

SP60 Handheld Thermography Camera



The HIKMICRO SP60 high-performance handheld thermal imaging camera is ideal for industrial, predictive, oil and gas, and utility maintenance inspections. HIKMICRO SP60 has a high sensitivity (NETD < 30 mK) and high resolution (640 \times 480) HIKMICRO VOx detector, and the temperature calibration is up to 650°C. This flexible and ergonomic thermal imager provides an electronic viewfinder and a 180° rotating lens, making long-day outdoor inspections easier. 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 Feature

- Thermal resolution: 640 × 480 (307, 200 pixels), NETD: < 30 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%)
- The 90° rotating screen and the 180° rotating lens design
- 1024 × 768 OLED electronic viewfinder and auto-brightness 5-inch color LCD display
- 1.0× to 12.0× continuous digital zoom
- Manual, automatic, and 1-Tap Level and Span
- Manual focus, continuous autofocus, autofocus, and laser-assisted focus
- GPS, BDS, GLONASS or GALILEO & compass annotation functions
- 25 Hz image frequency
- 8 MP Optical camera
- Up to 4 hours continuous running

Specification

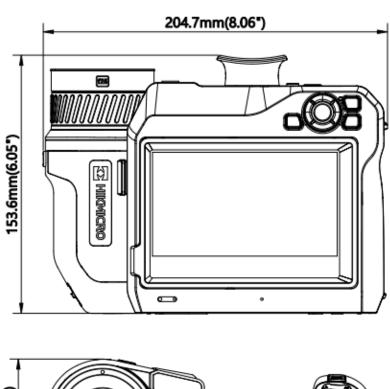
| Infrared Image | |
|------------------------------|--|
| IR Resolution | 640 × 480 (307, 200 pixels) |
| Super Resolution | 1280 × 960 (1,228, 800 pixels) |
| NETD | < 30 mK (@ 25°C, F# = 1.0) |
| Image Frequency | 25 Hz |
| Detector Pitch | 17 μm |
| Spectral Range | 7.5 µm to 14 µm |
| Focal Length | L8: 77.4 mm; L12: 51.4 mm; L25: 25 mm; L50: 12.6 mm |
| F-number | L8: F1.2; L12: F1.1; L25: F1.0; L50: F1.0 |
| Field of View (FOV) | L8: 8° × 6°; L12: 12° × 9°; L25: 50°× 37.3°; L25: 24.8° × 18.7° |
| Spatial Resolution (IFOV) | L8: 0.22 mrad; L12: 0.33 mrad; L25: 0.68 mrad; L50: 1.35 mrad |
| Min. Focus Distance | L8: 2 m (6.56 ft); L12: 1 m (3.3 ft); L25: 0.2 m (0.65 ft); L50: 0.2 m (0.65 ft) |
| Focus Mode | Laser Assisted AF/Continuous AF/AF/Manual Focus |
| Focus Speed | Approx. 1 second |
| Image Display | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |
| Visual Camera | 3264 × 2448 (8 MP) |
| Display | 1280 × 720 Resolution, 5" LCD Touch Screen |
| Screen Brightness | Manual/Auto |
| Viewfinder | 1024 × 768 pixels OLED |
| Digital Zoom | 1.0 × to 12.0 × continuous |
| Color Palettes | White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain |
| Focus Mode Palette | Above/Below/Interval |
| Color Alarm | Above/Below/Interval/Insulation |
| Image Modes | Thermal/Visual/Fusion/PIP/Blending |
| Measurement and Analysis | Thermaly visually a story in y biending |
| Object Temperature Range | -20°C to 650°C (-4°F to 1202°F) |
| Accuracy | Max. (± 2°C/3.6°F, ± 2%) |
| Accuracy | Center Spot, Hot Spot, Cold Spot |
| Measurement Tools | User-definable: 3 spots, 1 line, and 3 rectangles. |
| Level and Span Mode | Auto/Manual/1-Tap Touch-Screen |
| Inspection Route | Yes |
| Data Storage and Communicati | |
| Storage Media | Removable 64 GB SD Card |
| Image Storage Capacity | Approx. 60,000 Images |
| mage storage capacity | Voice note: max. 60 seconds; |
| Annotations | Text note: max. 200 characters |
| Video Storage Capacity | Approx. 64 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 | HDMI-D |
| | |

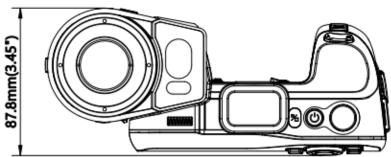
| Laser Distance Meter | Indoor distance: 50 m (164 ft); |
|---------------------------|---|
| | Outdoor distance: 10 m (33 ft). |
| Laser | Yes, Class II, Wavelength: 635 nm; Power: < 1 mW |
| LED Light | Yes |
| GPS & Compass | Yes |
| Battery Type | Interchangeable and rechargeable Li-ion battery |
| Battery Operating Time | Approx. 4 hours |
| Battery Charging Time | Approx. 2.5 hours fully charged |
| Power Saving Mode | Yes |
| Programmable Buttons | 2 |
| Protection Level | IP54 |
| Drop Test Height | 2 m (6.56 ft) |
| Safety | IEC 61010-1 |
| EMC | EN55032, EN50130-4, EN61000-3-3 |
| Vibration | 0.03 g2/Hz (3.8 g), 2.5 g IEC 60068-2-6 |
| Shock | 25 g, IEC 68-2-29 |
| 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. 1590 g (3.51 lb) |
| Dimension | 204.7 mm × 153.6 mm × 87.8 mm (8.06" × 6.05" × 3.45") |
| Tripod Mounting | UNC ¼"-20 |

Available Model

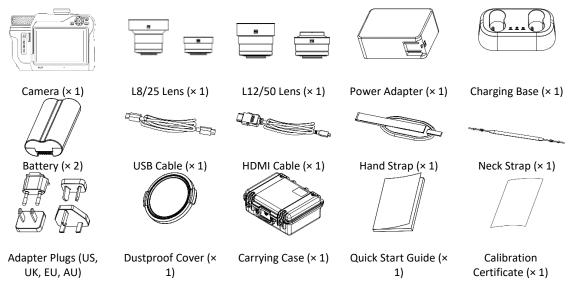
SP60-L8, SP60-L8/25, SP60-L12, SP60-L12/50, SP60-L25, SP60-L50

Dimension





Packing List



Accessory

Optional



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