

# Stop guessing - Start seeing



FLIR compact camera range for electrical applications

The smallest, lightest & most robust infrared cameras around



THE GLOBAL LEADER IN INFRARED CAMERAS

Save time and money in 3 steps:



## Infrared shows what the human eye can't see

Infrared radiation (IR) is emitted by every object above a temperature of -273°C. Although the human eye cannot detect infrared radiation, an infrared camera can, and takes pictures of objects to show the amount of heat they are emitting. Such pictures consist of a colour palette that show surface temperatures of the object. Infrared cameras are thus invaluable diagnostic tools in a variety of industries, as they can detect abnormally hot or cold areas of components. In other words, you can detect problems that are not normally visible with the naked eye.

## The benefits of infrared

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 reporting software included in the camera package it is easy to create reports, analyze and document your findings.



### Avoid unplanned shutdowns



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

### Verify repairs



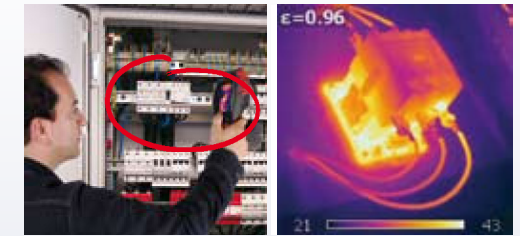
Mechanical check-up of an electrical motor using the FLIR i60.

### Identify energy loss and HVAC inefficiencies



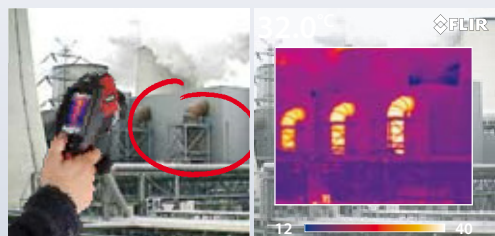
Check-up of an airconditioning installation quick and easy.

### Perform preventive inspections



Detecting problems in electrical installations avoids breakdowns.

### Perform safety inspections



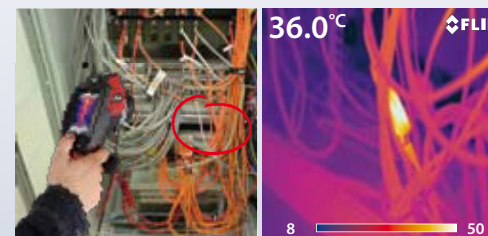
Preventive inspection of exhaust pipes of a gas turbine installation.

### Evaluate new installations



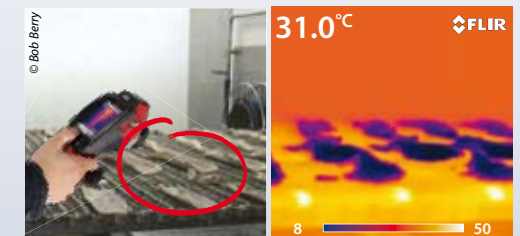
Failure of a domestic gas boiler installation displayed using the PiP function. The FLIR i-Series are the only IR cameras in its class with built in LED lights ensuring quality visual images regardless of the on site conditions.

### Assess damage



Detection of a bad cable connection that caused problems in a server room.

### Inspect production equipment



Preventive inspection of the bacon cooking production line.

## FLIR : High performance Infrared technology for everyone

FLIR is the global market leader in infrared cameras and offers the widest selection of award winning, innovative infrared cameras. For complete beginners to professionals, all depending on individual requirement and budget. Our cameras are used worldwide in a variety of applications to keep plants running, buildings safe and assets protected. In the building compact infrared camera range we have used 40 years of highly advanced technology and adapted this to day to day user needs in building inspections.

Our aim is to enable everyone to use an infrared camera and the result is that we now offer cameras for all different work situations and even for very limited budgets. A FLIR camera is renowned for being robust, extremely small and lightweight, very easy to use and packed with innovative features for all-round benefits. All produced in Europe.

## Key features for the FLIR compact camera range

### Small & Lightweight:

FLIR compact cameras weigh less than any other cameras while delivering very advanced functionality. Our lightest camera weighs only 340g which makes it easy to carry and store in a belt pouch. The weight and design makes a one hand operation possible – just point-shoot-detect.

### Ease of use:

Even if you are a complete beginner a FLIR camera should be no problem to understand and operate. The cameras are intuitive to use and come with a full manual. For further support we offer an on-line FLIR customer help desk as well as a full menu of ITC training courses.

### Renowned picture quality:

All our cameras have a combination of detector size, camera sensitivity and accuracy for very high and reliable picture quality.

