

NEW!  
FLIR i-Series Point-and-Shoot  
Thermal Imaging Cameras



Now More Powerful and More Rugged  
Still the Most Affordable  
Compact and Easy to Use  
Quality Thermal Images and Data



# The New FLIR i-Series Compact Thermal Cameras for Building Diagnostics & Predictive Maintenance

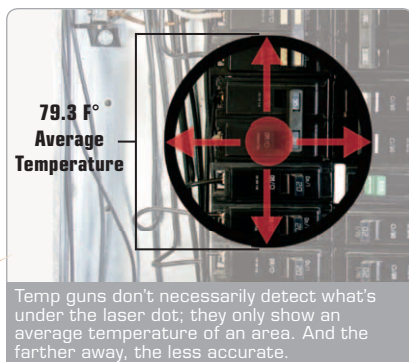
The most affordable point-and-shoot infrared cameras just got better, featuring:

- Higher resolutions for more detailed images and measurements
- Wider fields of view for quicker scans of larger areas
- And a more rugged design for tough environments

Get more with the all new FLIR i-Series – putting high-quality, cost-effective thermal imaging in the hands of those who need it most.

Now energy auditors, building inspectors, electrical contractors, predictive maintenance specialists, HVAC professionals, insulation experts, restoration contractors, and many more can have fast, accurate, easy-to-use thermal imaging every day.

Still looking  
for problems  
one spot at  
a time?

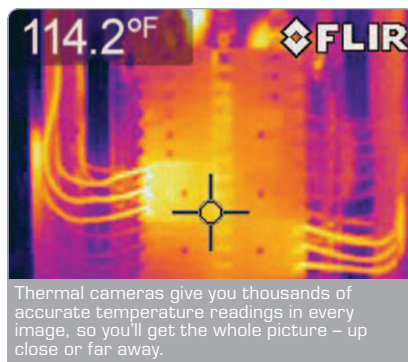


**There's no reason to keep using outmoded technology to solve the modern-day problems you deal with daily.**

IR thermometers (a.k.a. temperature guns) may seem inexpensive and simple, but they only read one average spot measurement at a time, making them painstakingly slow when scanning multiple targets and large areas.

Thermal cameras like i-Series, on the other hand, let you see the whole picture instantly. And they capture thousands of temperature measurements in every image, even from a distance, making them safer to use especially when diagnosing electrical problems on energized equipment.

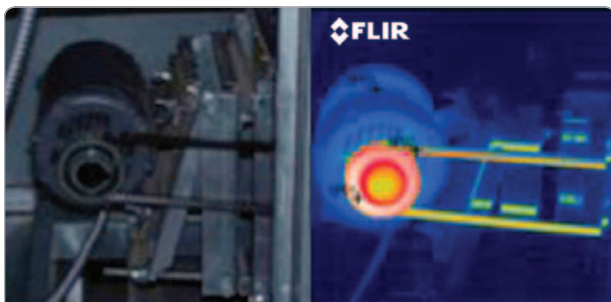
Whether you're just getting into thermal imaging, or are so convinced of its effectiveness that you want to outfit everyone on your crew with an infrared camera, the new FLIR i-Series is the answer.



Instead, see the  
whole picture  
instantly with  
i-Series!

# See What You've Been Missing!

Only FLIR offers a complete line of thermal imagers to cover a fast-growing range of applications.



Misaligned Belts

## Predictive Maintenance

Discover overheated bearings, linkages, and other components before they can interrupt your operations or create safety hazards.



Hot Spot in an Electrical Panel

## Electrical Troubleshooting

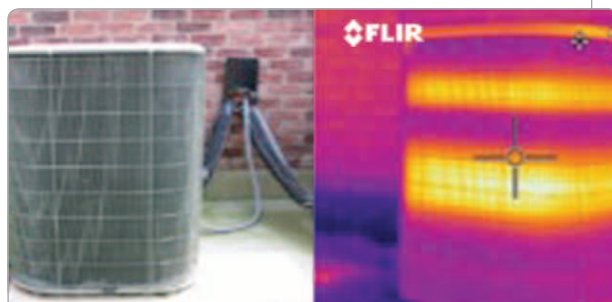
Finding hidden electrical problems is easy with a FLIR camera, enabling you to make timely, efficient repairs.



