

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

With on board Visual Camera, Fusion, Touch Screen LCD & Interchangeable Lens

- 0.05°C @ 30°C Thermal Sensitivity
- Bright Video Lamp
- Annotate Images with Voice, Text and Sketch
- Thermal Fusion & Picture-in-Picture



• Convenient 120° rotating lens



• Delta T - Differential Temperature

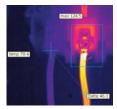
Instant Report







Thermal Fusion



Differential Temperature



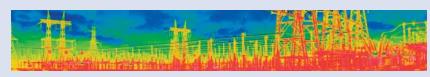
FLIR T400 Features

- **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
- 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-lon Rechargable 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

- Laser LocatlR[™] 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





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 FLIRT400 has an on-screen guide to assist in aligning multi-image captures before using FLIR BuildIR or Reporter Software to create a panorama picture.



METERLINK frees the Thermographer from the manual process of collecting field data



Infrared cameras quickly locate problems with electrical equipment



Collecting current measurements and associating them with the right component identified on an infrared image, can be a complicated and cumbersome process



Manual data collection results in unnecessary complexity and risk. METERLINK eliminates this problem by allowing the thermographer to quickly take a current reading on an electrical target and associate those readings with the corresponding targets stored in an infrared image

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.

Applications







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

reatures	
Temperature range	-4°F to 2192°F (-20°C to 1200°C)
Image Storage	1000 radiometric JPEG images (SD card memory)
Imaging Performance / Image Presen	tation
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	320 x 240 pixels
(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 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-lon/ >4 hours, Display shows battery status
Charging system	In camera AC adapter/2 bay charging system
Shock	25G, IEC 68-2-29

4.2x7.9x4.9" (106x201x125mm)/1.94lbs (0.88kg), including battery

2 years (Warranty extended to 2 years when the camera is registered)

Ordering Information

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Part Number	
45301-0202	FLIR T400 Thermal Imaging InfraRed Camera (320x240)
ACCESSORIES*	
1196398	Li-lon 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	

2G, IEC 68-2-6

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

ITC LEVEL IITC Level I Certification Training per attendee



Vibration
Dimensions/Weight

Warranty