

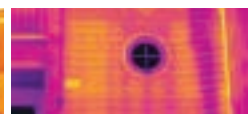
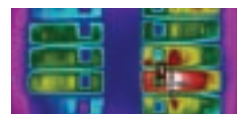
## Start Seeing the World In Infrared

NOW  
WITH



**TRIPLEFUSION**<sup>™</sup>  
technology

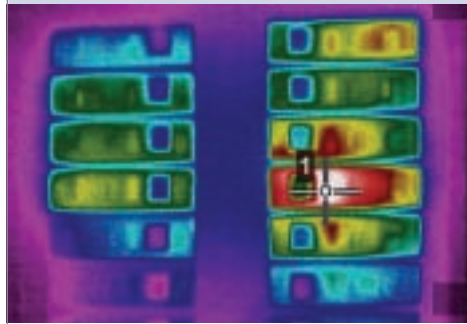
- > *Applications*
- > *Infrared Cameras*
- > *Service & Training*
- > *Rental & Pre-Owned Systems*
- > *Accessories*



# You Can't Correct What You Don't Detect

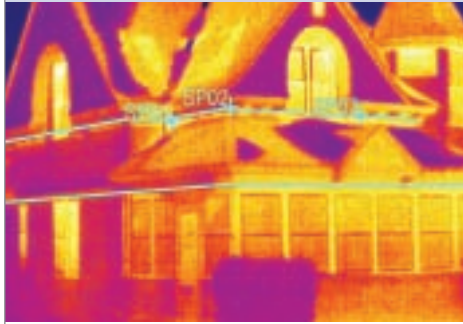
## > Commercial & Residential Inspection <

### Locate Electrical Problems



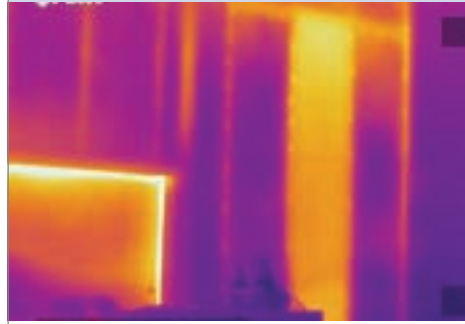
Issues with electrical connections, wiring or other system components are clearly highlighted as "hot spots" with infrared imagery — making them easy to locate and repair as part of an ongoing restoration project or building addition.

### Quickly Diagnose Building Conditions



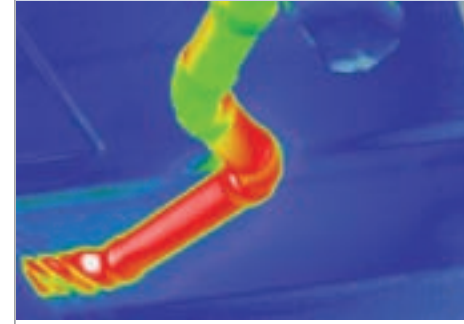
Buildings may be quickly and thoroughly scanned using infrared, identifying problem areas that can't be seen by the naked eye - ensuring the integrity of both structural and environmental systems for building inspection, repair verification and insurance purposes.

### Easy Noninvasive/ Non-destructive Testing



Facilitate repairs quickly, easily and safely as infrared minimizes the need for building disassembly - for minimal repair time, labor costs and disturbance of inhabitants, as well verification of a job well done. Missing insulation is clearly detected in the image above.

### Detect Plumbing Issues



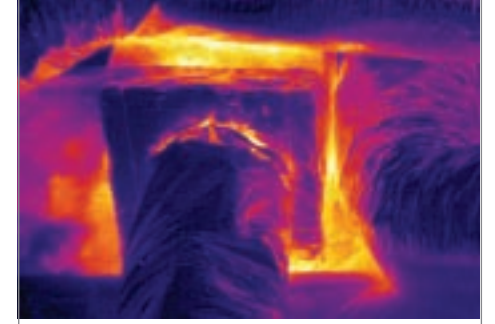
Blockages in pipes may be quickly located and addressed using infrared – enabling immediate response if required. The use of this non-destructive technology provides for proactive action to be taken - before the problem worsens.