Blue Indicates Cold Air

## Energy Loss

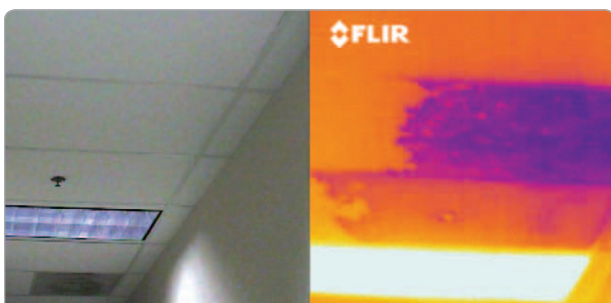
Find areas with missing or damaged insulation quickly by detecting the temperature differences compared to surrounding areas.



Blocked AC Coil

## HVAC Issues

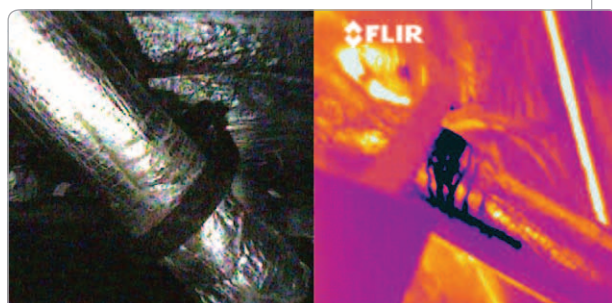
Detect problems with air conditioners and heaters, and troubleshoot radiant flooring components to maximize energy efficiency.



Water Damage in Ceiling

## Building Diagnostics

Small areas of moisture can be easy to spot. Locate and repair hidden water damage before small problems become big, expensive ones.



Duct Condensation Leak

## Duct and Pipe Problems

Quickly locate heating and cooling duct leaks as well as clogged plumbing to prevent energy waste and potential damage.



## The New FLIR i-Series

More powerful than ever, i-Series improves your options with a strong line-up of fresh choices to fit the level of detail your application requires. Featuring the new FLIR i7, now with 36% higher thermal resolution than before and a wider field of view to help you image more clearly, scan more quickly, and store an entire scene in one complete picture.



Large LCD Display\*

### Three Best-in-Class Imagers:

- **i3** – 3,600 pixels  
Ground-breaking affordability!
- **i5** – 10,000 pixels  
Fast and accurate.
- **i7** – 19,600 pixels  
Exceeds RESNET resolution standards.

### All i-Series Cameras Offer:

- **Excellent Screen Size and Quality** – High-resolution color 2.8" LCD display helps you find problems fast.
- **Accurate Results** – FLIR's outstanding thermal accuracy ( $\pm 2\%$  or  $2^{\circ}\text{C}$ ) and broad measurement range ( $-20^{\circ}\text{C}$  to  $250^{\circ}\text{C}$ ) give you results you can count on.
- **Rugged, Compact Design** – Easy to use, one-handed operation with a focus-free lens; tough enough to withstand a two meter drop and stow with the rest of your tools
- **Fully Radiometric Images** – Store up to 5,000 JPEG image files with all your temperature measurements right in the camera for future analysis, downloads, and custom reports.
- **Plenty of Extras** – Includes PC reporting software, plenty of memory with a 2 GB microSD card, and comes complete with a hard carrying case.
- **Unmatched Warranty** – FLIR's exclusive Double Diamond warranty covers the whole camera for 2 years, the battery for 5 years, and the detector for 10 full years. No one but FLIR can offer peace of mind like this because no one but FLIR builds their own detectors.

