

G41Handheld Thermal Camera



HIKMICRO G41 Handheld Thermal Camera is specially designed for temperature measurement. It's equipped with a 480 \times 360 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 480 × 360 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

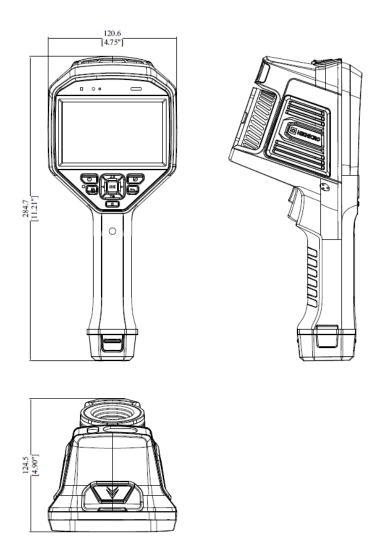
Infrared Image	
IR Resolution	480 × 360 (172,800 pixels)
SuperIR	960 × 720 (691,200 pixels)
NETD	< 35 mK (@ 25°C, F# = 1.0)
Image Frequency	50 Hz
Detector Pitch	17 μm
Spectral Range	7.5 µm to 14 µm
Focal Length	25 mm
F-number	F1.0
Field of View (FOV)	18.7° × 14°
Spatial Resolution (IFOV)	0.68 mrad
Min. 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	1. P. P. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
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 Communicati	ion
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 Distance MeterIndoor distance: 50 m (164 ft); Outdoor distance: 10 m (33 ft).LaserClass II, Wavelength: 635 nm; Power: <1 mWGPS & CompassYesBattery TypeInterchangeable and rechargeable Li-ion batteryBattery Operating TimeApprox. 4 hoursBattery Charging TimeApprox. 4 hours fully chargedPower Saving ModeYesProtection LevelIP54, IEC 60529Drop Test Height2 m (6.56 ft), IEC 60068-2-31SafetyIEC 61010-1EMCEN 301 489-1, EN 301 489-17, EN IEC 61000-6-2, EN IEC 61000-6-3Vibration2 g, IEC 60068-2-6Shock25 g, IEC 60068-2-27Working 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-condensingWeightApprox. 1058 g (2.33 lb)Dimension284.7 mm × 120.6 mm × 124.5 mm (11.21" × 4.75" × 4.90")Tripod MountingUNC 4"-20		
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Tripod Mounting UNC ¼"-20	Dimension	284.7 mm × 120.6 mm × 124.5 mm (11.21" × 4.75" × 4.90")
	Tripod Mounting	UNC 1/4"-20

Available Model

HM-TP74-25SVF/W-G41

Dimension



Unit: mm [inch]

Optional Accessories



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.









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