

## G60 Handheld Thermography Camera



The thermographic handheld camera is based on the thermal technology, specially designed for the needs of temperature measuring applications. People can quickly troubleshoot faults on-site.

### Key Features

- Thermal resolution: 640 x 512 (327 680 pixels)
- NETD : < 35 mK (@ 25 °C,F#=1.0)
- Temperature measurement range : -20 °C to 650 °C (-4 °F to 1202 °F)
- Accuracy: Max ( $\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$ ,  $\pm 2\%$ )
- Measurement Presets: Center spot, Hot spot, Cold spot, User Preset Point/Line/Area
- Auto/Manual/Laser focus
- 50 Hz image frequency
- 4.3" LCD touch screen display
- 8MP Optical camera
- Up to 4 hours continuous running

## Specification

| <b>Thermal Module</b>           |  |
|---------------------------------|--|
| Image Sensor                    | Vanadium Oxide Uncooled Focal Plane Arrays                       |
| IR Resolution                   | 640 x 512 (327 680 pixels)                                       |
| Pixel Pitch                     | 17 $\mu$ m   |
| Spectral Range                  | 8 - 14 $\mu$ m   |
| NETD                            | < 35 mK (@25°C), F#=1.0  |
| Focal Length                    | 25 mm  |
| FOV (Field of View)             | 25° x 19°  |
| Image Frequency                 | 50 Hz  |
| Focus                           | Continuous Autofocus/Autofocus/Manual Focus/Laser Assisted Focus |
| IFOV (Spatial Resolution)       | 0.68 mrad  |
| Aperture                        | F1.1   |
| Minimum Focus Distance          | 0.3 m (0.98 ft)  |
| <b>Optical Module</b>           |  |
| Picture Resolution              | Configurable: 2 MP, 5 MP, 8 MP                                   |
| Video Resolution                | 640 x 480  |
| Focus                           | Fixed  |
| FOV                             | 25° x 19°  |
| <b>Image Display</b>            |  |
| Display                         | 800 x 480 Resolution, 4.3" LCD Touch Screen                      |
| Color Palettes                  | White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain    |
| Digital Zoom                    | 1x, 2x, 4x, 8x   |
| Image Modes                     | Thermal/Optical/Fusion/PIP                                       |
| PIP                             | Thermal Picture in Optical Picture                               |
| Fusion                          | Thermal Picture and Optical Picture Combined                     |
| <b>Measurement and Analysis</b> |  |
| Object Temperature Range        | -20 °C to 650 °C (-4 °F to 1202 °F)                              |
| Accuracy                        | Max ( $\pm$ 2°C/3.6°F, $\pm$ 2%)                                 |
| Measurement Presets             | Center Spot, Hot Spot, Cold Spot, Off                            |
| Point                           | 10 User Presets  |
| Line                            | 1 User Preset  |
| Area                            | 3 User Presets   |
| High Temperature Alarm          | Audible Warning  |
| Color Alarm (Isotherm)          | Above/Below/Interval/Insulation                                  |
| <b>Storage</b>                  |  |
| Storage Media                   | Removable Micro SD Card (64 GB)                                  |
| Image Storage Capacity          | 60 000 Images  |
| Image File Format               | BMP with Measurement Data Included                               |
| Video Storage Capacity          | 54 Hours   |

|                           |  |
|---------------------------|--|
| Video File Format         | MP4  |
| <b>Functions</b>          |  |
| Laser Pointer             | Yes  |
| Laser Type                | Class II   |
| Wi-Fi                     | 802.11 b/g/n (2.4 GHz)   |
| Bluetooth                 | Bluetooth 4.2  |
| Level/Span                | Auto/Manual  |
| Text Comment              | Max 200 Characters   |
| Voice Comment             | Max 60 Seconds   |
| UVC Cast Screen           | Yes  |
| <b>Power System</b>       |  |
| Power Supply              | 12 V DC/1.5A, 5V DC/2A (Charging via USB)  |
| Power Consumption         | 5 W  |
| Battery Type              | Dismountable and Rechargeable Li-ion Battery   |
| Battery Operating Time    | 4 Hours Continuous Running   |
| <b>General</b>            |  |
| Menu Language             | 17 Languages<br>English, Russian, Hungarian, German, Italian, Czech, Slovak, French, Polish, Portuguese, Spanish, Romanian, Danish, Turkish, Korean, Traditional Chinese, Japanese |
| 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)  |
| Protection level          | IP54   |
| Drop Test Height          | 2 m (6.56 ft)  |
| Interface                 | USB Type-C   |
| Weight                    | Approx. 1000 g (2.20 lb)   |
| Dimension                 | 284.7 mm × 118.3 mm × 127.1 mm (11.21 " × 4.66 " × 5.00 ")   |
| Tripod Mounting           | UNC ¼"-20  |

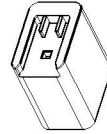
## Packing List



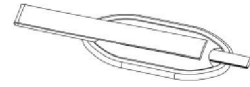
Quick Start Guide (x1)



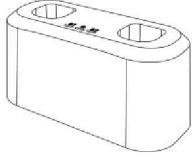
Type-C Cable (x1)



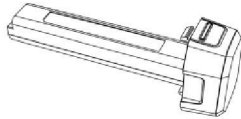
Power Adapter (x1)



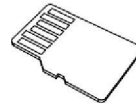
Hand Strap (x1)



Charging Base (x1)



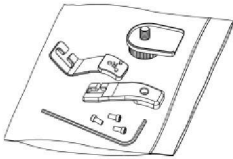
Battery (x2)



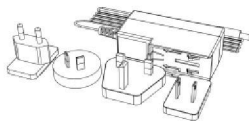
Micro SD Card (x1)



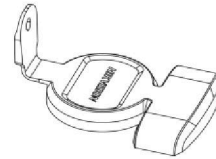
CVBS Cable (x1)



Tools Package (x1)



Charger (x1)



Lens Cover (x1)

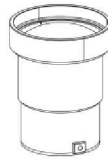
## Optional



Teleconverter 0.5X



Teleconverter 2X



Teleconverter 3.3X

## Available model

HM-TP76-25SVF/W-G60

## Dimension

