

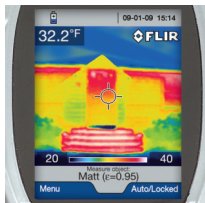
# Compact InfraRed Camera

Easy-to-Use Troubleshooting Tool - Weighs only 12oz

- Compact sized, Lightweight – 12oz
- Thermal Sensitivity of <math><0.1^{\circ}\text{C}</math> @ 25°C
- Easy-to-Use Focus Free Lens
- Stores up to 5000 JPEG Images
- 2.8" LCD Color Display
- Long Battery Life Lasts >5 Hours
- Convenient Thumbnail Image Gallery



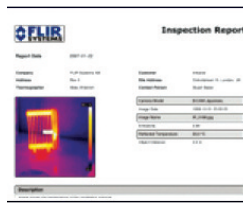
Pocket Sized



Large 2.8" Display



Includes Memory Card

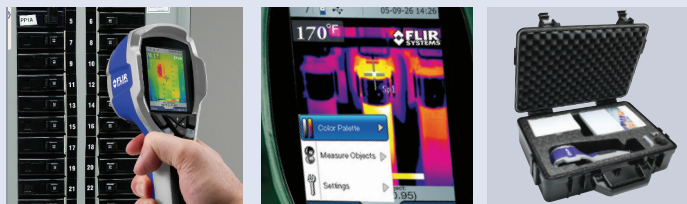


Includes PC software



## FLIR i7 Features

- **High Resolution IR Images** — 14,400 pixels (120 x 120) Infrared resolution
- **Optimized Temperature Range** — From -4 to 482°F (-20 to 250°C) targeting electrical, industrial, and building applications
- **± 2% Accuracy** — reliable temperature measurement with thermal sensitivity of 0.1°C helps you find problems faster and easier — critical for condition monitoring of thermally sensitive targets
- **Extremely lightweight** — Resulting in less user fatigue (12 ounces)
- **Easy-to-use** — Pocket sized and fully automatic design makes it incredibly easy-to-use even for first time users — perfect for general purpose use
- **Focus free lens** — For convenient viewing
- **High Resolution LCD** — 2.8" (71mm) color LCD
- **Double Molded Design** — Rugged design with easy grip handle construction meets IP43 dust/ splashproof standards
- **Measurement Modes** — Spot (center), Area (Min/Max), and Isotherm (above/below) display measurement modes
- **Thumbnail Image Gallery** — Allows quick search of stored images
- **Li-Ion Rechargeable Battery** — lasts >5hrs continuous use; replaceable
- **Large Memory Storage** — MicroSD card stores up to 5000 Radiometric JPEG format images. Each image can be analyzed using the included QuickReport™ PC Software
- **Includes** — 512MB microSD Card, miniSD™ adaptor, Li-Ion rechargeable battery with 100-240V AC adaptor /charger with EU, UK, US and Australian plugs, QuickReport™ software with USB Mini-B cable, built-in manual lens shutter, hand strap, and hard case



### Thermal Imaging Just Got Easier!

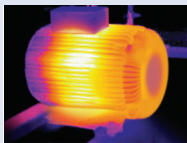
The FLIR i7 thermal imaging infrared camera is an entry-level model that offers 120 x 120 (14,400) pixels of infrared resolution with 2% accuracy and 0.1°C thermal sensitivity - a robust combination of capabilities to quickly detect electrical, mechanical, HVAC and energy-audit-related problems. One-handed operation is unsurpassed for quick and easy menu access and feature selection. It comes complete in a hard carrying transport case.



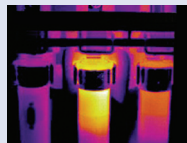
### The Difference is Training

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.

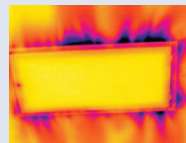
## Applications



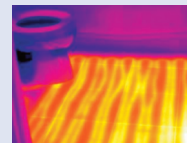
Motor - Internal Winding Problem



Electrical - Hot Fuses



HVAC - Energy Loss



Building Inspection - Radiant Floor

## FLIR i7 Specifications

### Features

Temperature range	-4°F to 482°F (-20°C to 250°C)
Image Storage	5000 Images (microSD card memory)
Emissivity	Emissivity Table; 0.1 to 1.0 adjustable

### Imaging Performance / Image Presentation

Frame Rate	9Hz
Field of view/min focus distance	25° x 25°/0.6m (2 ft.)
Focus	Focus free
Thermal sensitivity (N.E.T.D)	<0.1°C at 25°C
Detector Type - Focal plane array (FPA) uncooled microbolometer	120 x 120 pixels
Spectral range	7.5 to 13µm
Display	Built-in 2.8" color LCD
Image modes	Thermal - Palettes (Iron, Rainbow, and Black/White)
Set-up controls	Date/time, °C/°F, 21 languages
Measurement modes	Spot (with correction for emissivity and reflected temperature), Area (Max/Min), Isotherm (above/below selected temperature interval)
Battery Type/operating time	Li-Ion/ >5 hours, Display shows battery status
Charging system	In camera, AC adapter; 3 hours to 90% capacity
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Dimensions/Weight	8.8x3.1x3.3" (223x79x83mm)/<12oz. (340g), including battery
Warranty	2 years

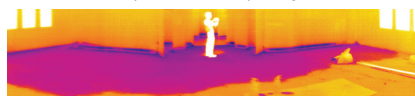
### Software Packages

**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.

**Panorama 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 by using FLIR BuildIR or Reporter Software package



## Ordering Information

### Part Number

**39301-0305** .....FLIR i7 Compact Thermal Imaging InfraRed Camera (120x120)

### ACCESSORIES

**1950986** .....Li-Ion Rechargeable Battery  
**T910711** .....Power Supply Charger (100-240VAC, 5VDC, 6W)  
**T126024** .....Camera Pouch Case  
**T197613** .....BuildIR Software package  
**T197717** .....FLIR Reporter Ver. 8.5 Professional

### CERTIFICATION TRAINING

**3300149** .....ITC Level I Certification Training per attendee  
**T-BSC** .....Certification in Infrared Building Science per attendee (3.5 Day Class)  
**ITC-RESNRG-2** .....Thermal Imaging for Residential Energy Audits Training per attendee (2 Day Class)  
**ITC-RESNRG-4** .....Thermal Imaging for Residential Energy Audits Certification per attendee (4 Day Class)

Tel: 1.800.464.6372 | Canada: 1.800.613.0507 | [www.flir.com/thermography](http://www.flir.com/thermography)

Specifications and prices subject to change without notice. Rev. 02/12/10-R1

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