



MUCH MORE

Fully featured with visual camera, analyzing functions and Picture-in-Picture

The new FLIR i50 is the latest product innovation from FLIR for spotting electrical problems, identifying mechanical issues, predictive maintenance and energy preservation. At only 600g it is so small and lightweight you can carry it with you anytime. At the same time it is packed with features like visual camera, Picture-in-Picture and many other analyzing functions.

Infrared shows what the human eye can't see

Anyone who is responsible for identifying electrical or mechanical problems or conditions will benefit from an infrared camera. An infrared camera produces non-contact temperature measurements as infrared pictures and will greatly help by increasing quality, saving costs and speeding up your work. With the visual camera and the reporting software included in the camera package it is easy to create reports, analyze and document your findings.

140x140: High resolution and accuracy

For high quality infrared images, it largely comes down to detector size. Every additional pixel means more valuable temperature information to isolate problem areas. The FLIR i50 offers outstanding picture quality for your money. For industrial plant managers, electrical contractors, and building inspectors alike, more infrared resolution means simplified imaging research and higher quality findings.

Document your findings with high resolution visual images

An infrared camera's FUSION capability is only as good as its integrated visual camera. When you're presenting a report with superimposed images, a poor quality visual image can actually obscure your findings which may mean additional follow-up readings. The FLIR i50 Laser LocatIR easily and safely identifies your target while the visual camera captures detail-rich reference images with class-leading 2.3 megapixel resolution. For extreme ease of use the FLIR i50 offers an easy-to-access thumbnail gallery which helps you to quickly review and find your images.

Save time and money in 3 steps:



Exclusive FUSION Picture-in-Picture:

Fuse the Visible with the Invisible for Unparalleled Perspective. The FLIR i50 FUSION Picture-in-Picture (PIP) takes infrared thermography to a new level by overlaying the rich detail of an infrared image over a hi-res visible light image in real-time, making it easier to identify critical problems more quickly and accurately.

Exclusive, Built-in Illuminator Lamp Sheds Light on Poorly Lit Sites

Merging visual and infrared images is a great tool but if you're working in low light areas, such as electrical cabinets or storage areas, the quality of the reference visual image will suffer, diminishing your ability to identify and demonstrate problem areas effectively. The FLIR i50 is the only infrared camera in its class with a built-in illuminator lamp that ensures quality visual images regardless of job site lighting levels.

Lightweight Design, Heavyweight Performer

FLIR i50 cameras weigh only 600g, while delivering more advanced functionality than comparable models twice that weight. Not only is it lightweight and easy to store in a belt pouch, its ergonomic grip design and intuitive navigation pad make one-handed "point-shoot-detect" operation easier for all-day use. With a 5-hour battery life, its easy-to-replace Lithium Ion batteries will keep up with your demanding schedule.

Perform safety inspections



Preventive inspection of exhaust pipes of a gas turbine installation.

Avoid unplanned shutdowns



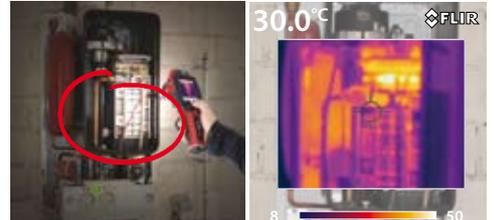
Inspecting the transformer using the Fusion Picture-in-Picture function.

Verify repairs



Mechanical check-up of an electrical motor using the FLIR i50.

Evaluate new installations



Failure of a domestic gas boiler installation displayed using the PIP function. The FLIR i50 is the only IR camera in its class with built-in illuminating lights ensuring quality visual images regardless of the on site conditions.



