

DS-2TP23-10VM/W Handheld Thermography Camera



The handheld thermography camera, specially designed for temperature measurement in transformer substation. It's equipped with a 384×288 resolution thermal detector and a 5MP resolution optical light detector. The 3.5-inch touch screen displays picture in picture of optical and thermal view, fusion of both channels. It helps the staff to quickly find the fault according to accurate temperature measurement of high temperature targets in the environment. Meanwhile it provides assistant decision and ensure safety.

Key Features

- 384 × 288 resolution (thermal), and 1080P resolution (optical)
- DDE (Digital Detail Enhancement) technique
- 3D DNR, adaptive AGC (Automatic Gain Control)
- 640×480 resolution 3.5" LCD touch display
- Built-in rechargeable Li-ion battery
- Up to four hours continuous running



Application Scenarios

The device is mainly applied to various industries, such as Power, Photovoltaic, Metallurgy, Piping, Building, Electronics, Telecommunication, Fire control, and Data center, etc.,



Power



Photovoltaic



Metallurgy



Piping



Building



Electronics



Telecommunication



Fire Control



Data Center

Functions

Thermography

Device detects the real-time temperature, and display it on the screen.

Storage

Device is equipped with built-in memory module to store recorded videos, captured snapshots, and important data.

Fusion

Device can display fusion of thermal view and optical view.

Palette and Alarm

Device supports multiple palettes, and you can set the palette mode according to the alarm function

Wi-Fi Function

Device can be connected to Wi-Fi. You can connect the device via Wi-Fi hot spot, and you can view live view, capture, and recording, etc.

Digital Zoom

Device supports 1×, 2× and 4× digital zoom.

LED Light:

LED light supplement makes the device a torch in required scenarios.

Laser Light Supplement:

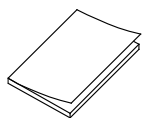
Long-distance laser light supplement to point the thermography target.

Specifications

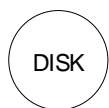
| | | Model | DS-2TP23-10VM/W |
|-----------------------|------------------------|-------------------------|--|
| Parameter | | | Handheld Thermography Camera |
| Thermal Module | Image sensor | | Uncooled Focal Plane Arrays |
| | Max. Resolution | | 25Hz: 384 × 288 |
| | Pixel Pitch | | 17μm |
| | Response waveband | | 8μm to 14μm |
| | NETD | | < 40mk (@ 25 °C,F#=1.0) |
| | Field of View | | 37.5° × 28.5 ° |
| | Focal length | | 10 mm (Manual focus) |
| | I FOV (mrad) | | 1.7mrad |
| Optical Module | Aperture | | F 1.0 |
| | Max. Resolution | | 1920 × 1080 |
| | Picture Resolution | | Display: 384*288; Capture: 1920 × 1080 |
| Image Display | Video Resolution | | Display: 384*288; Record:1920 × 1080 |
| | Monitor | | 640 × 480 resolution 3.5'' LCD touch display |
| | Palettes | | Black hot, White hot, Red hot, Rainbow, Ironbow, Fusion, Rain |
| | Digital Zoom | | Thermal: 1×, 2×, 4× |
| | Thermal / Optical | | Thermal/Optical/Fusion image/Picture in picture |
| | Picture in Picture | | Support Thermal View in Optical View |
| | Fusion | | Support (Thermal View and Optical View Combined) |
| Thermography | Record Video | | Support on-board video recording |
| | Rules | | Max. Temperature; Min. Temperature; Center Temperature; Custom Point/Line/Area Thermometry |
| | Thermometry Range | | -20 °C to 550 °C (-4 °F to 1022 °F) |
| | Thermometry Accuracy | | Max (±2 °C, ±2%) |
| Battery | Battery Type | | dismountable and rechargeable Li-ion Battery |
| | Battery Operating Time | | Four hours continuous running |
| Functions | Laser Light | | Support (Point to the thermography target) |
| | Storage | | Built-in memory module (64G) |
| | Photo | | Thermal/Optical/Fusion image |
| | Video | | Thermal/Optical/Fusion image |
| | Lighting | | Support |
| | Wi-Fi | | Support |
| | Text Comment | | Support |
| | Voice Comment | | Support |
| General | Language | | English |
| | Power | | 12 V DC/1.5A, 5V DC/2A (Charging via USB) |
| | Power Consumption | | Approx. 5 W (Wi-Fi On), 4.2 W (Wi-Fi Off) |
| | Hardware Interface | | micro USB |
| | Working Temperature | | -20 °C to 50 °C (-4 °F to 122 °F) |
| | Protection level | | IP54 |
| | Drop Test Height | | 2 m (6.56 feet) |
| | Dimension | | 244 mm × 100 mm × 104 mm (9.6 " × 3.9 " × 4.1 ") |
| Weight | | Approx. 660 g (1.46 lb) | |