SD Card for Image Storage



Reporting Software Included



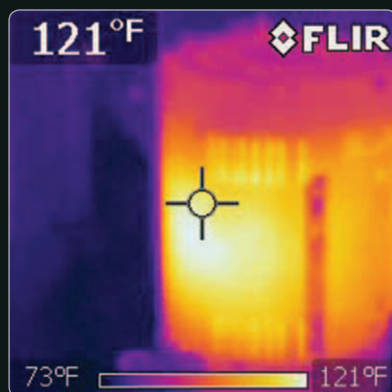
Visit [www.flir.com](http://www.flir.com), or call 866.477.3687

\*The thermal images shown are for illustrative purposes only, and may not have been taken by the camera series depicted.

## Which i-Series Camera is Right for You?

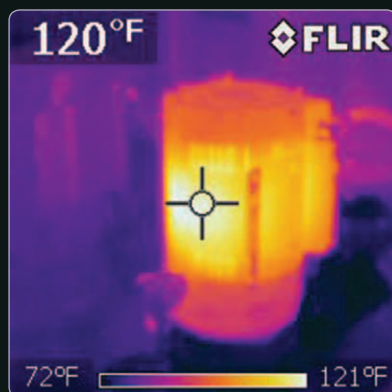
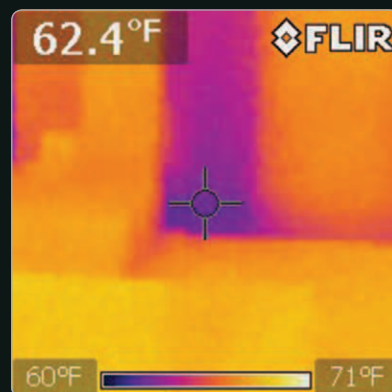
Maybe you're simply looking to replace your old IR thermometer with a serious thermal imaging tool that can show you so much more and collect reliable temperature data. Or perhaps you need a thermal camera that meets RESNET resolution standards and gives you a wider view for scanning larger areas in finer detail. Whatever your inspections call for, i-Series offers a very practical solution.

Pump motor from 6 feet.



**i3**  
60 x 60 (3,600 Pixels)  
12.5° x 12.5° FOV

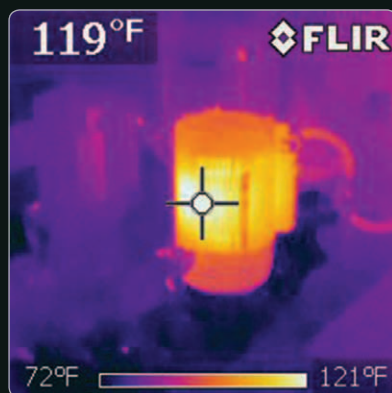
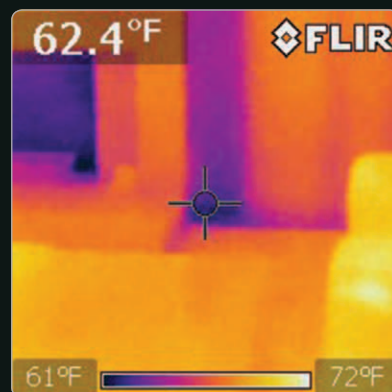
Missing insulation from 15 feet.



Wider Field of View



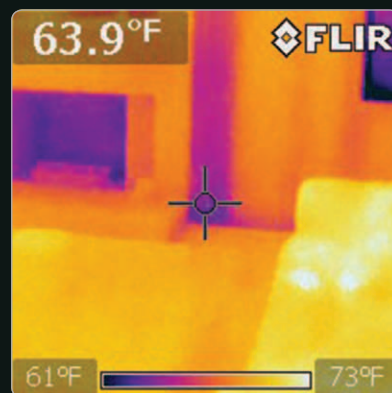
**i5**  
100 x 100 (10,000 Pixels)  
21° x 21° FOV