### Termite Nest Discovery



Infrared cameras in building inspection can even be used for rodent and pest discovery, as their lairs emit heat greater than the surrounding area – a great method to identify yet another hidden problem area when looking to purchase, lease or restore a building.

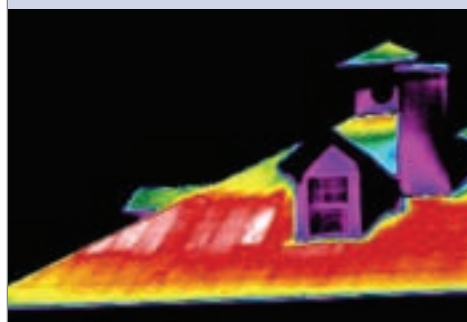
### Locate HVAC Problem Areas



Loose, ill-fitting or disconnected heating, ventilation and cooling (HVAC) system fittings can lead to moisture issues and poor building airflow, as well as wasted energy and money! Early detection and correction of these issues using infrared imagery should be a high priority.

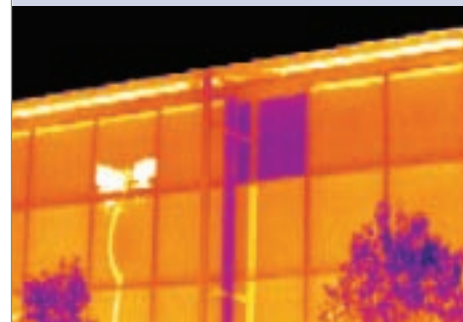
## > Energy Auditing

### Check Energy Efficiency



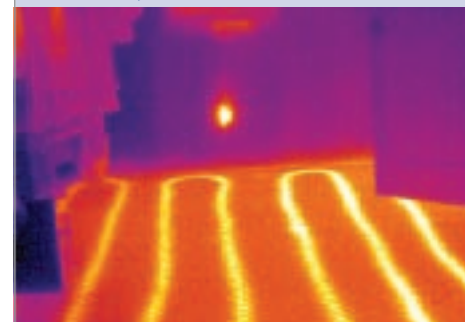
Locate and address heating and cooling losses in residential, commercial and industrial buildings with ease and pinpoint accuracy, enabling not only repairs and adjustments to be made, but accurately verified after the fact.

### Quickly Locate Areas of Cost Savings



Many commercial and industrial organizations can easily locate and address ways to save money on energy costs through infrared analysis, as shown in this image depicting a double pane window versus single pane windows.

### Verify Proper Systems Operation



Infrared inspection may be used to inspect and verify heating and cooling systems — for example, to ensure the proper operation of radiant heating pipes located in the flooring by checking for crimps in tubing and post-installation validation concerns.

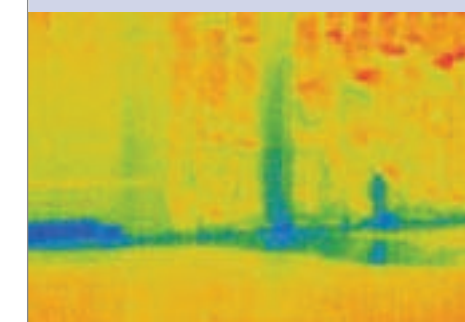
## > Restoration

### Detect Building Moisture Issues



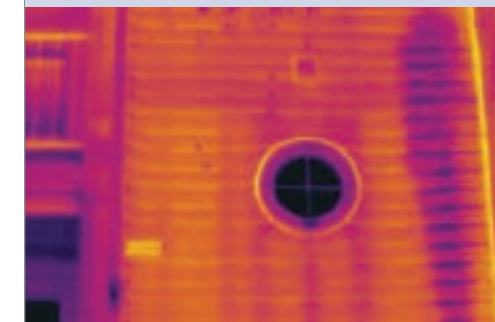
Accurately locate building moisture issues and track them to their source. Inspect places that can't physically be reached with moisture meters. Once repaired, monitor the drying process, and confirm when moisture is gone.

