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 160x120 resolution infrared camera with a 3.5” Color LCD, 320x240 capacitive touchscreen. The 60 seconds of voice recording and text annotation on images is an invaluable feature when working in the field. Includes ICI Reporting Software.

### Features
- ICI Dual Vision - IR and Visible
- Auto Hot/Cold Spot Markers
- Dual Temperature Range
- Touchscreen Display
- 2 Lines, 3 Area Boxes, 3 Spots
- Voice / Text annotation
- Visible Light Digital Camera
- LED Flashlight
- Thumbnail View
- Image Rotation
- Includes Reporting Software

### Specifications
- **Detector Array**: Microbolometer
- **Pixel Resolution**: 160x120
- **Spectral Band**: 8 µm to 14 µm
- **Thermal Sensitivity (NETD)**: < 0.08°C at 30°C (80 mK)
- **Accuracy**: ± 2°C
- **Minimum Focal Distance**: 0.2 m
- **Frame Rate**: 50 Hz P Series
- **Dynamic Range**: 14-bit
- **Temperature Range**: Range 1: -20°C to 150°C
  - Range 2: 0°C to 400°C
- **Operation Range**: -20°C to 50°C
- **Storage Range**: -40°C to 70°C
- **Display**: Capacitive Touchscreen 3.5” Color LCD, 320x240
- **Digital Camera**: 640x480
- **Focus**: Manual
- **Zoom**: 1-20X continuous, digital zoom
- **Voice Annotation**: Yes, 60 Seconds per Image
- **Text Annotation**: Yes, 60 Seconds per Image
- **Image Format**: JPG, > 1,000 images, MP4, > 1,000 images
- **Video Format**: MP4, 640x480 @ 30 fps, MP4, 1280x960 @ 30 fps
- **Image Polarity**: White Hot, Black Hot, Iron, Iron Invert, Rainbow, Feather
- **Data Transfer**: USB-mini 2.0
- **Memory Card**: MicroSD Card, 4 G
- **Battery**: Lithium Polymer, rechargeable
- **Operation Time**: 4.5 hours continuous
- **Charging System**: In Camera (AC Adapter)
- **External DC Input**: DC 9V to 12V (Micro USB), DC 5V (Micro USB)
- **Languages**: Multinational
- **Waterproof**: No, Water Resistant
- **Submersible**: No
- **Bluetooth**: No
- **Cross Hair**: Yes
- **Laser Indicate**: Yes
- **Image Polarity**: White Hot, Black Hot, Iron, Iron Invert, Rainbow, Feather
- **Video Format**: MP4, 640x480 @ 30 fps, MP4, 1280x960 @ 30 fps
- **Voice Annotation**: Yes, 60 Seconds per Image
- **Text Annotation**: Yes, 60 Seconds per Image
- **Zoom**: 1-20x Continuous, 1-32x Continuous
- **Shock / Bump**: 25 G
- **Vibration**: 2 G
- **Humidity**: 10% ~ 90%

### Lens Options & Accessories
- 7.5 mm = 29.8° x 22.6°
- 11 mm = 20.6° x 15.5°
- 22 mm = 10.4° x 7.8°
- 33 mm = 6.9° x 5.2°
- 2x Telephoto Optic
- 2x Wide Angle Optic
- Hard transport case
- Sun visor (Optional)
- Tripod base
- AC charger/power supply
- Battery Charger
- Camera lens cap
- Software CD-ROM
- Hand-strap
- WiFi (Optional)
- Bluetooth (Optional)

### Applications
- Electrical Inspections
- Home Contractor Inspections
- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving Areas
- Food Service Equipment
- Cold Storage

### T-Cam 160 P Specifications

<table>
<thead>
<tr>
<th>Models</th>
<th>P</th>
<th>XT</th>
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</thead>
<tbody>
<tr>
<td>Temperature Range</td>
<td>-20°C to 150°C or 0°C to 400°C</td>
<td>0°C to 350°C or -20°C to 150°C</td>
</tr>
<tr>
<td>Thermal Sensitivity (NETD)</td>
<td>&lt; 0.08°C at 30°C (80 mK)</td>
<td>&lt; 0.1°C at 30°C (100 mK)</td>
</tr>
<tr>
<td>Detector Type</td>
<td>Uncooled FPA Microbolometer</td>
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**ICI T-Cam 160 Series Specifications**

- **Temperature Range**: -20°C to 150°C or 0°C to 400°C
- **Thermal Sensitivity (NETD)**: < 0.08°C at 30°C (80 mK)
- **Detector Type**: Uncooled FPA Microbolometer
- **Focal Plane Array**: 160x120
- **Focus**: Manual
- **Dynamic Range**: 14-bit
- **Focal Length**: 7.5 mm
- **Frame Rate**: 50 Hz
- **Field of View / FOV**: 17° x 17°
- **Spectral Range**: 8 µm to 14 µm
- **Display**: 3.5”, Color LCD, 320x240, Touchscreen
- **Battery Type**: Li-Polymer, Rechargeable
- **Operation Time**: 4.5 hours continuous
- **Drop Resistance**: 2 m
- **Dimensions**: < 243 x 103 x 160 mm
- **Weight (with battery)**: 920 g
- **Environment Rating**: IP65
- **Charging System**: In Camera (AC Adapter)
- **External DC Input**: DC 9V to 12V (Micro USB)
- **Languages**: Multinational
- **Waterproof**: No, Water Resistant
- **Submersible**: No
- **Bluetooth**: No
- **WiFi**: Optional
- **Cross Hair**: Yes
- **Laser Indicate**: Yes
- **Image Polarity**: White Hot, Black Hot, Iron, Iron Invert, Rainbow, Feather
- **Video Format**: MP4, 640x480 @ 30 fps, MP4, 1280x960 @ 30 fps
- **Voice Annotation**: Yes, 60 Seconds per Image
- **Text Annotation**: Yes, 60 Seconds per Image
- **Zoom**: 1-20x Continuous, 1-32x Continuous
- **Shock / Bump**: 25 G
- **Vibration**: 2 G
- **Humidity**: 10% ~ 90%