












# FLIR i7

A small infrared revolution



-  IR resolution: 120x120 pixels
-  Spot, Area and Isotherm Measurement Modes
-  Compact sized, Lightweight: 340g
-  Thermal Sensitivity of <math><0.1^{\circ}\text{C}</math> at 25°C
-  Easy-to-Use Focus Free Lens
-  Stores up to 5000 JPEG Images
-  2.8" LCD Color Display
-  Battery Operating Time: 5 hours
-  Convenient Thumbnail Image Gallery

The FLIR i7 from FLIR Systems, is a small, competent and affordable infrared camera. It is incredible easy to use and requires no former experience. The FLIR i7 features a robust combination of capabilities to quickly detect moisture issues, missing insulation, HVAC leaks and when performing predictive maintenance identifying electrical or mechanical problems.

The FLIR QuickReport™ software in 21 languages makes it easy to create reports of your findings in your computer

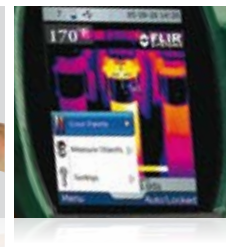
## FLIR i7 Features

- **High accuracy**  
± 2% and thermal sensitivity of 0.1°C helps you find problems faster and easier — critical for condition monitoring of thermally sensitive targets
- **Extremely lightweight (340 g)**  
Resulting in less user fatigue
- **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" 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)
- **Battery Operating Time**  
5 hours continuous operation on a single charge for uninterrupted inspections
- **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 90-260V 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

### Compact Design



### Large 2.8" Display



### Detect hidden problems fast

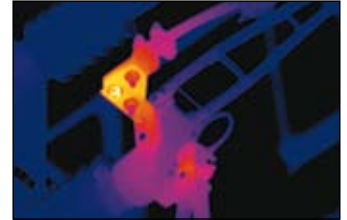
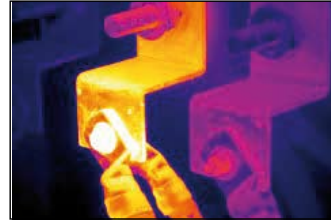
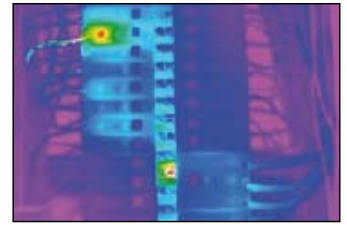
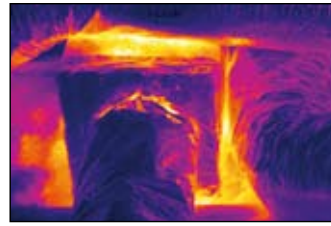


### Includes PC software

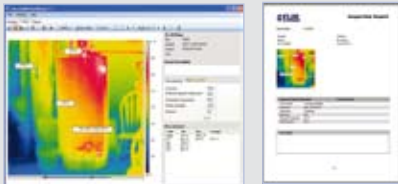


## Application Areas

- **Predictive Maintenance** — Thermal imaging is a valuable tool in predictive maintenance of electrical, mechanical and structural problems and can also be used to verify repairs.
- **Energy Saving** — Energy costs are increasing at a substantially alarming rate. Missing or low quality insulation, inadequate Heating, Ventilation, and Air Conditioning (HVAC) systems, poor air flow — all are typical problems that cause homes to waste energy.



### Software



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

### Accessories

- Power Supply Charger (100-240VAC, 5VDC, 6W)
- Camera Pouch Case with Detachable Shoulder Strap



### Training

FLIR cooperates with Infrared Training Centre, an independent, ISO certified, worldwide training facility. For more info visit

[www.infraredtraining.com](http://www.infraredtraining.com)

## FLIR i7 Technical Specifications

### Features

Temperature range	0°C to 250°C (32°F to 482°F)
Image Storage	5000 Images (microSD card memory)
Emissivity	Emissivity Table; 0.1 to 1.0 adjustable

### Imaging Performance / Image Presentation

Field of view/min focus distance	25° x 25°/0,5 m
Focus	Focus free
Thermal sensitivity (N.E.T.D)	<0.1°C at 25°C
Detector Type	120 X 120 pixels Focal plane array (FPA) uncooled microbolometer
Spectral range	7.5 - 13µm
Display	2.8" color LCD
Image Controls	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	Li-Ion
Battery operating time	5 hours, Display shows battery status
Charging system	In camera, AC adapter; 3 hours to 90% capacity
AC operation	AC adaptor 90-260VAC, 50/60Hz
Adaptor Voltage	5 VDC output to camera
Operating temperature range	0°C to 50°C (32°F to 122°F)
Storage temperature range	-40°C to 70°C (-40°F to 158°F)
Humidity	Operating and storage 20% to 80%, non-condensing, IEC 359
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Dimensions/Weight	223x79x83mm (8.8x3.1x3.3")/<340g (12oz.), including battery

Specifications and prices subject to change without notice.  
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[www.flir.com/thg](http://www.flir.com/thg)