

Our T-Cam 160 XT is perfect for home contractors, building inspectors, electricians, police, and more. Locate air leaks and deteriorating insulation to save on energy costs. Inspect critical infrastructure, roofs, and perform general maintenance on homes and businesses. Search buildings, fence lines, sidewalks, and parking lots. Track hiding criminals, day or night. Avoid light blindness from holding an infrared thermal monocular viewer to your eye. A selection of color palettes also enhances thermal image viewing. Features ICI Dual Vision to overlay visible and infrared images. Employs a simple 4-button design with intuitive interface. Comes with voice/text annotation and software for accurate report building.

## Features

- ICI Dual Vision - IR and visible
- Single-handed operation
- Intuitive, 4-button design
- 32x continuous zoom
- Customizable emissivity + presets
- Hot/cold spot markers
- HDMI video out
- Voice/text annotation
- Light weight/portable
- Withstands light weather

## Applications

- Insulation inspections
- Air leakage/energy saving
- Home contractor inspections
- Roof inspections
- HVAC/cold storage
- Electrical/general maintenance
- Security monitoring
- Home/building security
- Airport/airfield surveillance
- Port/coastal surveillance
- Critical infrastructure

## Options & Accessories

- Optional: 0 °C to 350 °C
- Optional: sunvisor
- Optional: WiFi connectivity
- Heavy Duty Soft Carrying Case
- Handstrap
- AC charger/power supply
- Battery charger
- Micro SD Card, 8GB
- Software CD

## Specifications

- **Pixel Resolution:** 160 x 120
- **Accuracy:**  $\pm 2^{\circ}\text{C}$  ( $\pm 3.6^{\circ}\text{F}$ ) or  $\pm 2\%$
- **Temperature Range:**  $-20^{\circ}\text{C}$  to  $150^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $302^{\circ}\text{F}$ )  
Optional:  $0^{\circ}\text{C}$  to  $350^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $662^{\circ}\text{F}$ )
- **Operation Range:**  $-15^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  ( $5^{\circ}\text{F}$  to  $68^{\circ}\text{F}$ )
- **Storage Range:**  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $158^{\circ}\text{F}$ )
- **Detector Array:** Microbolometer
- **Pixel Pitch:** 17  $\mu\text{m}$
- **FOV:**  $17^{\circ}$  x  $17^{\circ}$
- **Focal Length:** 9 mm
- **Focus:** manual
- **Measurement Distance:** minimum 0.5 m (1.64 ft)
- **Spectral Band:** 8  $\mu\text{m}$  to 14  $\mu\text{m}$
- **Thermal Sensitivity (NETD):**  
< (50 mK) 0.05°C at 30°C (86°F)
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Drop Test:** 2 m (6.6 ft)
- **Shock/Vibration:** 25 G/2 G
- **Dimensions (without lens):**  
96 mm x 77 mm x 224 mm (L x W x H +/- 0.5 mm)  
(3.78" x 3.03" x 8.82" (L x W x H  $\pm$  0.02"))
- **Power:** DC 5V
- **Battery:** Li-ion, rechargeable
- **Operation Time:** 4 hours
- **Weight (with battery):** 500 g (1.1 lbs)
- **Interface:** USB-mini, Micro HDMI, Audio
- **Video Format:** MP4, > 60 minutes, 1280 x 960 @ 30 fps
- **Video Out:** Micro HDMI
- **Image Format:** JPG, > 6000 images
- **Image Polarity:** White Hot, Black Hot, Iron, Rainbow
- **Memory:** MicroSD card (8 G)
- **Screen:** 2.8" color LCD, 240 x 320
- **Digital Camera:** 5 MP
- **Zoom:** 1-32X continuous, digital zoom
- **Voice Annotation:** 60 seconds/image
- **Text Annotation:** 60 seconds/image
- **IP Rating:** IP54
- **Languages:** multinational
- Internal non-uniformity correction (NUC)
- 1/4"-20 tripod support
- Attached camera lens cap
- Earphone jack