Lightweight design, heavyweight performer

Fully featured with visual camera, analyzing functions and Picture-in-Picture



-  140 x 140 pixels
-  Small and lightweight
-  2.3 Megapixel (1536 x 1536) Visible Light Camera makes observing and inspecting faster and easier
-  Fusion Picture-in-Picture enables you to see an infrared image super-imposed in a visible image
-  Built-in laser pointer increases accuracy by guiding you to the hot spot on the object
-  Built-in illuminator lights help you to do inspections in low light areas
-  Thumbnail gallery shows you a complete overview of your findings
-  The FLIR i50 is splash and dust proof (IP54) for performing in the most difficult conditions and places
-  Display measurement modes include spot (centre) and area (Min/Max)
-  Long Life Battery lasts for 5 hrs of operating time

Package:

Flir i50: Complete package with 1GB micro SD Card, SD Card adapter, Li-Ion rechargeable battery, power supply, battery charger, QuickReport software with USB cable, lens cap, hand strap, rugged hard case, user documentation CD and printed getting started guide

Ordering Information:

FLIR i50 Thermal imaging infrared camera

Accessories (optional)

Pouch, Li-ion rechargeable battery, AC adapter charger (220-240v), Cigarette lighter adapter kit, 12vdc (1.2m cable), 2-Bay battery charger including power supply and ITC level I certification training

Technical specifications

Size		Image Modes	IR image, visual image, Picture-in-Picture, thumbnail gallery
Dimensions/Weight	235 x 81 x 175mm / <600g, including battery	Visible Light Camera Resolution	2.3 Megapixels (1536 x 1536)
Features		Image Controls	Palettes (Iron, Rainbow, and Black/White), level, span, auto adjust (continuous/manual)
Temperature range	-20°C to 120°C 0°C to 350°C	Set-up controls	Date/time, info, LCD intensity, power down, and 21 languages
Image Storage	more than 1000 Images (1GB micro SD memory card)	Laser Classification	Class 2
Accuracy	±2°C (±3.6°F) or ± 2% of reading	Laser Type	Semiconductor AlGaInP Diode Laser (red)
Measurement corrections	Emissivity (variable from 0.1 to 1.0 or selected from list of materials), reflected apparent temperature	Power Source / Environmental Specs	
Imaging Performance / Image Presentation		Battery Type	Li-Ion field replaceable and rechargeable
Field of view/min focus distance	25° x 25°/0.12m	Battery operating time	5 hours. Display shows battery status
Thermal sensitivity (N.E.T.D)	<0.1°C at 25°C	Charging system	In camera, AC adapter or 12V from car with optional 12V cable
Detector Type	Focal plane array (FPA) uncooled microbolometer	AC operation	AC adapter 90-260VAC, 50/60Hz 12VDC out
Infrared resolution	140 x 140 pixels	Operating temperature range	-15°C to 50°C
Spectral range	7.5 to 13µm	Storage temperature range	-40°C to 70°C
Display	3.5" colour LCD	Humidity	24hrs, 95% RH, (25°C to 40°C), IEC 60068-2-30
Video output	MPEG-4 via USB	Bump	25G,IEC 68-2-29
		Vibration	2G,IEC 68-2-6

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FLIR Systems AB

World Wide Thermography Center
Rinkebyvägen 19 - PO Box 3
SE-182 11 Danderyd
Sweden
Tel.: +46 (0)8 753 25 00
Fax: +46 (0)8 755 07 52
e-mail: sales@flir.se

FLIR Systems France

France
Tel.: +33 (0)1 41 33 97 97
e-mail: info@flir.fr

FLIR Systems GmbH

Germany
Tel.: +49 (0)69 95 00 900
e-mail: info@flir.de

FLIR Systems Ltd.

United Kingdom
Tel.: +44 (0)1732 220 011
e-mail: sales@flir.uk.com

FLIR Systems S.r.l.

Italy
Tel.: +39 02 99 45 10 01
e-mail: info@flir.it

FLIR Systems AB

Belgium
Tel.: +32 (0)3 287 87 10
e-mail: info@flir.be

www.flir.com

FLIR: An infrared pioneer

For over 40 years, FLIR technology has set the standard in the infrared thermal imaging industry. It's our core business. When you choose a FLIR, you are not only buying an infrared camera, you are accessing the industry's best technical support and customer service.