T-Series InfraRed Camera (320 x 240 IR Resolution)
With on board Visual Camera, Fusion, Touch Screen LCD & Interchangeable Lens

- 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
- 8X Continuous Zoom – Zoom with auto/manual focus
- Rotating Lens – Rotating lens detents up to 120° for easy viewing angle
- Scalable Thermal Fusion – Blending of thermal and digital images in real-time
- Scalable Picture in Picture (PIP) Fusion – Displays thermal image super-imposed over a digital image
- Video Lamp – Allows the visual camera and fusion to be used in poorly lit environments
- High Temperature Range – measuring up to 2192°F (1200°C) targeting electrical and industrial applications
- ± 2% Accuracy – reliable temperature measurement
- Thumbnail Image Gallery – Allows quick search of stored images
- Li-Ion Rechargeable Battery – lasts >4hrs continuous use; replaceable
- Copy to USB – Easy upload of an Instant Report, an image, or a folder from the camera to a USB memory stick

Advanced Panorama Function
This unique function allows you to conveniently piece together normal sized images to create one large image for a wide angle view of the area being measured. The FLIR T400 has an on-screen guide to assist in aligning multi-image captures before using FLIR BuildIR or Reporter Software to create a panorama picture.

FLIR T400 Features

- 0.05°C @ 30°C Thermal Sensitivity
- Bright Video Lamp
- Annotate Images with Voice, Text and Sketch
- Thermal Fusion & Picture-in-Picture
- 3.5" Touch-Screen LCD Display
- Convenient 120° rotating lens
- 8X Continuous Zoom
- Delta T - Differential Temperature
- Instant Report
- Laser LocatIR™ Pointer – Pinpoints a reference spot with a laser and aligns a marker to it on the image
- IR Window Correction – Menu settings allow you to account for transmission loss through IR windows
- Voice Comment Recording – on images & can be integrated onto report
- Wireless Communication – Bluetooth® Transmitter with METERLINK™
- Instant Report – Create a Thermographic Inspection report directly in the camera
- Temperature Screening – Audible alarm sounds when temperature exceeds programmable set point
- Digital Video – Records video to the memory card
- Periodic Image Storage – Stores images every 10 sec up to 24 hrs
- Panorama Mode – On-screen guide to assist in aligning multi-image captures
- Includes – SD Memory Card (stores >1000 Radiometric JPEG images), Li-Ion rechargeable battery with 100-260V AC adaptor/charger, two rechargeable batteries, 2-bay battery charger, QuickReport software, USB Mini-B cable, Bluetooth® USB micro adapter, sun shield, stylus pen & headset, camera lens cap, and hard transport case
- Interchangeable Optics – Optional 6°, 15°, 45°, 90°, Close up: 100, 50, 25μm, easily attach to the camera
Applications

Utility Market — Utilities worldwide use infrared cameras to locate problems or to detect hot spots and other problems before they turn into costly failures and production downtime or dangerous electrical fires.

Electrical Inspections — With FLIR thermal imaging cameras electrical contractors can scan electrical cabinets/panels and components for a non-contact view of conditions.

FLIR T400 Specifications

Features

- Temperature range: -4°F to 2192°F (-20°C 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
- Spectral range: 7.5 to 13μm
- Display: Built-in touch-screen 3.5" color LCD
- Image modes: Thermal/Visual/Fusion/Panorama
- Image annotation: Voice (60 sec); text comments, Sketch, image markers on IR/Visual
- 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 AlGalnP 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-lon/ >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 (Warranty extended to 2 years when the camera is registered)

Ordering Information

Part Number

45301-0202 FLIR T400 Thermal 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)
T197650 2-Bay Battery Charger including Power Supply (multi plugs)
1124545 Camera Pouch Case
T197613 BuildIR Software package
T197717 FLIR Reporter Ver. 8.5 Professional
4114887 FLIR ThermaTrak™

CERTIFICATION TRAINING

ITC LEVEL I ITC Level I Certification Training per attendee

Software Packages

QuickReport® PC software enables users to Organize, Analyze and Create Reports with FLIR Cameras.

FLIR BuildIR Software package specifically designed to carry out advanced analysis of building structures. It is used to analyze images taken with an infrared camera, and create inspection reports based on these images.

FLIR Reporter Ver. 8.5 is a powerful software for creating compelling and professional, fully customized, easy-to-interpret reports in a standard MS Word Document. You can create a report by simply Dragging and Dropping your images on a desktop icon or using the Wizards to guide you step-by-step through the process. The saved document is a ‘live’ report with full access to the analysis tools and temperature measurement data. The reports can be multi-page and include all of your IR inspection data - infrared and visual images, temperature measurements, voice comments and text notes.

FLIR ThermaTrak™

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

*Optional Camera Lenses available. Please refer to the Camera Lens Datasheet.