

# ICI | T-Cam 80 - Lineman



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# ICI | T-Cam 80 - Lineman

The T-Cam 80 - Lineman is designed with a custom telephoto lens, and belt holster (optional). Unlike any other infrared camera in the world for linemen, our system is designed specifically for the inspection of distribution, transmission lines, substations, telephone poles, and underground man holes. Features include 32x continuous zoom, ICI Dual Vision to overlay Visible and Thermal Images, text editing, and Hot/Cold spot markers with customizable Emissivity + Presets for common materials such as steel and concrete. Also comes with hardshell case, handstrap, and more. Perfect for the lineman's tool box. ICI Reporter Software included.

## Specifications

- **Detector Array:** Microbolometer
- **Pixel Resolution:** 80x80
- **Spectral Band:** 8  $\mu\text{m}$  to 14  $\mu\text{m}$
- **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

## 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

- Electrical Poles
- Cutouts
- Dry Transformers
- Underground Electrical
- Substations

## Options & Accessories

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

