

DS-2TP21B-6AVF/W

Thermographic Handheld Camera



The Hikvision DS-2TP21B-6AVF/W Thermographic handheld camera is specially designed for temperature measurement applications, where heat leaks and other abnormal changes in temperature must be identified.

It is equipped with a 160×120 resolution thermal detector and 8 MP optical resolution. It combines thermal and optical images into a fusion display.

Available Models:

DS-2TP21B-6AVF/W

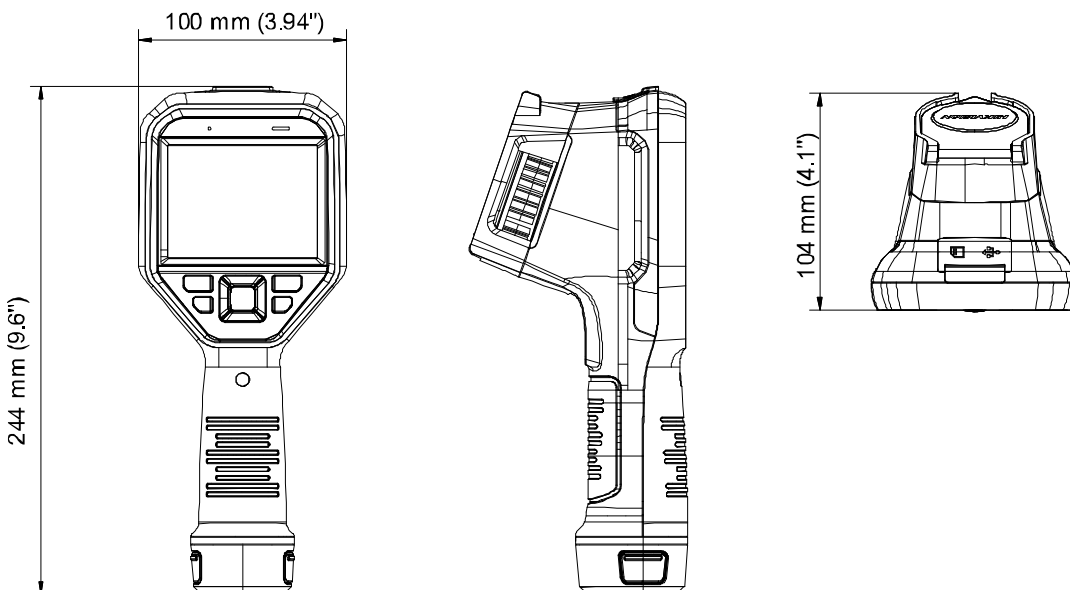
- 160 × 120 Resolution (Thermal), and 8 MP Resolution (Optical)
- Thermographic Accuracy up to $\pm 0.9^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$) at 4.92 ft to 8.2 ft (1.5 m to 2.5 m)
- Display Fusion of Thermal View and Optical View
- 640 × 480 Resolution 3.5" LCD Touch Display
- Supports Live View on PC, Mobile Device, or External Monitor
- Supports Audio Intercom
- Supports Color Highlight Alarm and Audio Alarm



Specifications

| DS-2TP21B-6AVF/W | |
|------------------------|---|
| Thermal Module | |
| Image Sensor | Uncooled focal plane arrays |
| Resolution | 25 Hz: 160 × 120 |
| Pixel Pitch | 17 μm |
| Response Waveband | 8 μm to 14 μm |
| NETD | <40 mk (@ 25° C, F#=1.0) |
| Field of View | 25° × 18.7° |
| Focal Length | 6.2 mm (manual focus) |
| IFOV | 2.74 mrad |
| Aperture | f/1.1 |
| Optical Module | |
| Picture Resolution | Configurable: 2 MP, 5 MP, 8 MP |
| Video Resolution | 640 × 480 |
| Monitor | 640 × 480 resolution 3.5" LCD touch display |
| Palettes | Black hot, white hot, red hot, rainbow, ironbow, fusion, rain |
| Image Display | |
| Digital Zoom | Thermal: 1x, 2x, 4x |
| Thermal/Optical | Thermal/optical/fusion image/picture-in-picture |
| Picture-in-Picture | Supports thermal view in optical view |
| Fusion | Supports thermal view and optical view combined |
| Record Video | Supports on-board video recording |
| Thermography | |
| Rules | Maximum temperature; minimum temperature; center temperature; custom point/line/area thermography |
| Accuracy | ±0.9° F (±0.5° C) at 4.92 ft to 8.2 ft (1.5 m to 2.5 m) |
| Battery | |
| Battery Type | Dismountable and rechargeable li-ion battery |
| Battery Operating Time | 5 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light off 4 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light on |
| Storage | Built-in memory module (16 GB) |
| Photo | Thermal/optical/fusion image |
| Video | Thermal/optical/fusion image |
| Wi-Fi | Supported |
| Text Comment | Supported |
| Voice Comment | Supported |
| Language | English |
| General | |
| Power | 5 VDC/2 A |
| Power Consumption | Maximum 4.5 W |
| Hardware Interface | Type-C interface |
| Working Temperature | 50° to 95° F (10° to 35° C) indoor and windless environment use only |
| Protection Level | IP54 |
| Drop Test Height | 6.56 ft (2 m) |
| Dimension | 9.6" × 3.9" × 4.1" (244 mm × 100 mm × 104 mm) |
| Weight | With battery: 1.44 lb (653 g) Without battery: 1.13 lb (511 g) |

Dimensions



Accessories

NOT INCLUDED



DS-2907ZJ
Tripod