

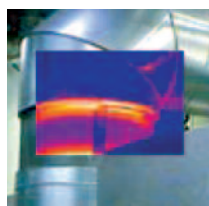
T-Series InfraRed Camera (320 x 240 IR Resolution)

Visible Light Camera with Fusion (PIP), Touch-Screen Display, and Interchangeable Lens

- 0.05°C @ 30°C Thermal Sensitivity
- Bright Video Lamp
- Voice Comment Recording on Images
- Picture-in-Picture Fusion
- 3.5" Touch-Screen LCD Display
- Convenient 120° rotating lens
- Analysis/Reporting Software included
- Auto-Focus
- Delta T - Differential Temperature
- Thumbnail Image Gallery



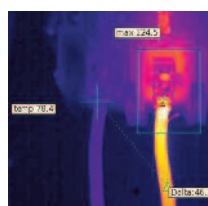
Multifunction Touch Screen



Picture-in-Picture (PIP) Fusion



120° lens rotation

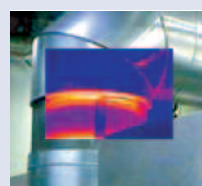
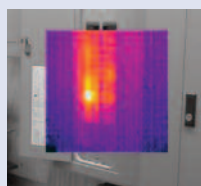


Differential Temperature



FLIR T300 Features

- **High Resolution IR Images** — 76,800 pixels (320 x 240) Infrared resolution
- **Visible Light Digital Camera** — 3.1MP resolution with flash provides sharp images regardless of lighting conditions
- **Fusion Picture in Picture (PIP)** — Displays thermal image super-imposed over a digital image
- **Video Lamp** — Allows the visual camera and fusion to be used in poorly lit environments
- **Wide Temperature Range** — Measures from -4 to 1202°F (-20 to 650°C) targeting electrical and industrial applications
- **± 2% Accuracy** — critical for condition monitoring of thermally sensitive targets
- **Thumbnail Image Gallery** — Allows quick search of stored images
- **Rotating Lens** — Convenient rotating lens detents up to 120° for easy viewing angle
- **Li-Ion Rechargeable Battery** — Replaceable battery lasts >4hrs of continuous use
- **Laser LocatIR™ Pointer** — Pinpoints the hot spot on the IR image with the real physical target
- **Voice Comment Recording** — on images and can be integrated onto report
- **Interchangeable Optics** — Optional 6°, 15°, 45°, 90°, Close up: 100, 50, 25µm, easily attach to the camera body for greater versatility
- **Standard SD Card** — Stores more than 1000 Radiometric JPEG images
- **Includes** — SD Memory Card, Li-Ion rechargeable battery with 100-260V AC adaptor/charger, 2-bay battery charger, QuickReport software, USB Mini-B cable, sun shield, stylus pen & headset, camera lens cap, and transport case



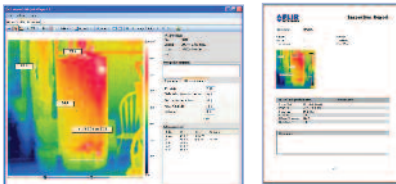
Picture-in-Picture Fusion

Allows for easier identification and interpretation of infrared images. This advanced technology enhances the value of an infrared image by allowing you to overlay it directly over the corresponding visible image. This functionality combines the benefits of both the infrared image and visual picture at the push of a button.



The Difference is Training

Get the most out of your FLIR IR camera investment with world-class instruction through the Infrared Training Center (ITC), the largest infrared applications training organization in the world. The ITC's Level 1 Infrared Thermography Training Course is geared to the new infrared camera user and focuses on its use for a variety of condition monitoring/predictive maintenance applications. Level 2 and Level 3 certificate courses for more advanced infrared training are also available. Courses are taught by certified instructors with extensive experience in a wide variety of infrared thermography and thermal imaging applications. ITC certifications are recognized by major professional organizations.



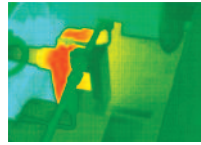
QuickReport™ PC software enables user to analyze Temperature of all thermal pixels of any FLIR Camera JPEG images



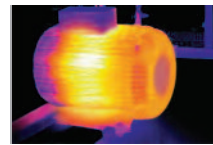
FLIR ThermaTrak™

If your IR camera is lost or stolen, ThermaTrak can help you track where it is.

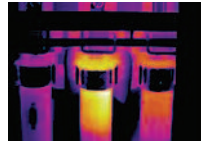
Applications



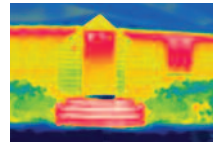
Motor: Bearing Problem



Motor: Internal Winding Problem



Electrical: Hot Fuses



Building: Heat Loss



FLIR T300 Specifications

Features

Temperature range	-4°F to 1202°F (-20°C to 650°C) - Optional to 1200°C
Image Storage	1000 radiometric JPEG images (SD card memory)

Imaging Performance / Image Presentation

Frame Rate	30Hz
Field of view/min focus distance	25° X 19°/1.31ft (0.4m)
Focus	Manual/Automatic
Thermal sensitivity (N.E.T.D)	<0.05°C at 30°C
Detector Type - Focal plane array (FPA) uncooled microbolometer	320 X 240 pixels
Spectral range	7.5 to 13µm
Display	Built-in touch-screen 3.5" color LCD
Image modes	Thermal/Visual/Fusion
Image annotation	Voice (60 sec)
Lens	25° (optional 6°, 15°, 45°, 90°, Close up 100 50, 25µm lenses available)
Video Lamp	Bright LED lamp
Laser Classification/Type	Class 2/Semiconductor AlGaInP Diode Laser: 1mW/635nm (red)
Set-up controls	Mode selector, color palettes, configure info to be shown in image, local adaptation of units, language, date and time formats, and image gallery
Measurement modes	5 Spotmeters, 5 Box areas, Isotherm, Auto hot/cold spot, Delta T
Measurement correction	Reflected ambient temperature & emissivity correction
Battery Type/operating time	Li-Ion/ >4 hours, Display shows battery status
Charging system	In camera AC adapter/2 bay charging system
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Dimensions/Weight	4.2x7.9x4.9" (106x201x125mm)/1.94lbs (0.88kg), including battery
Warranty	2 years

Ordering Information

Part Number

FLIR T300Thermal Imaging InfraRed Camera (320x240)

ACCESSORIES

1196398.....	Li-Ion Rechargeable Battery
1910399.....	AC Adapter Charger (110-240V, U.S. Plug)
1910490.....	Cigarette Lighter Adapter Kit, 12VDC (1.2m cable)
1196474.....	2-Bay Battery Charger including Power Supply (U.S. plug)
T197412.....	Lens 90° with case
1196960.....	Lens Wide Angle 45° with case
1196961.....	Lens Telephoto 15° with case
T197408.....	Lens 6° with case
T197215.....	Close-up Lens (100µm) with case
T197214.....	Close-up Lens (50µm) with case
T197415.....	Close-up Lens (25µm) with case
T197000.....	High Temperature option +1200°C
1124545.....	Camera Pouch

CERTIFICATION TRAINING

3300149.....ITC Level I Certification Training per attendee

Tel: 1.800.464.6372 | Canada: 1.800.613.0507 | www.flir.com/thermography

Specifications and prices subject to change without notice. Rev. 10/7/09-R1

Copyright © 2009 Extech Instruments Corporation (A FLIR Company). All rights reserved including the right of reproduction in whole or in part in any form.

