

The ICI T-Cam 160 P is a must-have tool for any contractor, electrician, or food services inspectors. Maintain critical electrical and building infrastructure as well as cold storage and food service equipment. Keep engines running within normal temperatures. The handheld thermal imager has a 160 x 120 resolution infrared camera with a 3.5" Color LCD, 320 x 240 capacitive touchscreen. The 60 seconds of voice recording and text annotation on images is an invaluable feature when working in the field. Includes software.

Features

- ICI Dual Vision - IR and visible
- Dual temperature range
- Single-handed operation, 5-button design
- Intuitive interface
- 20x continuous zoom
- 2 lines, 3 area boxes, 3 spots
- Thumbnail view & image rotation
- Voice/text annotation
- Touch screen display
- LED flashlight
- Includes software

Applications

- Electrical inspections
- Home Contractor inspections
- Plant/General maintenance
- HVAC/R
- Transportation/automotive
- Cooling and reheating
- Serving areas
- Food service equipment
- Cold storage

Options & Accessories

- Optional: 0 °C to 400 °C
- Optional: 2x Wide Angle lens
- Optional: 2x Telephoto lens
- Optional: WiFi connectivity
- Optional: Bluetooth
- Optional: sunvisor
- 7.5 mm Manual focus lens (29.8° x 22.6°)
- 11 mm Manual focus lens (20.6° x 15.5°)
- 22 mm Manual focus lens (10.4° x 7.8°)
- 33 mm Manual focus lens (6.9° x 5.2°)
- Heavy duty hard case
- Handstrap & camera lens cap
- AC charger/power supply
- Software CD

Specifications

- **Detector Array:** Microbolometer
- **Pixel Pitch:** 17 µm
- **FOV:** 17° x 17°
- **Focal Length:** 9 mm
- **Focus:** manual
- **Measurement Distance:** minimum 0.2 m
- **Pixel Resolution:** 160 x 120
- **Spectral Band:** 8 µm to 14 µm
- **Thermal Sensitivity (NETD):** < 0.08 °C at 30 °C (80 mK)
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** -20 °C to 150 °C
Optional: 0 °C to 400 °C
- **Operation Range:** -15 °C to 50 °C
- **Storage Range:** -40 °C to 70 °C
- **Humidity:** 10% to 90% non-condensing
- **Accuracy:** ± 2 °C
- **Pixel Operability:** > 99 %
- **Drop Test:** 2 m
- **Shock/Vibration:** 25 G/2 G
- **Dimensions (without lens):** 160 mm x 103 mm x 224 mm
(L x W x H ± .5 mm)
- **Power:** DC 9V to 12V
- **Battery:** Li-po, rechargeable
- **Operation Time:** 4.5 hours
- Intelligent charger
- **Weight (with battery):** 500 g
- **Interface:** USB-mini, MicroSD, audio, composite video
- **Video Format:** MP4, > 60 minutes, 640 x 480 @ 30 fps
- **Video Out:** Micro HDMI
- **Image Format:** JPG, > 1000 images
- **Image Polarity:** white hot, black hot, iron, rainbow, feather
- **Memory:** MicroSD card (4 G)
- **Screen:** 3.5" color LCD capacitive touch screen, 320 x 240
- **Digital Camera:** 640 x 480
- **Zoom:** 1-20X continuous, digital zoom
- **Voice Annotation:** 60 seconds/image
- **Text Annotation:** 60 seconds/image
- **IP Rating:** IP 65
- 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.