

G61 Handheld Thermal Camera



HIKMICRO G61 Handheld Thermal Camera is specially designed for temperature measurement. It's equipped with a 640 × 480 resolution thermal detector. It helps the staff to quickly find the high-temperature targets in the environment. Meanwhile, it provides assistance with decisions and ensures safety. The device is mainly applied to various industries, such as Building, Electrical utilities, oil and gas industry, etc.

Key Feature

- High sensitivity thermal module with 640 × 480 resolution
- Supports multiple palettes
- High quality optical module with 8 MP resolution
- Bi-spectrum image fusion, picture-in-picture preview
- Wide temperature measurement range: -20°C to 650°C
- High temperature measurement accuracy: Up to ± 2°C, ± 2%
- High-calibre 800 × 480 resolution 4.3" LCD touch display
- Long-distance laser light supplement for thermography targets
- LED light supplement makes the device a torch in required scenarios
- Supports 1.0x to 8.0x continuous digital zoom

Specification

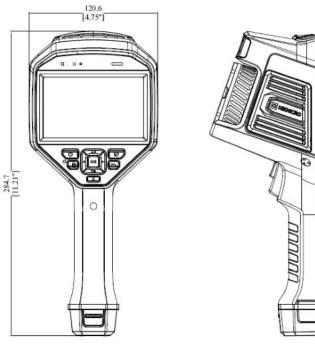
Infrared Image		
IR Resolution	640 × 480 (307,200 pixels)	
SuperIR	1280 × 960 (1228,800 pixels)	
NETD	< 35 mK (@ 25°C, F# = 1.0)	
Image Frequency	50 Hz	
Detector Pitch	17 μm	
Spectral Range	7.5 μm to 14 μm	
Focal Length	25 mm	
F-number	F 1.0	
Field of View (FOV)	25° × 19°	
Spatial Resolution (IFOV)	0.68 mrad	
Min. Focus Distance	0.3 m (0.98 ft)	
Focus Mode	Laser Assisted AF/Continuous AF/AF/Manual Focus/Touch AF	
Focus Speed	Approx. 2 second	
Image Display		
Visual Camera	3264 × 2448 (8 MP)	
Display	800 × 480 Resolution, 4.3" LCD Touch Screen	
Screen Brightness	Manual/Auto	
Digital Zoom	1.0x to 8.0x continuous	
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red	
Focus Mode Palette	Above/Below/Interval	
Color Alarm	Above/Below/Interval/Insulation	
Image Modes	Infrared/Visual/Fusion/PIP/Blending	
Measurement and Analysis		
Object Temperature Range	-20°C to 650°C (-4°F to 1202°F)	
Accuracy	Max. (± 2°C/3.6°F, ± 2%)	
	Center Spot, Hot Spot, Cold Spot	
Measurement Tools	User-definable: 10 spots, 1 line, 5 rectangles, and 5 circle	
Level and Span Mode	Auto/Manual/1-Tap Touch-screen	
Inspection Route	Yes	
Data Storage and Communication		
Storage Media	Removable 64 GB MicroSD Card	
Image Storage Capacity	Approx. 60,000 Images	
Annotations	Voice note: max. 60 seconds;	
	Text note: max. 200 characters	
Video Storage Capacity	Approx. 54 hours	
Video File Format	MP4 video	
	and radiometric video	
General		
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)	
Bluetooth	Bluetooth 4.2	
USB Interface	USB Type-C	
HDMI Interface	Yes	
LED Light	Yes	
Laser	Class II, Wavelength: 635 nm; Power: < 1 mW	

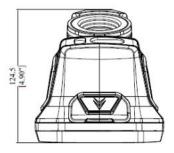
Laser Distance Meter	Indoor distance: 50 m (164 ft);
	Outdoor distance: 10 m (33 ft).
GPS & Compass	Yes
Battery Type	Interchangeable and rechargeable Li-ion battery
Battery Operating Time	Approx. 4 hours
Battery Charging Time	Approx. 4 hours fully charged
Power Saving Mode	Yes
Protection Level	IP54, IEC 60529
Drop Test Height	2 m (6.56 ft), IEC 60068-2-31
Safety	IEC 61010-1
EMC	EN 301 489-1, EN 301 489-17, EN IEC 61000-6-2, EN IEC 61000-6-3
Vibration	2 g, IEC 60068-2-6
Shock	25 g, IEC 60068-2-27
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. 1058 g (2.33 lb)
Dimension	284.7 mm × 120.6 mm × 124.5 mm (11.21" × 4.75" × 4.90")
Tripod Mounting	UNC ¼"-20

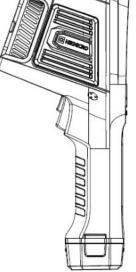
Available Model

HM-TP76-25SVF/W-G61

Dimension







Unit: mm [inch]

Optional Accessories



HM-701ZJ-G01-SHIELD





HM-G605-LENS1





HM-SP01-POUCH



HM-G630-LENS1



INR18650-35E-1S2P

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