Order Models

DS-2TP23-10VM/W

Box Content

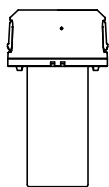
User Manual (x1)



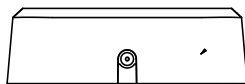
Disk (x1)



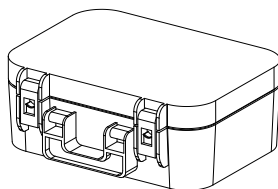
USB Cable (x1)

power Adapter
(x1)

Battery (x1)

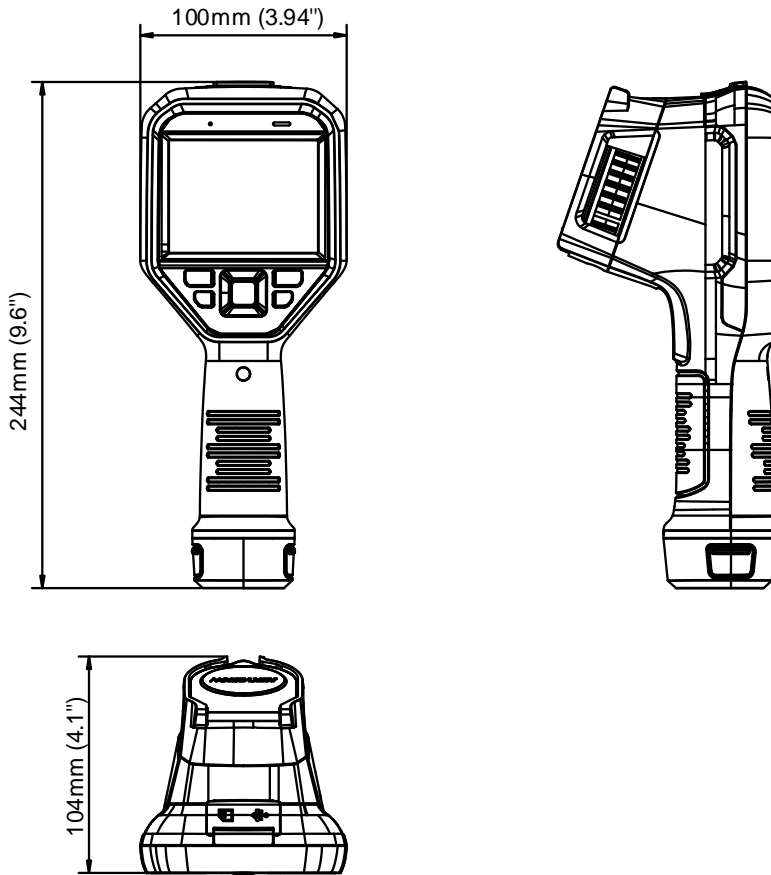


Charging Base (x1)

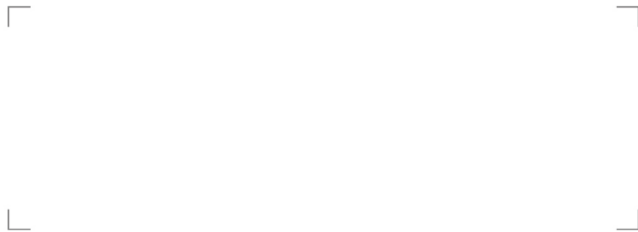


Box (x1)

Dimensions



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