

ICI | T-Cam 640



www.infraredcamerasinc.com | 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 640

The T-Cam 640 thermographic camera has superior thermal imaging, with multiple image presentation including IR, visible, PIP, and IR blending. Save 640x480 resolution images as JPG or RAW, and create PDF documents using the powerful on-board analysis and reporting capabilities; analysis reports can also be printed instantly on a WiFi printer. The T-Cam 640 features a 1280x960 LCOS viewfinder, rotatable 5" (1280x720) LCD High Light Touch Screen, with 8 Spots, 8 Lines, and 8 Areas of measurement, 60 seconds of voice annotation per image, and soft key text annotation. Optional high temperature range measuring up to 2000 °C targeting electrical and industrial applications. ICI Reporting Software included.



Features

- Visual & Voice Temperature Alarm
- Collect Radiometric Temperature Data
- Rotatable 5" (1280x720) LCD Touch Screen
- 5 MP Visual Camera
- 60 Seconds Voice Annotation per Image
- Soft Key Text Notation & Sketch on image
- Syncs to Network printer via WiFi
- 8 Spots, 8 Lines, 8 Areas of Measurement
- Sleep Mode to save Power
- Low Power (< 5 W)
- Compact / Portable

Applications

- Industrial
- Scientific Research
- Building Inspections
- Electrical Inspection
- Predictive Maintenance
- HVAC

Options & Accessories

- 2x Telephoto Optic
- 2x Wide Angle Optic
- 13 mm Motorized Focus Lens (45.4° x 34.9° FOV)
- 25 mm Motorized Focus Lens (24.6° x 18.5° FOV)
- 55 mm Motorized Focus Lens (11.3° x 8.5° FOV)
- High-temp Flame Filter
- Bluetooth (Optional)
- Extra Battery

Software Options

- ICI Reporting Software
- Windows 32-bit SDK
- Linux SDK (x86, x64 and ARM)

Specifications

- **Detector Array:** Uncooled FPA Microbolometer
- **Pixel Pitch:** 15 µm
- **Pixel Resolution:** 640x480
- **Spectral Band:** 8 µm to 14 µm
- **Thermal Sensitivity (NETD):** < 0.04 °C at 30 °C (40 mK)
- **Frame Rate:** 50 Hz to 60 Hz P-Series or 9 Hz S-Series
- **Dynamic Range:** 8-bit or 14-bit
- **Temperature Range:** -20 °C to 250 °C
200 °C to 800 °C or 2000 °C
- **Operation Range:** -40 °C to 70 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** ± 1 °C
- **Pixel Operability:** > 99 %
- 25 G Shock / 2 G Vibration
- **Dimensions (with lens):** 140 x 206 x 114 mm H x W x D ± .5 mm
- **Weight (without battery):** 1150 kg
- **Encapsulation:** IP54
- **Battery:** Li-ion, Rechargeable & Replaceable
DC 12V / AC Adapter
- **Operation Time:** ≥ 4 Hours
- **Screen:** 5" (1280x720) LCD Touch Screen
- **Viewfinder:** 1280x960 LCOS Screen
- **Digital Zoom:** 1.1 ~ 4x continuously
- **Memory Card:** SD Card
- **Image Internal Storage:** 16 G
- **Image Modes:** IR image/Visual image/PIP/MIF
- **Image Format:** JPG or RAW
- **Video Storage:** Internal
- **Video Output:** H.264
- **Voice Annotation:** 60 Seconds
- Speaker & Microphone w/ Adjustable Volumes
- **Humidity:** non-condensing between 10 % to 95 %
- Micro USB 2.0 for Power & Data
- Mini HDMI
- Illuminator
- Laser & Light Sensor
- **Focus:** Motor-drive / Auto
- Built in Shutter