

G61 Handheld Thermal Camera



The HIKMICRO G61 high-performance handheld thermal camera is ideal for industrial, predictive, oil and gas, and utility maintenance inspections. HIKMICRO G61 has a high sensitivity (NETD < 35 mK) and high resolution (640 x 480) HIKMICRO VOx detector, and the temperature calibration is up to 650°C. Advanced features help thermal imaging professionals to easily survey equipment and find signs of malfunction, such as GPS and compass annotations, continuous digital zoom, and 1-Tap level and span. Connect HIKMICRO Viewer App or HIKMICRO Analyzer software to transfer, analyze, and share pictures, and generate reports for free.

Key Features

- Thermal resolution: 640 x 480 (307,200 pixels), NETD: <35 mK (@ 25 °C, F#=1.0)
- Temperature measurement range : -20 °C to 650 °C (-4 °F to 1202 °F)
- Accuracy: Max (±2°C/3.6°F, ±2%)
- 1.x to 8.x continuous digital zoom
- Manual, automatic, and 1-Tap Level and Span
- GPS & compass annotation functions
- Long-distance laser light supplement for thermography targets
- LED light supplement provides light in dark scenarios

Specification

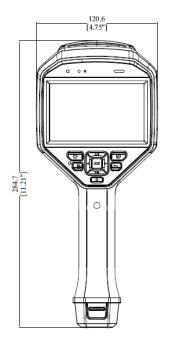
Infrared Image IR Resolution 640 x 480 (307,200 pixels) SuperIR 1280 x 960 (1,228,800 pixels) NETD < 35 mK (@ 25 °C, F#=1.0) Image Frequency 50 Hz Detector Pitch 17 µm Spectral Range 7.5 to 14 µm Focal Length 25 mm F-number F 1.0 Field of View (FOV) 25° x 19° Spatial Resolution (IFOV) 0.68 mrad Min. 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 x 2448 (8 MP) Display 800 x 480 Resolution, 4.3° LCD Touch Screen Screen Brightness Manual/Auto Digital Zoom 1.x to 8.x 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 Color Alarm Above/Below/Interval/Insulation//Condensation 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%) Measurement Tools Level and Span Mode Auto/Manual/1-Tap Touch-screen Inspection Route Yes Data Storage and Communication Storage Media Removable 64 GB Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours Video File Format Radiometric video Image Format Radiometric video Image Format	opecification		
SuperIR 1280 x 960 (1,228,800 pixels) NETD < 35 mK (@ 25 °C, F#=1.0) Image Frequency 50 Hz Detector Pitch 17 µm Spectral Range 7.5 to 14 µm Focal Length 25 mm F-number F1.0 Field of View (FOV) 25° x 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 x 2448 (8 MP) Display 800 x 480 Resolution, 4.3° LCD Touch Screen Screen Brightness Manual/Auto Digital Zoom 1.x to 8.x 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 Color Alarm Above/Below/Interval Object Temperature Range 20 °C to 650 °C (-4 °F to 1202 °F) Accuracy Max (±2° C3.6°F, ±2%) Measurement Tools Center Spot, Hol Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 54 hours Video File Format MP4 video and radiometric video MP4 video and radiometric video	Infrared Image		
NETD < 35 mK (@ 25 °C, F#=1.0) Image Frequency 50 Hz Detector Pitch 17 µm Spectral Range 7.5 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.x to 8.x continuous Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red Focus Mode Palette Above/Below/Interval/Insulation//Condensation 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 User-definable:Delta T, 10 spots, 1 line, 5 rectangles, and 5 circle Level and Span Mode Auto/Manual/1-Tap Touch-screen Imspection Route Yes Data Storage and Communication Storage Media Removable 64 GB Micro SD Card Image Storage Capacity Approx. 54 hours Video Storage Capacity Approx. 54 hours Video File Format MP4 video and radiometric video	IR Resolution	640 x 480 (307,200 pixels)	
Image Frequency 50 Hz Detector Pitch 17 μm Spectral Range 7.5 to 14 μm Focal Length 25 mm Finumber 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.x to 8.x 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//Condensation 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%) Measurement Tools User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Video Storage Capacity Approx. 69,000 lmages Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	SuperIR	1280 x 960 (1,228,800 pixels)	
Detector Pitch 17 μm Spectral Range 7.5 to 14 μm Focal Length 25 mm F-number F1.0 Field of View (FOV) 25* x 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 x 2448 (8 MP) Display 800 x 480 Resolution, 4.3* LCD Touch Screen Screen Brightness Manual/Auto Digital Zoom 1.x to 8.x 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//Condensation 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%) Measurement Tools User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Video File Format MP4 video and radiometric video	NETD	< 35 mK (@ 25 °C, F#=1.0)	
Spectral Range 7.5 to 14 µm Focal Length 25 mm F-number F1.0 Field of View (FOV) 25* x 19* Spatial Resolution (IFOV) 0.58 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 x 2448 (8 MP) Display 800 x 480 Resolution, 4.3* LCD Touch Screen Screen Brightness Manual/Auto Digital Zoom 1.x to 8.x 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 Color Alarm Above/Below/Interval/Insulation//Condensation 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%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Video Storage Capacity Approx. 54 hours Video File Format MP4 video and radiometric video	Image Frequency	50 Hz	
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.x to 8.x 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//Condensation 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%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Detector Pitch	17 μm	
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.x to 8.x 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//Condensation 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°s) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Spectral Range	7.5 to 14 µm	
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.x to 8.x 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//Condensation 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%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Focal Length	25 mm	
