

M30 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

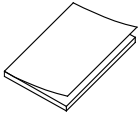
- Thermal resolution: 384 x 288 (110 592 pixels)
- NETD : < 35mK (@ 25 °C, F#=1.0)
- Temperature measurement range : -20 °C - 550 °C (-4°F~1022°F)
- Accuracy: Max ($\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$, $\pm 2\%$), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
- Measurement Presets: Center spot, Hot spot, Cold spot, User Preset Point/Line/Area
- Manual focus
- 25 Hz image frequency
- 3.5" LCD touch screen display

Specification

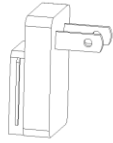
| Thermal Module | |
|---------------------------|--|
| Image Sensor | Vanadium Oxide Uncooled Focal Plane Arrays |
| IR Resolution | 384 × 288 (110 592 pixels) |
| Pixel Pitch | 17 μm |
| Spectral Range | 8 - 14 μm |
| NETD | < 35mK (@ 25 °C, F#=1.0) |
| Focal Length | 10 mm |
| FOV (Field of View) | 37.5° × 28.5 ° |
| Image Frequency | 25 Hz |
| Focus | Manual |
| IFOV (Spatial Resolution) | 1.7mrad |
| Aperture | F1.0 |
| Minimum Focus Distance | 0.1 m (0.33 ft) |
| Optical Module | |
| Picture Resolution | Configurable: 2 MP, 5 MP, 8 MP |
| Video Resolution | 640 × 480 |
| Focus | Fixed |
| FOV | 37.5° × 28.5 ° |
| Image Display | |
| Display | 640 × 480 Resolution, 3.5" 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 |
| Measurement and Analysis | |
| Object Temperature Range | -20 °C to 550 °C (-4 °F to 1022 °F) |
| Accuracy | Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F) |
| 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 |
| Storage | |
| Storage Media | Removable Micro SD Card (64 GB) |
| Image Storage Capacity | 120 000 Images |
| Image File Format | JPEG with Measurement Data Included |

| | |
|---------------------------|---|
| Video Storage Capacity | 56 Hours |
| Video File Format | MP4 |
| Functions | |
| Laser Pointer | Yes |
| Laser Type | Class II |
| LED Light | 70 Lumens |
| Wi-Fi | 802.11 a/ac/b/g/n (2.4 and 5 GHz) |
| Bluetooth | Bluetooth 4.2 |
| Level/Span | Auto/Manual |
| Text Comment | Max 200 Characters |
| Voice Comment | Max 60 Seconds |
| Power System | |
| Power Supply | 12 V DC/1.5A, 5V DC/2A (Charging via USB) |
| Power Consumption | 4.6 W |
| Battery Type | Dismountable and Rechargeable Li-ion Battery |
| Battery Operating Time | 4 Hours Continuous Running |
| General | |
| Menu Language | 18 Languages English/German/French/Russian/Korean/Spanish/Portuguese/Italian/Japanese/Hungarian/Czech/Slovak/Polish/Romanian/Danish/Turkish/Traditional_Chinese/Arabic |
| 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. 660 g (1.46 lb) |
| Dimension | 244 mm × 100 mm × 104 mm (9.6 " × 3.9 " × 4.1 ") |
| Tripod Mounting | UNC ¼"-20 |

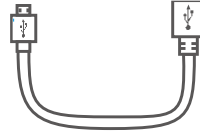
Packing List



Quick Start Guide
(x1)



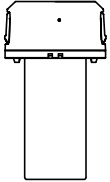
Adapters (x4)



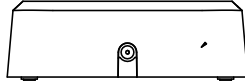
USB Cable (x1)



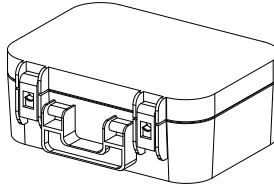
Power Adapter (x1)



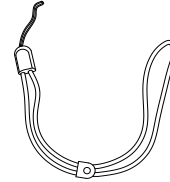
Battery (x2)



Charging Base (x1)



Box (x1)



Wrist Strap (x1)

Available model

HM-TP23-10VF/W-M30

Dimension

