FLIR®

FLIR i7
A small infrared revolution

- *IR resolution: 120x120 pixels*
- *Spot, Area and Isotherm Measurement Modes*
- *Compact sized, Lightweight: 340g*
- *Thermal Sensitivity of <0.1°C 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
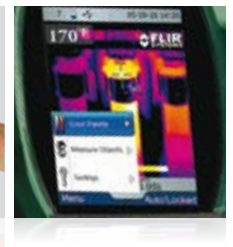
FLIR i7 Features

- **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

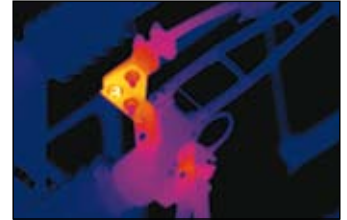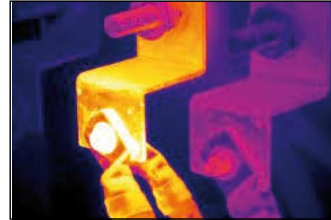**Compact Design**

Large 2.8" Display
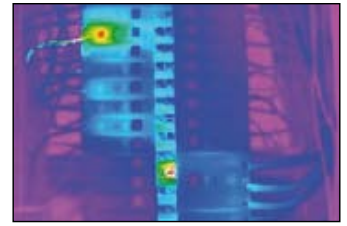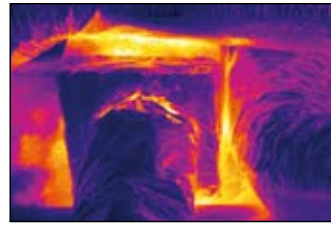
Detect hidden problems fast
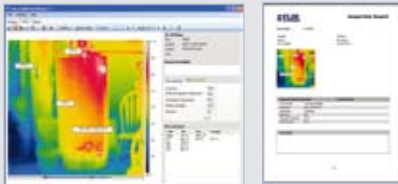
Includes PC software

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

itc INFRARED TRAINING CENTER

Training

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

◆FLIR®

www.flir.com/thg