Spatial Resolution (IFOV) 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.x to 8.x continuous Color Palettes White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red Focus Mode Palette Above/Below/Interval/Insulation//Condensation 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%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video File Format MP4 video and radiometric video	F-number	F 1.0	
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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.x to 8.x 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//Condensation 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%) Measurement Tools User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video File Format MP4 video and radiometric video	Spatial Resolution (IFOV)	0.68 mrad	
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.x to 8.x 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//Condensation 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 User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video File Format MP4 video and radiometric video	Min. Focus Distance	0.3 m (0.98 ft)	
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Visual Camera 3264 × 2448 (8 MP) Display 800 × 480 Resolution, 4.3" LCD Touch Screen Screen Brightness Manual/Auto Digital Zoom 1.x to 8.x 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//Condensation 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 User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Focus Speed	Approx. 2 second	
Screen Brightness Manual/Auto	Image Display		
Screen Brightness Manual/Auto Digital Zoom 1.x to 8.x 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//Condensation 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%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Visual Camera	3264 × 2448 (8 MP)	
Digital Zoom 1.x to 8.x 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//Condensation 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 User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Display	800 × 480 Resolution, 4.3" LCD Touch Screen	
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//Condensation 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%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Screen Brightness	Manual/Auto	
Focus Mode Palette Color Alarm Above/Below/Interval/Insulation//Condensation Image Modes Infrared/Visual/Fusion/PIP/Blending Measurement and Analysis Object Temperature Range Accuracy Accuracy Max (±2°C/3.6°F, ±2%) Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Digital Zoom	1.x to 8.x continuous	
Color Alarm Image Modes Infrared/Visual/Fusion/PIP/Blending Measurement and Analysis Object Temperature Range Accuracy Accuracy Max (±2°C/3.6°F, ±2%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red	
Image Modes Measurement and Analysis Object Temperature Range Accuracy Accuracy Max (±2°C/3.6°F, ±2%) Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 10 spots, 1 line, 5 rectangles, and 5 circle Level and Span Mode Inspection Route Yes Data Storage and Communication Storage Media Removable 64 GB Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity MP4 video and radiometric video	Focus Mode Palette	Above/Below/Interval	
Measurement and Analysis Object Temperature Range	Color Alarm	Above/Below/Interval/Insulation//Condensation	
Object Temperature Range -20 °C to 650 °C (-4 °F to 1202 °F) Accuracy Max (±2°C/3.6°F, ±2%) Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Image Modes	Infrared/Visual/Fusion/PIP/Blending	
Accuracy Max (±2°C/3.6°F, ±2%) Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Measurement and Analysis		
Measurement Tools Center Spot, Hot Spot, Cold Spot User-definable:Delta T, 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 Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Object Temperature Range	-20 °C to 650 °C (-4 °F to 1202 °F)	
Measurement Tools User-definable:Delta T, 10 spots, 1 line, 5 rectangles, and 5 circle Level and Span Mode Inspection Route Yes Data Storage and Communication Storage Media Removable 64 GB Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Accuracy	Max (±2°C/3.6°F, ±2%)	
Level and Span Mode Auto/Manual/1-Tap Touch-screen Inspection Route Yes Data Storage and Communication Storage Media Removable 64 GB Micro SD 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 MP4 video and radiometric video	Measurement Tools	Center Spot, Hot Spot, Cold Spot	
Inspection Route Pata Storage and Communication Storage Media Removable 64 GB Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours WP4 video and radiometric video		User-definable:Delta T, 10 spots, 1 line, 5 rectangles, and 5 circle	
Data Storage and Communication Storage Media Removable 64 GB Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours Video File Format MP4 video and radiometric video	Level and Span Mode	Auto/Manual/1-Tap Touch-screen	
Storage Media Removable 64 GB Micro SD Card Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Inspection Route	Yes	
Image Storage Capacity Approx. 60,000 Images Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Data Storage and Communication		
Annotations Voice note: max. 60 seconds; Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Storage Media	Removable 64 GB Micro SD Card	
Annotations Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Image Storage Capacity	Approx. 60,000 Images	
Text note: max. 200 characters Video Storage Capacity Approx. 54 hours MP4 video and radiometric video	Annotations	Voice note: max. 60 seconds;	
Video File Format MP4 video and radiometric video		Text note: max. 200 characters	
Video File Format and radiometric video	Video Storage Capacity	Approx. 54 hours	
and radiometric video	Video File Format	MP4 video	
Image Format Radiometric JPEG		and radiometric video	
	Image Format	Radiometric JPEG	