### Robust functionality:

Despite the compact design FLIR cameras offer world leading functionality. Every camera is adapted for its typical application to offer the features that makes the job easier. All our cameras meet IP54 dust/splashproof standard and are robust enough to survive even hard and rugged conditions.

### Small prices:

We offer infrared cameras from € 2490\* which means the pay back time for an infrared camera is now very moderate. In addition we have leasing options and rental deals.

### Service:







At FLIR we offer local service in all major countries, which cuts down the maintenance time considerably. For maximum security we also provide maintenance contracts to maximize performance and prolong the lifespan of your infrared camera.

## Grow with the smallest, lightest and most compact infrared camera range around!

The smallest and lightest infrared camera on the market

Lightweight design, heavyweight performer

### FLIR i5

-  Fully automatic
-  Small and lightweight
-  2,8" LCD screen
-  5 hours battery life
-  ± 2% accuracy
-  Affordable RRP: € 2490\*



only 340g








80 x 80 pixels

Entry-level model

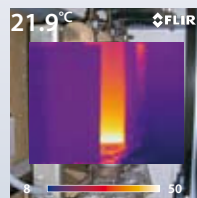
### FLIR i40



-  100 mK thermal sensitivity
-  120 x 120 pixels IR resolution
-  0.6 megapixel digital camera
-  Fixed Fusion Picture-in-Picture
-  Built-in LED lights
-  > 5 h battery life (field replaceable)










only 600g



120 x 120 pixels

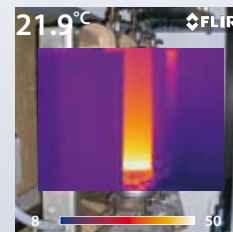
Entry-level model with more features

### FLIR i50

-  100 mK thermal sensitivity
-  140 x 140 pixels IR resolution
-  2.3 megapixel digital camera
-  Fusion Picture-in-Picture (3 step)
-  Built-in LED lights
-  Laser Pointer
-  > 5 h battery life (field replaceable)



only 600g










140 x 140 pixels

Improved resolution and feature set

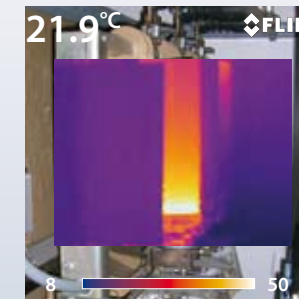
### FLIR i60



-  100 mK thermal sensitivity
-  180 x 180 pixels IR resolution
-  2.3 megapixel digital camera
-  Fusion Picture-in-Picture (scalable)
-  Built-in LED lights
-  Laser Pointer
-  Laser Locator
-  > 5 h battery life (field replaceable)



only 600g









180 x 180 pixels

Excellent resolution and feature set

# FLIR i60

Lightweight design, heavyweight performer

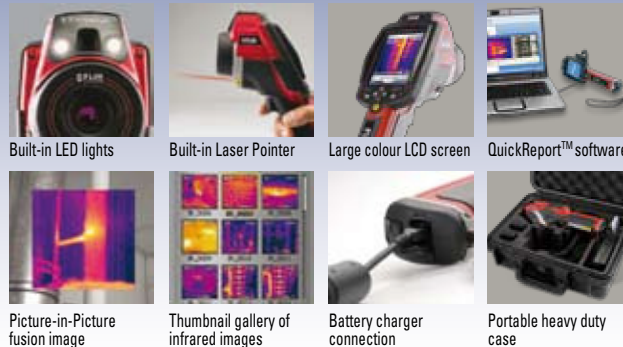
## Fully featured with visual camera, analyzing functions and Picture-in-Picture

-  180 x 180 pixels
-  Small and lightweight
-  2.3 Megapixel (1536 x 1536) digital Camera makes observing and inspecting faster and easier
-  Scalable 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 anomalies on the object
-  Built-in Laser Locator pinpoints the hot spot on the IR image with the real physical target
-  Built-in LED lights help you to do inspections in low light areas
-  Thumbnail gallery shows you a complete overview of your findings
-  High accuracy of  $\pm 2\%$  and thermal sensitivity better than  $0.1^{\circ}\text{C}$
-  Display measurement modes include spot (centre) and isotherm (Min/Max)
-  Long life field replaceable battery lasts for 5 hrs of operating time



## Accessories (optional)

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



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.

Register your FLIR i-Series camera at [http://flir.custhelp.com/app/fl\\_register](http://flir.custhelp.com/app/fl_register) to extend the standard 1 year warranty to 2 years - FREE.

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