### Document Restoration Conditions



Track and easily record as-built or post-repair restoration conditions - documenting cause and origin data and images. Infrared thermography also provides a competitive advantage for restoration firms that market its use.

### Pinpoint Problem Areas



Infrared Technology enables the location of problem areas with extreme accuracy, taking the guesswork out of trying to find issues hidden within walls and ceilings/roofs - saving time and money over traditional visual inspection methods.

# FLIR's B-Series Infrared Cameras

## *The Choice for Building Professionals*



FLIR BCAM SD

- [120 x 120 Resolution](#)
- [USB Connectivity](#)
- [3.5 inch Color LCD](#)
- [Only 1.2 lbs](#)
- [QuickReport Software](#)
- [Stores up to 1000 Radiometric JPEG Images](#)
- [Removable Compact SD Card](#)
- [Easily Downloads to any PC](#)
- [Long 7-Hour Battery Life](#)

Ideal for home inspectors, home energy auditors, real estate appraisers, restoration contractors, HVAC contractors, and air quality professionals.

**Call for Lease Options!**



FLIR B200

- [200 X 150 IR Resolution](#)
- [Scalable Fusion with PIP](#)
- [Auto/Manual Focus w/ 1-2X Zoom](#)
- [Microsoft® Word/JPEG Compatible](#)
- [Interchangeable Lenses](#)
- [Humidity and Insulation Alarms](#)
- [5 Temperature Spots](#)
- [QuickReport Software](#)
- [Visible Light Camera \(1.3 Mp\)](#)
- [Thermal Sensitivity: 0.08°C @ +30° \(+86°F\) / 80mK](#)

The B200 is a base model in the B-Series, offering a high-quality infrared detector at an affordable price.



FLIR B250

- [200 X 150 IR Resolution](#)
- [Scalable Fusion with PIP](#)
- [Auto/Manual Focus w/ 1-2X Zoom](#)
- [Microsoft® Word/JPEG Compatible](#)
- [Interchangeable Lenses](#)
- [Humidity and Insulation Alarms](#)
- [5 Temperature Spots](#)
- [Touch Screen](#)
- [Voice, Text & Sketch Annotation](#)
- [QuickReport Software](#)
- [Visible Light Camera \(1.3 Mp\)](#)
- [Microphone Headset Connection](#)
- [Thermal Sensitivity: 0.07°C @ +30° \(+86°F\) / 70mK](#)

The B250 adds features such as voice annotation, text from touch screen softkeys, sketch, and image markers on the touch screen display.



FLIR B360

- [320 x 240 IR Resolution](#)
- [TripleFusion Technology with PIP](#)
- [Auto/Manual Focus w/ 1-4X Zoom](#)
- [Microsoft® Word/JPEG Compatible](#)
- [Interchangeable Lenses](#)
- [Humidity and Insulation Alarms](#)
- [5 Temperature Spots](#)
- [QuickReport Software](#)
- [Visible Light Camera \(1.3 Mp\)](#)
- [Thermal Sensitivity: 0.06°C @ +30° \(+86°F\) / 60mK](#)

The B360 includes higher IR resolution, 1.36 mRad spatial resolution, and 1-4X zoom capability.



FLIR B400

- [320 x 240 IR Resolution](#)
- [TripleFusion Technology with PIP](#)
- [Auto/Manual Focus w/ 1-8X Zoom](#)
- [Microsoft® Word/JPEG Compatible](#)
- [Interchangeable Lenses](#)
- [Humidity and Insulation Alarms](#)
- [Audible and Visual Alarms](#)
- [5 Temperature Spots w/Delta T Mode](#)
- [Voice, Text & Sketch Annotation](#)
- [QuickReport Software](#)
- [Visible Light Camera \(1.3 Mp\)](#)
- [MPEG-4 Video Storage](#)
- [Microphone Headset Connection](#)
- [Thermal Sensitivity: 0.05°C @ +30° \(+86°F\) / 50mK](#)

The B400 includes the higher IR resolution and spatial resolution of the B360 camera -- PLUS greater thermal sensitivity, 1-8x zoom, touch screen text, sketch and image marker, voice annotation of images, and video capability.