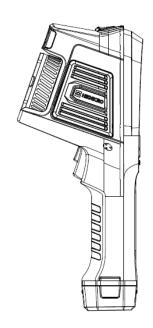
Radiometric Infrared-Video	Over UVC, Wi-Fi	
Streaming (Compressed)		
General		
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)	
Bluetooth	Bluetooth 4.2	
USB Interface	USB Type-C	
HDMI Interface	Yes	
Laser Pointer	Yes	
LED Light	Yes	
Laser	Yes, Class II, Wavelength: 635 nm; Power: < 1 mW	
Laser Distance Meter	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, EN IEC	
	61326-1, EN IEC 61326-2-2	
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 × 120.6 × 124.5 mm (11.21 × 4.75 × 4.9 in)	
Tripod Mounting	UNC 1/4"-20	

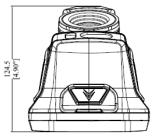
Available Model

G61

Dimension







Unit: mm [inch]

Optional Accessories



HM-701ZJ-G01-SHIELD Handheld Thermography Accessory



HM-5202ZC2 G Series Charging Base



HM-G605-LENS1 0.5x wide angle lens, for G41 and G61



HM-G620-LENS1 2x telephoto lens, for G41 and G61



HM-SP01-P0UCH M/G/SP Series Pouch



HM-G630-LENS1 3x telephoto lens, for G41 and G61



INR18650-35E-1S2P G Series Battery

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.



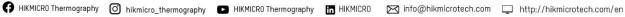












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