

ICI | T-Cam 160 P



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We are IR™

ICI | T-Cam 160 P

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

Applications

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

Lens Options & Accessories

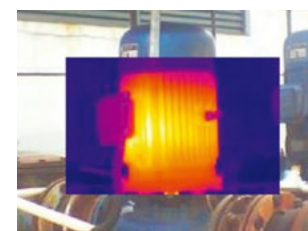
- 7.5 mm = 29.8° x 22.6°
- 11 mm = 20.6° x 15.5°
- 22 mm = 10.4° x 7.8°
- 33 mm = 6.9° x 5.2°
- 2x Telephoto Optic
- 2x Wide Angle Optic
- Hard transport case
- Sun visor (Optional)
- Tripod base
- AC charger/power supply
- Battery Charger
- Camera lens cap
- Software CD-ROM
- Hand-strap
- WiFi (Optional)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

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:** 60 Seconds/image
- **Text Annotation:** 60 Seconds/image
- **Video Format:** MP4, > 60 minutes
640x480 @ 30 fps
- **Image Format:** JPG, > 1,000 images
- **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
- **External Input:** DC 9V to 12V
- **Interface:** USB-mini, Audio, MicroSD
Composite Video (PAL and NTSC)
- **Drop Test:** 2 m
- 25G Shock / 2G Vibration
- **Environment:** IP65
- **Humidity:** 10 % ~ 90 %
- **Dimensions (with battery):**
224 x 103 x 160 mm (H x W x D ± .5 mm)
- **Weight (with battery):** 500 g
- **Languages:** Multinational
- **Pixel Operability:** > 99 %
- Built in Shutter
- Attached Camera Lens Cap
- Earphone Jack



ICI Dual Vision - IR and Visible



T-Cam 160 Series Specifications

Models	P	XT
Temperature Range	-20 °C to 150 °C or 0 °C to 400 °C	0 °C to 350 °C or -20 ° to 150 °C
Thermal Sesity (NETD)	< .08°C at 30°C (80 mK)	< 0.1 °C at 30 °C (100 mK)
Detector Type	Uncooled FPA Microbolometer	
Focal Plane Array	160x120	
Focus	Manual	
Dynamic Range	14-bit	
Focal Length	7.5 mm	9 mm
Frame Rate	50 Hz	
Field of View / FOV	17° x 17°	29.8° x 22.6°
Spectral Range	8 μm to 14 μm	
Display	3.5", Color LCD, 320x240, Touchscreen	2.8", Color LCD, 240x320
Battery Type	Li-Polymer, Rechargeable	Li-ion, Rechargeable
Operation Time	4.5 hours continuous	4 hours continuous
Drop Resistance	2 m	
Dimensions	< 243 x 103 x 160 mm	< 224 x 77 x 96 mm
Weight	920 g	500 g
Environment Rating	IP65	IP54
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	Optional
WiFi	Optional	
Cross Hair	Yes	
Laser Indicate	Yes	
Image Polarity	White Hot, Black Hot, Iron, Iron Invert Rainbow, Feather	White Hot, Black Hot, Iron, Rainbow
Image Format	JPG, > 1,000 images	JPG, > 6,000 images
Video Format	MP4, 640x480 @ 30 fps	MP4, 1280x960 @ 30 fps
Voice Annotation	Yes, 60 Seconds per Image	
Text Annotaion	Yes, 60 Seconds per Image	
Zoom	1-20x Continuous	1-32x Continuous
Shock / Bump	25 G	
Vibration	2 G	
Humidity	10 % ~ 90 %	