FLIR B660

- [640 x 480 IR Resolution](#)
- [TripleFusion Technology with PIP](#)
- [Powerful Thermal Sensitivity: <45mK](#)
- [Auto/Manual Focus w/ 1-8X Zoom](#)
- [10 Spotmeters](#)
- [Interchangeable Lenses](#)
- [Dew Point and Insulation Alarms](#)
- [Dynamic Details Enhancement \(DDE\)](#)
- [3.2 Mp Visible Light Camera](#)
- [Captures IR and MPEG-4 Video](#)
- [Text and Voice Annotation](#)
- [Built-in Geographical Positioning System \(GPS\)](#)
- [Location Tagging of Images](#)
- [Optional Remote Control](#)

The FLIR B660 delivers maximum thermal sensitivity and imaging features for advanced building and energy surveys. The B660 offers eyepiece and optional LCD display, GPS, and a remote control feature.

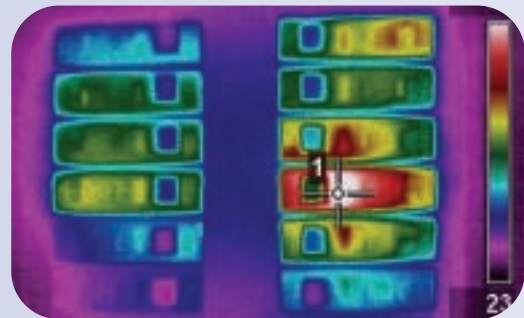
\* Please call for leasing rates. All leases and monthly payments will vary depending upon down payment, lease term, credit history, and terms and conditions. Technical product specifications are subject to change. All prices are quoted in US funds for the United States market only. For Canadian prices, please call the Canadian office directly.

**Call for leasing options!**

For additional technical specifications and product information, please visit [www.goinfrared.com](http://www.goinfrared.com) or call us at 1 800 464 6372  
IN CANADA: [www.flir.ca](http://www.flir.ca) • 1 800 613 0507

# Infrared in Action

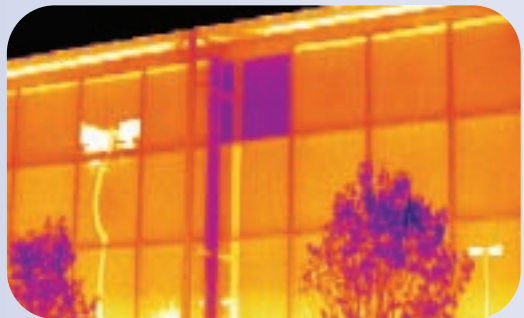
## B-Series Cameras on the Job



Locate electrical problems with infrared. In the example shown here, circuit breaker phase exceeds 80% ampacity, and the temperature exceeds breaker rating. Aside from not adequately meeting power needs, this issue poses a potential electrical fire hazard.

### Commercial & Residential Inspection

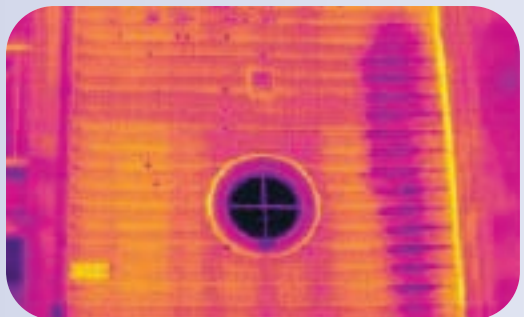
Infrared inspection with a FLIR B-Series camera enables a powerful noninvasive method to monitor and diagnose the condition of buildings. Quickly identify problem areas that can't be seen by the naked eye – eliminating destructive probing methods. Results are captured and documented instantly into professional reports – providing tangible proof of your findings. FLIR infrared inspection helps you save time and money, and provides you with a unique competitive advantage for all your residential or commercial inspections.



This thermal image clearly demonstrates the energy efficiency difference between single and double pane windows with the darker window showing significant energy loss in this summer time thermal image. Infrared offers the best technology to quickly and accurately locate areas of energy inefficiency – enabling cost savings for your home or business as well as better use of limited energy resources.

