

# Handheld Temperature Monitoring Camera

## Contactless Temperature Measurement



- 256 x 192 Uncooled VOx Thermal Sensor Technology
- 3.5 mm Fixed Athermalized Lens, Focus-free
- $\pm 0.5^{\circ}\text{C}$  ( $\pm 0.9^{\circ}\text{F}$ ) Temperature Accuracy
- $\leq 50\text{ mK}$  Thermal Sensitivity
- Contactless Temperature Measurement
- Connect Handheld Device to a Computer and Monitor via USB
- Rechargeable Lithium-Ion Battery
- 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 $\mu\text{m}$
Thermal Sensitivity (NETD)	$\leq 50\text{ mK}$ at F1.0
Spectral Range	8 $\mu\text{m}$ to 14 $\mu\text{m}$
Color Palettes	Four (4) Whitehot, Blackhot, Rainbow, Ironbow

#### Thermal Lens

Lens Type	Fixed
Focus Control	Athermalized, Focus-free
Focal Length	3.5 mm
Angle of View	Horizontal: $50.6^{\circ}$ Vertical: $37.8^{\circ}$
Aperture	F1.0

#### Display

Size	2.40-in. LCD
Resolution	320 x 240

#### Temperature Measurement

Range	$30^{\circ}\text{C}$ to $45^{\circ}\text{C}$ ( $86^{\circ}\text{F}$ to $113^{\circ}\text{F}$ )
Accuracy	$\pm 0.5^{\circ}\text{C}$ ( $0.9^{\circ}\text{F}$ ), when operating temperature is between $15^{\circ}\text{C}$ to $35^{\circ}\text{C}$ ( $59^{\circ}\text{F}$ to $95^{\circ}\text{F}$ )
Mode	Head Center 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 SD Card Slot, maximum 256 GB
USB	Micro USB, used to charge the unit and to transfer recorded video

#### Battery

Type	Built-in Rechargeable Lithium-Ion Battery
Life	> 8 Hours, continuous operation at $25^{\circ}\text{C}$ ( $77^{\circ}\text{F}$ )
Charge Time	$\leq 2.5$ Hours at $25^{\circ}\text{C}$ ( $77^{\circ}\text{F}$ )

#### Certifications

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

#### Environmental

Operating Temperature	$15^{\circ}\text{C}$ to $35^{\circ}\text{C}$ ( $59^{\circ}\text{F}$ to $95^{\circ}\text{F}$ )
Storage Temperature	$-20^{\circ}\text{C}$ to $60^{\circ}\text{C}$ ( $-4^{\circ}\text{F}$ to $140^{\circ}\text{F}$ )
Ingress Protection	IP54

#### Construction

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