# Handheld Thermal Temp Monitoring Device

## Contactless Temperature Measurement

- 256 x 192 Uncooled VOx Thermal Sensor Technology
- 3.5 mm Fixed Athermalized Lens, Focus-free
- ±0.5° C (±0.9° F) Temperature Accuracy
- ≤ 50 mK Thermal Sensitivity
- Contactless Temperature Measurement
- Connect Handheld Device to a Computer and Monitor via USB
- Rechargeable Lithium-Ion Battery
- Requires 15 to 20 Minutes to Warm-up
- IP54 Ingress Protection
- Three-year Warranty*

## Technical Specification

### Thermal Camera

| | |
|---|---|
| Image Sensor | Uncooled VOx FPA |
| Effective Pixels | 256 (H) x 192 (V) |
| Pixel Size | 12 μm |
| Thermal Sensitivity (NETD) | ≤ 50 mK at F1.0 |
| Spectral Range | 8 μm to 14 μm |
| Color Palettes | Four (4)<br>Whitehot, Blackhot, Rainbow, Ironbow |

### Thermal Lens

| | |
|---|---|
| Lens Type | Fixed |
| Focus Control | Athermalized, Focus-free |
| Focal Length | 3.5 mm |
| Angle of View | Horizontal: 50.6°<br>Vertical: 37.8° |
| Aperture | F1.0 |

### Display

| | |
|---|---|
| Size | 2.40-in. LCD |
| Resolution | 320 x 240 |

### Temperature Measurement

| | |
|---|---|
| Range | 30° C to 45° C (86° F to 113° F) |
| Accuracy | ±0.5° C (0.9° F),<br>when operating temperature is between<br>15° C to 35° C (59° F to 95° F) |
| Mode | Head<br>Center<br>Maximum Temperature |
| Alarm | Audible alarm when measured temperature exceeds threshold value |
| Distance | 0.50 m to 1.50 m (19.69 in. to 59.06 in.) |

### Interface

| | |
|---|---|
| Edge Storage | Micro SDHC Card Slot, maximum 32 GB<br>(SD card must be formatted as FAT32) |
| USB | Micro USB, used to charge the unit and to transfer recorded video[1] |

### Battery

| | |
|---|---|
| Type | Built-in Rechargeable Lithium-Ion Battery |
| Life | > 8 Hours, continuous operation at 25° C ( 77° F) |
| Charge Time | ≤ 2.5 Hours at 25° C ( 77° F) |

### Certifications

| | |
|---|---|
| Electromagnetic Compatibility (EMC) | CFR 47 FCC Part 15 Subpart B<br>EN 55032:2015, EN 61000 3 3: 2013+A1:2019,<br>EN 50130 4:2011/A1:20 14,<br>EN 55024:2010/A1:2015, EN 55035:2017 |

### Environmental

| | |
|---|---|
| Operating Temperature | 15° C to 35° C (59° F to 95° F) |
| Storage Temperature | −20° C to 60° C (−4° F to 140° F) |
| Ingress Protection | IP54 |

### Construction

| | |
|---|---|
| Dimensions | 192.40 mm x 62.55 mm x 73.40 mm<br>(7.58 in. x 2.46 in. x 2.89 in.) |
| Net Weight | 0.50 kg (1.10 lb) |
| Installation | Handheld or Tripod-mounted |

1. The device can record video and snapshots to the SD Card, but can only display the snapshots on the screen. To view video recorded to the SD Card, the card must be removed from the device and placed into a computer with SmartPlayer. Note that the recorded video is stored as a .dav file.

*Warranty applies to products sold through an authorized Dahua Dealer.