### Energy Auditing

Infrared thermography is a well-accepted method of imaging and evaluating the thermal efficiency of building insulation, doors, windows and other penetrations, as well as the efficiency and condition of heating and cooling systems. Temperature anomalies reveal problems instantly, enabling needed repairs to be made with accuracy and confidence.



The thermogram of this vinyl-sided 3-floor apartment house clearly shows the path of a serious water leak—completely hidden within the wall—from a washing machine on the third floor. The thermographer used FLIR's Image Builder software to automatically "stitch" the three individual thermographs into one fully thermographic collage.

### Restoration

Thermographic imagery provides immediate documentation of as-built or post-restoration quality, post-casualty cause and origin data, plumbing and building envelope water leakage, post-flood and fire water-damaged material assessment and electrical problems. FLIR ThermoCAM B-Series cameras instantly capture and record high-resolution infrared images providing fast detection for fast action. Plus, once the cause of a moisture issue is repaired, infrared can be used to monitor the drying process, and confirm when moisture is gone.

*By making a few small changes, you can reduce your energy costs by 10% to 50%, and, at the same time, help reduce air pollution and dependence on foreign fuel imports.*

*- "Energy Efficiency and Renewable Energy"  
U.S. Department of Energy, September 2005*

# What's the difference between getting the job done and getting the job done right?

## The Difference is Training

There's no better way to get the most out of your FLIR IR camera investment than world-class instruction through our Infrared Training Center (ITC)—the largest dedicated infrared applications training organization in the world.

All ITC courses are developed and taught by highly qualified instructors and meet or exceed ASNT SNT-TC-1A guidelines. Level I and Level II certifications are accepted by NETA (International Electrical Testing Association, an accredited standards developer for the American National Standards Institute, ANSI). And, ITC is the only ISO 9001 certified infrared training organization.

**TO REGISTER FOR CLASSES:**  
**1 866 872 4647**

**Canada: 1 800 613 0507, ext. 25**

Visit [www.infraredtraining.com](http://www.infraredtraining.com) for course descriptions, schedules and registration.



### BUILDING DIAGNOSTIC COURSES

#### Building Sciences

ITC has partnered with the Building Science Institute to develop this 3½ day course which demonstrates real-world thermographic inspection techniques, and includes infrared theory relevant to these skills. This course is ideal for building owners, maintenance technicians, or anyone working within restoration firms or insurance companies. You will learn how infrared technology is a powerful and noninvasive means of monitoring and diagnosing the condition of buildings, and provides immediate documentation of as-built, pre- and post-restoration conditions, post-casualty Cause and Origin data, plumbing and building envelope water leakage, post-flood and fire water-damaged material assessment, energy use inefficiency, and electrical problems.

#### Infrared Home Inspection

Come learn how infrared thermography has revolutionized home inspection, and discover how you can gain a competitive advantage in your local market while increasing your earnings potential. This one-day course will cover an introduction to infrared thermography with an emphasis on delivering an easy-to-understand and practical focus on the electromagnetic spectrum and fundamentals of heat transfer. Techniques on how to best operate an infrared camera will be covered, including how to compensate for environmental conditions and the occurrence of reflected light. In addition, you will learn how to incorporate your thermal images into professional inspection reports to provide your customers with clear, sharp and relevant documentation of their home.

#### Infrared Roofing Inspection

This two-day training course focuses on roof moisture detection and roof inspection surveys. You will discuss roofing types, typical problems, and how to perform infrared inspections to detect roof moisture. Details on thermal imaging equipment, procedures, and safety issues will be covered, along with effects of weather conditions. New infrared camera users as well as practicing thermographers will benefit from instruction covering limitations based on roof construction, insulation type, and how to recognize thermal patterns associated with roof leaks.

#### Infrared Electrical Inspection

See how infrared electrical inspection can prevent unscheduled downtime and keep your facility proactively maintained. This two-day training course covers indoor and outdoor electrical equipment inspection methods- showing you how to recognize typical thermal patterns associated with electrical faults. Enhance your skills in our electrical application lab, and learn from the experts how to collect quality data, document infrared survey results, and prepare maintenance reports.

