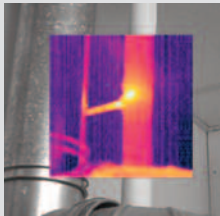


Thermal Imaging InfraRed Cameras

High Resolution Visible Light Cameras with Fusion (PIP)



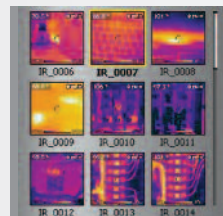
Fusion - Picture in Picture



Built-in Laser Pointer



Built-in Illuminator Lights



Thumbnail Image Gallery



i-Series Features

- *Latest Infrared Detector Technology*
- *Fusion Picture in Picture (PIP)*
- *Bright LED Lamps for Quality Visible Images*
- *Thermal Sensitivity of <math><0.1^{\circ}\text{C}</math> @ 25°C*
- **Visible Light Digital Camera** — Up to 2.3MP resolution with LED lamps provides sharp images regardless of lighting conditions
- **Fusion Picture in Picture (PIP)** — Displays thermal image super-imposed over a digital image
- **0.1°C Thermal Sensitivity** — Provides the resolution needed to find problems faster and easier
- **Wide Temperature Range** — Measures from -4 to 662°F (-20 to 350°C) targeting electrical and industrial applications
- **Thumbnail Image Gallery** — Allows quick search of stored images
- **Laser LocatIR™ Pointer** — Pinpoints the hot spot on the IR image with the real physical target (FLIR i50 and i60 only)
- **Radiometric JPEG Images** — Patented technology used to save images in standard JPEG format for easy e-mailing and analysis using QuickReport™ PC Software (included)
- **1GB microSD Card** — Stores more than 1000 Radiometric JPEG images
- **Li-Ion Rechargeable Battery** — Replaceable battery lasts for 5hrs of continuous use
- **Area (Min/Max) Mode** — Spot marker shows the Minimum or the Maximum Temperature reading within the selected area
- **Includes** — 1GB micro SD Card, miniSD adaptor, Li-Ion rechargeable battery, power supply, QuickReport™ software, USB cable, lens cap, hand strap, and heavy duty case
- *Lightweight — Weighs only 1.3lbs*
- *Easy One-handed Operation*
- *3.5" LCD with Razor Sharp Resolution*
- *Convenient Thumbnail Image Gallery*

FLIR i40 Additional Features

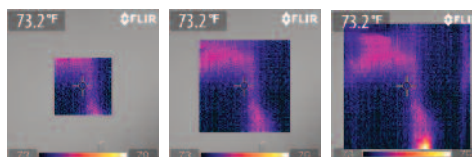
- 0.6MP Visible Light Camera resolution
- Picture in Picture (PIP) fixed
- 14,400 pixels (120 x 120)

FLIR i50 Additional Features

- 2.3MP Visible Light Camera resolution
- Picture in Picture (PIP) with 3 fixed steps
- 19,600 pixels (140 x 140)
- Built-in Laser LocatIR™ pointer

FLIR i60 Additional Features

- 2.3MP Visible Light Camera resolution
- Scalable Picture in Picture (PIP) feature (see right illustration)
- 32,400 pixels (180 x 180)
- Built-in Laser LocatIR™ pointer
- Laser Marker Function
- Auto Hot/Cold spot marker function shows a spot within the area that automatically finds the hottest or coldest spot within the box

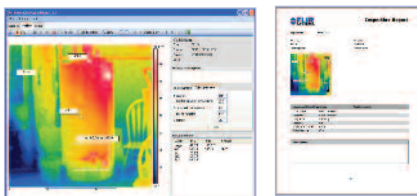


FLIR i60 — Scalable Fusion picture in picture feature permits you to resize the thermal image as needed on a large 3.5" color display



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.