Widest Field of View



**i7**  
140 x 140 (19,600 Pixels)  
29° x 29° FOV





## Imaging Specifications

Specifications			
Model Number	i3	i5	i7
Imaging			
Resolution	60 x 60	100 x 100	140 x 140
Total Pixels	3,600	10,000	19,600
Thermal Sensitivity	<0.15°C	<0.1°C	<0.1°C
Accuracy	+/-2% or 2°C		
Temperature Range	-4°F to 482° F (-20°C to 250°C)		
Field of View	12.5° x 12.5°	21° x 21°	29° x 29°
Focus	Focus Free		
Detector	Uncooled Microbolometer		
Screen	2.8" Color LCD		
Frame Rate	9 Hz		
Emissivity	0.1 to 1.0 Adjustable		
Analysis			
Thermal Palettes	Iron, Rainbow, Gray		
Measurement Modes	Spot (center)	Spot (center)	Spot (center); Area (min. & max.); Isotherm (above/below)
File Storage			
File Type	Radiometric JPG (>5,000)		
Other			
Battery Type/Op Time	Li-Ion / >5 hrs		
Charging System	In-Camera Charger with AC Adapter; 3 hrs to 90% capacity		
Reporting Software	FLIR Tools		
Dimensions/Weight	8.8" x 3.1" x 3.4" (223 x 79 x 85 mm) / 12.8 oz (365 g)		
Drop	2 meter (6.6 feet)		
Shock	25 g, IEC 60068-2-29		
Vibration	2 g, IEC 60068-2-6		
Warranty	2-Year Parts & Labor, 5-Year Battery, 10-Year Detector		

## 2-5-10 Warranty from FLIR

FLIR i-Series cameras are covered by our revolutionary 2-5-10 Warranty when registered within 60 days of purchase (see details at [FLIR.com](http://FLIR.com)).

**2 Years parts and labor on the camera**

**5 Years coverage on the battery**

**10 Years protection on the detector**

Only FLIR can give you peace of mind with a warranty program like this, because only FLIR makes all of the camera's critical components from the ground up.



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# Best-in-Class Performance and Ground-Breaking Affordability at Every Level

**No other company offers more thermal imaging camera options than FLIR.** Whether you're new to the infrared business, adding more horsepower to your existing program, or looking for the highest thermal resolution in our product line, we have the right solution to meet your needs, budget, and the way you like to work.



## Point-and-Shoot Cameras

### i-Series: Perfect for Every Toolbox

FLIR Compact Point-and-Shoot i-Series cameras are the most cost-effective choice for getting your new infrared program off to a strong start or arming everyone on your team with the power of thermal imaging. i-Series cameras provide great thermal images and valuable temperature data to help find wasteful energy loss, locate moisture damage, document repairs, detect electrical problems, minimize downtime, and more. Much easier, faster, and safer to use than IR thermometers, and far more accurate, FLIR Compact Point-and-Shoot cameras are the ideal temp gun replacement for your tool box.

## Performance Cameras

### E-Series: A Revolution in Point-and-Shoot Performance

Find problems faster, work smarter and grow your business with the exceptional power of E-Series. Choose from eight E-Series models to customize the right fit for your building diagnostics or predictive maintenance program. With superior resolution, an intuitive touchscreen, 60 Hz real-time frame rate, FLIR Wi-Fi apps for importing, analyzing, and sharing images via mobile devices, and its other rich features, FLIR E-Series puts top performance right in the palm of your hand.



## High-Performance Cameras

### T-Series & P-Series: The Best in Speed, Accuracy and Flexibility

Efficiency, crisp image detail and precise temperature measurements are essential for experienced thermographers performing critical IR inspections on a challenging predictive maintenance schedule. Only FLIR offers a full range of high-performance camera solutions to meet those demands. Choose the T-Series with its renowned ergonomics, new 640 x 480 options, touchscreen tools, and Wi-Fi mobile device connectivity. Or the reliable, 640-resolution P-Series with its interchangeable lenses, bright viewfinder and large swing-out LCD display.





## Infrared Training Center

Get the most out of your FLIR investment, increase your value, and advance your career with world-class instruction through ITC. Attend certification courses at our main campus, sign up for sessions in your region, or get easy access to web-based training online. An ITC certificate is written proof of expertise in operating your camera and interpreting the thermal information it provides.

**For full course descriptions, the latest schedules, and additional information, visit [www.infraredtraining.com](http://www.infraredtraining.com) or call 1.866.872.4647.**



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NASDAQ: FLIR

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