JUNE 2008		
2 - 6	INFRA CANADA EAST	Niagara, ON
3 - 4	BUILDING INVESTIGATIONS	Montreal, QC
3 - 6	LEVEL I	Santa Clara, CA
3 - 6	LEVEL I	Denver, CO
4 - 6	RTOOLS	Billerica, MA
10	REPORTER 8.2	Web Training
16 - 19	LEVEL I	St. Johns, NL
16 - 20	LEVEL I	Billerica, MA
17 - 19	GASFINDIR	Houston, TX
17 - 20	LEVEL II	St. Louis, MO
17 - 20	BUILDING SCIENCE	Salt Lake City, UT
23 - 26	LEVEL I	Portland, OR
23 - 26	R&D	Billerica, MA
24	REPORTER 8.2	Web Training
29 - 31	LEVEL I	Calgary, AB

JULY 2008		
7 - 10	LEVEL I	Saskatoon, SK
7 - 11	LEVEL II	Billerica, MA
14 - 18	LEVEL I	Billerica, MA
14 - 17	LEVEL I	Ottawa, ON
15 - 18	LEVEL I	St. Louis, MO
15 - 18	LEVEL II	Green Bay, WI
22 - 25	BUILDING SCIENCE	Billerica, MA
24 - 25	ELECTRICAL	Green Bay, WI
28 - 31	LEVEL I	Green Bay, WI
29 - 1	LEVEL I	Salt Lake City, UT

AUGUST 2008		
4 - 8	LEVEL II	Billerica, MA
5 - 8	LEVEL I	Dayton, OH
5 - 8	LEVEL I	San Diego, CA
5 - 8	LEVEL I	Toronto, ON
11 - 13	FUGITIVE EMISSIONS	Toronto, ON
11 - 15	LEVEL I	Billerica, MA
12 - 15	BUILDING SCIENCE	Chicago, IL
12 - 15	LEVEL I	Denver, CO
14 - 15	BUILDING	Toronto, ON
19 - 21	GASFINDIR	Denver, CO
19 - 22	LEVEL II	Chicago, IL
25 - 28	LEVEL I	Chicago, IL

SEPTEMBER 2008		
3 - 6	LEVEL III	Toronto, ON
8 - 11	LEVEL I	Moncton, NB
8 - 12	LEVEL I	Billerica, MA
9 - 12	LEVEL I	Savannah, GA
9 - 12	LEVEL II	Minneapolis, MN
9 - 12	BUILDING SCIENCE	Fremont, CA
16 - 18	GASFINDIR	Houston, TX
16 - 19	LEVEL I	Las Vegas, NV
16 - 19	LEVEL I	Lyndhurst, NJ
16 - 19	WEATHERIZATION	Minneapolis, MN
22 - 25	LEVEL I	Las Vegas, NV
22 - 25	LEVEL I	Clarksville, TN
23 - 26	LEVEL I	Minneapolis, MN
23 - 26	R&D	Billerica, MA
29 - 30	ELECTRICAL APPLICATIONS	Billerica, MA
29 - 2	LEVEL I	Grand Rapids, MI
29 - 2	LEVEL I	Santa Clara, CA
30 - 3	LEVEL I	Denver, CO
30 - 3	LEVEL I	Houston, TX

OCTOBER 2008		
1 - 2	ROOFING	Billerica, MA
6 - 9	LEVEL I	Edmonton, AB
7 - 10	WEATHERIZATION	Syracuse, NY
7 - 10	LEVEL I	Ft. Lauderdale, FL
8 - 10	GASFINDIR	Dallas, TX
13 - 16	LEVEL I	Memphis, TN
13 - 17	LEVEL I	Billerica, MA
14 - 17	LEVEL I	Toronto, ON
21 - 24	LEVEL II	Denver, CO
21 - 24	LEVEL I	Springfield, MO
21 - 24	LEVEL I	York, PA
23 - 24	BUILDING	Edmonton, AB