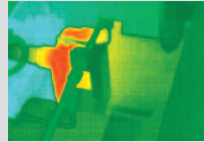
QuickReport™ PC software enables user to analyze Temperature of all thermal pixels of any FLIR Camera JPEG images



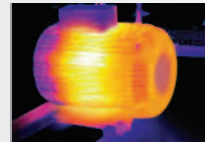
Tel: 1.800.464.6372
 CANADA: 1.800.613.0507
 www.goinfrared.com

Specifications and prices subject to change without notice. Rev. 8/28/08-R1
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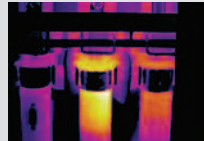
Applications



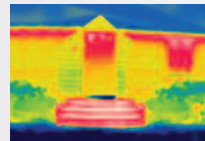
Motor: Bearing Problem



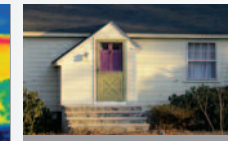
Motor: Internal Winding Problem



Electrical: Hot Fuses



Building: Heat Loss



FLIR i-Series Specifications

| Features | FLIR i40 | FLIR i50 | FLIR i60 |
|---|---|---|--|
| Temperature range | -4°F to 662°F (-20°C to 350°C) | -4°F to 662°F (-20°C to 350°C) | -4°F to 662°F (-20°C to 350°C) |
| Temperature accuracy | ±2°C or ±2% of reading | ±2°C or ±2% of reading | ±2°C or ±2% of reading |
| Image Storage (1GB micro SD card) | 1000 Images | 1000 Images | 1000 Images |
| Emissivity Table | 0.1 to 1.0 (adjustable) | 0.1 to 1.0 (adjustable) | 0.1 to 1.0 (adjustable) |
| Imaging Performance / Image Presentation | | | |
| Field of view/min focus distance | 25° X 25°/0.10m (3.9") | 25° X 25°/0.10m (3.9") | 25° X 25°/0.10m (3.9") |
| Thermal sensitivity (N.E.T.D) | <0.1°C at 25°C | <0.1°C at 25°C | <0.1°C at 25°C |
| Detector Type - Focal plane array (FPA) uncooled microbolometer | 14,400 pixels (120 X 120) | 19,600 pixels (140 X 140) | 32,400 pixels (180 x 180) |
| Spectral range | 7.5 to 13µm | 7.5 to 13µm | 7.5 to 13µm |
| Display | 3.5" color LCD | 3.5" color LCD | 3.5" color LCD |
| Video output | MPEG-4 via USB | MPEG-4 via USB | MPEG-4 via USB |
| Image Modes | Thermal, Visual, Fusion | Thermal, Visual, Fusion | Thermal, Visual, Fusion |
| Fusion Picture in Picture (PIP) | Fixed | 3 fixed steps | Scalable |
| Visible Light Camera Resolution | 0.6 Megapixels | 2.3 Megapixels | 2.3 Megapixels |
| Laser / Classification | — | Yes / Class 2 | Yes / Class 2 |
| Laser Type | — | Semiconductor AlGaInP Diode Laser: 1mW/635nm | Semiconductor AlGaInP Diode Laser: 1mW/635nm On IR image |
| Laser Marker Function | — | — | — |
| Spot (center) Measurement mode | Yes | Yes | Yes |
| Auto Hot/Cold Spot Marker | — | — | Yes |
| Area (min/max) Measurement mode | Yes | Yes | Yes |
| Image Controls (All models) | Palettes (Iron, Rainbow, and Black/White), level, span, auto adjust (continuous/manual) | | |
| Focus | Manual | Manual | Manual |
| Set-up controls (All models) | Date/time, info, LCD intensity, power down, and 21 languages | | |
| Battery Type/operating time | Li-Ion/ 5 hours, Display shows battery status | | |
| Dimensions/Weight | 9.3x3.2x6.9" (235x81x175mm)/<1.32lbs (600g), including battery | | |

Ordering Information

| Part Number | Product Description |
|-------------------------------|---|
| FLIR i40 | Thermal Imaging InfraRed Camera |
| FLIR i50 | Thermal Imaging InfraRed Camera with Laser |
| FLIR i60 | Thermal Imaging InfraRed Camera with Laser and scalable PIP |
| ACCESSORIES | |
| 1196398 | Li-Ion Rechargeable Battery |
| 1910399 | AC Adapter Charger (110-240V, U.S. Plug) |
| 1910490 | Cigarette Lighter Adapter Kit, 12VDC (1.2m cable) |
| 1196474 | 2-Bay Battery Charger including Power Supply (U.S. plug) |
| 1122000 | Camera Pouch Case |
| CERTIFICATION TRAINING | |
| 3300149 | ITC Level 1 Certification Training per attendee |

