

T-CAM 160 XT

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
- Dual temperature range
- Single-handed operation
- Simple 4-button design
- Intuitive interface
- 32x continuous zoom
- Customizable emissivity + presets
- Hot/cold spot markers
- HDMI video out
- Built in shutter
- Voice/text annotation
- Light weight/portable
- Multiple color palettes
- 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

- **Detector Array:** Microbolometer
- **Pixel Pitch:** 17 µm
- **FOV:** 17° x 17°
- **Focal Length:** 9 mm
- **Focus:** manual
- **Measurement Distance:** minimum 0.5 m
- **Pixel Resolution:** 80 x 80
- **Spectral Band:** 8 µm to 14 µm
- **Thermal Sensitivity (NETD):** < 0.05 °C at 30 °C (50 mK)
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** -20 °C to 150 °C
Optional: 0 °C to 350 °C
- **Operation Range:** -15 °C to 50 °C
- **Storage Range:** -40 °C to 70 °C
- **Humidity:** 5% to 95% non-condensing
- **Accuracy:** ± 2 °C
- **Pixel Operability:** > 99 %
- **Drop Test:** 2 m
- **Shock/Vibration:** 25 G/2 G
- **Dimensions (without lens):** 96 mm x 77 mm x 224 mm
(L x W x H ± .5 mm)
- **Power:** DC 5V
- **Battery:** Li-ion, rechargeable
- **Operation Time:** 4 hours
- Intelligent charger
- **Weight (with battery):** 500 g
- **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:** IP 54
- Built in shutter
- **Languages:** multinational
- Built in microphone
- Attached camera lens cap
- Earphone jack

ICI cameras all fall under US Federal Law and Export Control.