NOVEMBER 2008		
10 - 13	LEVEL II	Cincinnati, OH
10 - 13	LEVEL I	Vienna, VA
11 - 14	BUILDING SCIENCE	Billerica, MA
13 - 14	BUILDING	Calgary, AB
17 - 20	LEVEL III	Billerica, MA
17 - 20	LEVEL I	Montreal, QC
24 - 26	BUILDING	Toronto, ON

DECEMBER 2008		
1 - 5	LEVEL II	Billerica, MA
1 - 4	LEVEL I	Las Vegas, NV
1 - 4	LEVEL I	Vancouver, BC
2 - 5	LEVEL I	Denver, CO
8 - 12	LEVEL I	Billerica, MA
8 - 11	LEVEL I	Kansas
8 - 11	LEVEL II	Toronto, ON
15 - 18	LEVEL I	Toronto, ON

# Now you can save both equipment and your budget

FLIR can customize a payment plan that fits your budget!

## Buy >

As the largest manufacturer of infrared cameras in the world, it stands to reason that FLIR offers the widest selection for all skill levels and all budgets. Put our economies-of-scale to work for you – we'll offer you the best value for your dollar.

## Trade >

Do you have an old infrared camera? FLIR offers generous trade-in values. Give us a call to see how much your infrared camera is worth. We'll make a handsome offer to help you trade-up to the latest technology.

## Lease >

You can lease for as little as \$99 per month and some programs offer no payments for 6 months. If you'd rather pay as you go, let us create a leasing program to fit your needs.

For more information on BUY, TRADE or LEASE, call  
1 800 464 6372 or [www.goinfrared.com](http://www.goinfrared.com)

## Rent >

Want to try before you buy? FLIR offers an extensive rental program, offering both short and long term IR camera rentals. You can even apply 100% of your rental fees as credit towards the purchase of an infrared camera!

[www.infraredcamerarentals.com](http://www.infraredcamerarentals.com) or call **1 866 477 3687**

## Used >

Want to buy Pre-Owned? FLIR is the only factory authorized reseller of used FLIR, Inframetrics and Agema infrared cameras—all with unlimited post-sale technical support and a full warranty!

[www.usedircamera.com](http://www.usedircamera.com) or call **1 866 477 3687**

## FLIR Factory Service

### Protect Your Infrared Camera Investment

*with a service protection plan from FLIR Systems*

*"If I don't have my camera, I'm out of business. FLIR fixes problems quickly and keeps me working. I cannot tell you how pleased I am with the attention and care I received."*

*Howard J. Henderson  
Certified Thermographer*

### Premier Service Package

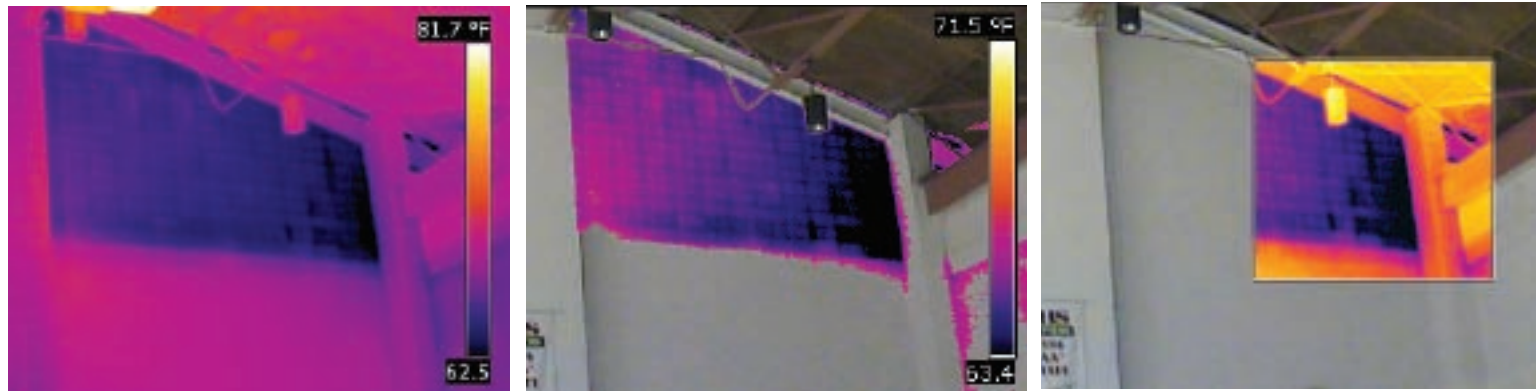
The FLIR Customer Care Division is your factory-certified source for annual service and repair for all Agema, Inframetrics and FLIR brand infrared cameras.

