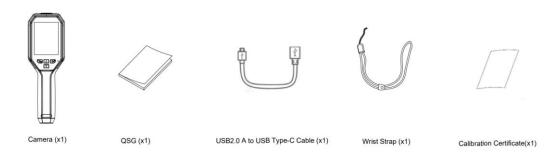
Dimension



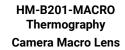




Packaging List



- Accessory
- Optional



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.







► HIKMICRO Industrial

in HIKMICRO

info@hikmicrotech.com

www.hikmicrotech.com

© Hangzhou Microimage Software Co., Ltd. All Rights Reserved.

*Note: Specifications are subject to change without notice. For the current specs, please go to www.hikmicrotech.com