



FLIR i7

A small infrared revolution



- IR resolution: 120x120 pixels
- Spot, Area and Isotherm Measurement Modes
- Compact sized, Lightweight: 340g
- Thermal Sensitivity: NETD 100 mK
- 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 incredibly 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**
MiniSD card stores up to 5000 Radiometric JPEG format images. Each image can be analyzed using the included QuickReport™ PC Software
- **Includes**
512MB miniSD Card, miniSD-SD™ 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

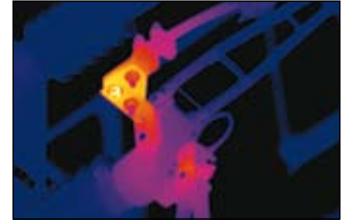
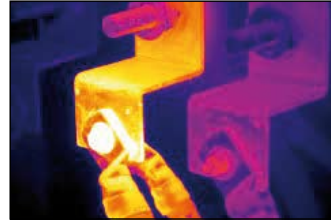
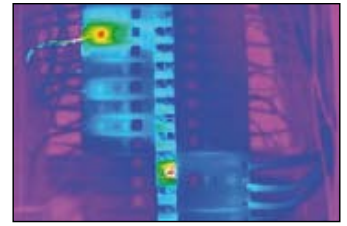
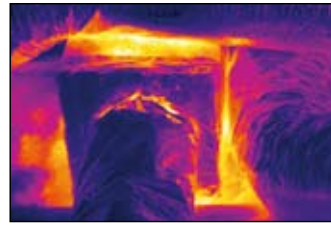


Includes PC software

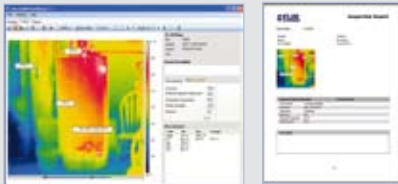


Application Areas

- **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

FLIR i7 Technical Specifications

Features

| | |
|-------------------|---|
| Temperature range | -20°C to +250°C (-4°F to +482°F) |
| Image Storage | 5000 Images (miniSD 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 |