### Exclusive 3-Day Guarantee

With our Premier Service Package, we'll fix and return your camera within 3 days, or you get a loaner for FREE!

To learn more, contact: **1 866 354 7911**  
IN CANADA: **1 800 613 0507**

# NEW FLIR TRIPLEFUSION!



240 x 320 thermal resolution

FLIR TripleFusion: pinpoint problems fast

Picture in picture view



Moisture located on siding and wooden trim of house.



Facility AC vent cycling air in the incorrect direction.



Window sill leak noticeable from exterior of house.

## Upgrade Now to New FLIR Reporter Features:

- > Supports FLIR TripleFusion  technology
- > Works with built-in GPS capability in FLIR P660/B660/SC660 cameras
- > Move and size visible light PIP anywhere inside IR images
- > Show more detail in your reports
- > Makes your reports easy to read and compelling

Create inspection reports instantly and efficiently, review image analysis and download images quickly and efficiently—with the click of a button.

Find out more about FLIR software at:

[www.goinfrared.com/software](http://www.goinfrared.com/software)

## Accessories



Interchangeable Lenses



Myvu™ Heads Up Device



Holster



Batteries

**Whatever your need, we've got an accessory that fits.**

No other infrared camera manufacturer offers a wider variety of accessories than FLIR Systems.

FLIR offers the widest selection of accessories and supplies, from extra batteries to interchangeable optics and lenses. You'll also find an exclusive supply of LCD displays and remote control devices. We're taking technology and innovation to a whole new level!

[www.goinfrared.com/accessories](http://www.goinfrared.com/accessories)

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1 800 464 6372



# Open Houses

FREE Infrared Seminars!

# InfraMation

The World's Best Infrared Camera Conference



Want to learn more about infrared?  
Attend our **FREE** Open House events!

The most important IR camera events in 45 years!  
You're invited to come see the latest product introductions and get hands-on time with a variety of infrared cameras! Learn how thermal imaging systems are used to find problems, improve safety, save money, make money and even advance your career.

**Seating is limited – RSVP Required.**

## TO REGISTER:

- > **ONLINE:**  
www.infraredseminars.com and register instantly!
- > **TELEPHONE / EMAIL**  
Contact us at 1 800 254 0633 seminar@flir.com
- > **MORE INFORMATION**  
Get all the details at www.infraredseminars.com

Take advantage of this once-a-year, largest and most informative conference that can help you get the highest return on investment from your infrared camera.

- > Attend valuable "How-to" Workshops
- > Learn from international expert presentations
- > Obtain ITC Re-certification credits
- > See the latest new products and technologies
- > Network with the world's largest infrared camera end-user group
- > Register Early and SAVE

## TO REGISTER:

- > **ONLINE:**  
www.inframation.org/registration and register instantly!
- > **TELEPHONE / EMAIL**  
Contact us at 1 800 254 0632 inframation@flir.com
- > **MORE INFORMATION**  
www.inframation.org

# What makes FLIR the hottest selling infrared cameras in the world?

FLIR is the largest manufacturer of infrared cameras in the world, offering the widest selection, best post-sale technical support, and meaningful, hands-on training to ensure your success.

With over 30 years experience and a long history of innovation and leadership, you can trust FLIR to service all your needs now and long into the future.

**Call your local representative or authorized FLIR Building Distributor.**

Give us a call.  
We look forward to working with you.



For more information, contact:

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1 800 464 6372  
moreinfo@flir.com

**IN CANADA**  
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Why do more people buy FLIR infrared cameras  
than all other brands combined?

FLIR Systems offers the highest quality products, top-notch  
service and the best training in the industry.



See the world with FLIR and see the difference.