

# ICI | T-Cam 80 - Builder



[www.infraredcamerasinc.com](http://www.infraredcamerasinc.com) | [sales@infraredcamerasinc.com](mailto:sales@infraredcamerasinc.com)

INFRARED CAMERAS INC.  
2105 W. Cardinal Dr.  
Beaumont, TX 77705

Phone: (409) 861-0788  
Toll Free: (866) 861-0788

We are IR™

# ICI | T-Cam 80 - Builder

The T-Cam 80 - Builder is the perfect builder or building inspectors tool. Rugged and durable with incredible sensitivity and image quality, the handheld thermal imaging camera is designed for comfort and ease of use in the field. Water Resistant and withstands light weather. Offers dual temperature ranges: -20 °C to 150 °C or 0 °C to 350 °C. Features include 32x continuous zoom, ICI Dual Vision to overlay Visible and Thermal Images, and Customizable Emissivity + Presets for common building materials such as steel and concrete. Comes with Voice / Text annotation and ICI Reporter Software for accurate report building.



## Features

- ICI Dual Vision - IR and Visible
- Dual Temperature Range
- Single-Handed Operation
- Simple Four-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

- Building / Home Inspections
- Insulation Inspections
- Electrical Inspections
- Air Leakage
- Roof Inspections
- HVAC Inspections
- Real Estate Appraisals
- Plumbing / Swimming Pools

## Options & Accessories

- Heavy Duty Soft Carrying Case
- Handstrap
- Sun visor (Optional)
- AC charger/power supply
- Battery charger
- Micro SD Card, 8GB
- WiFi Connectivity (Optional)
- ICI Reporter Software

## Specifications

- **Detector Array:** Microbolometer
- **Pixel Resolution:** 80x80
- **Spectral Band:** 8  $\mu$ m to 14  $\mu$ m
- **Thermal Sensitivity (NETD):**  
< 0.01 °C at 30 °C (10 mK)
- **Accuracy:**  $\pm$  2 °C
- **FOV:** 17° x 17°
- **Focal Length:** 9 mm
- **Minimum Focal Distance:** 0.5 m
- **Frame Rate:** 50 Hz P-Series
- **Dynamic Range:** 14-bit
- **Temperature Range:**  
Range 1: 0 °C to 350 °C  
Range 2: -20 °C to 150 °C
- **Operation Range:** -15 °C to 50 °C
- **Storage Range:** -40 °C to 70 °C
- **Display:** 2.8" Color LCD, 240x320
- **Digital Camera:** 5 MP
- **Focus:** Manual
- **Zoom:** 1x-32x continuous, digital zoom
- **Voice Annotation:** 60 Seconds/image
- **Text Annotation:** 60 Seconds/image
- **Video Format:** MP4, > 60 minutes  
1280x960 @ 30 fps
- **Video Out:** Micro HDMI
- **Image Format:** JPG, > 6,000 images
- **Image Polarity:** White Hot, Black Hot, Iron, Rainbow
- **Data Transfer:** USB-mini 2.0
- **Memory Card:** MicroSD Card, 8 G
- **Battery:** Li-ion, rechargeable
- **Operation Time:** 4 Hours
- **External Input:** DC 5V
- **Interface:** USB-mini, Micro HDMI, Audio
- **Drop Test:** 2 m
- 25 G Shock / 2 G Vibration
- **Environment:** IP54
- **Dimensions (with battery):**  
224 x 77 x 96 mm (H x W x D  $\pm$  .5 mm)
- **Weight (with battery):** 500 g
- **Languages:** Multinational
- **Pixel Operability:** > 99 %
- Attached Camera Lens Cap
- Earphone Jack

