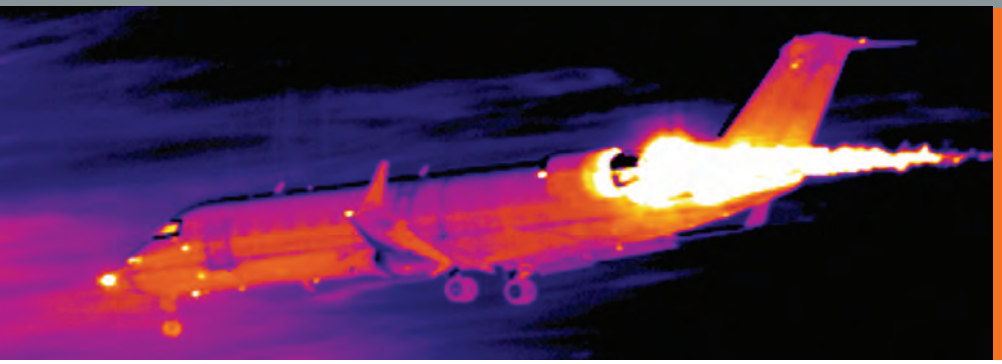
FLIR SYSTEMS™

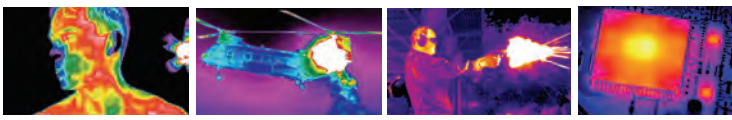
The Global Leader in Infrared Cameras

Start Seeing the World In Infrared



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

Research & Development



Your Search for An swers Begins Here

Infrared Signatures

An IR signature is the quantitative measurement of a target's apparent infrared brightness as a function of wavelength. Signature measurements are used to determine the appearance of a target to sensors under varying conditions of standoff distance and atmosphere, and to constrain the design of vehicle, sensor and camouflage systems.

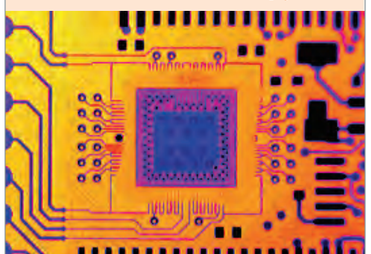
High Speed/Stop Motion

Advanced infrared sensors and data acquisition systems bring high-speed infrared imaging to a new level of performance, enabling microsecond exposure times to stop the apparent motion of dynamic scenes as well as capture frame rates exceeding 10,000 frames per second. Applications include thermal and dynamic analysis of jet engine turbine blades, supersonic projectiles and explosions.

Near Infrared (NIR)

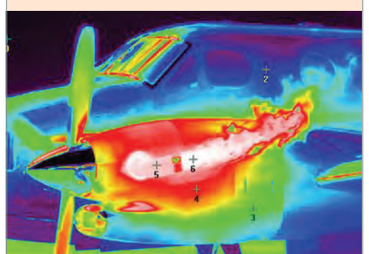
NIR light interacts with materials very differently from visible light or thermal IR. NIR imaging spectroscopy provides non-destructive quantitative analysis of crops, pharmaceuticals, agricultural products and lasers. Because NIR can penetrate many opaque materials, it can be used for imaging through haze, examination of art forgeries and questioned documents, semiconductor wafer inspection and many other applications.

Infrared Microscopy



An infrared camera combined with a microscope becomes a thermal imaging microscope, capable of accurate temperature measurement of features as small as 10 microns. Electronics manufacturers can characterize the thermal performance of active and passive components as well as printed circuit traces in operation without physical contact.

Preset Sequencing



Preset Sequencing is the ability to capture image frames at 4 different integration times in rapid succession. The best pixel response from each image can then be selected and reconstituted into one dynamic image through a process called Dynamic Range Extension, producing an 18-20 bit image with superior thermal detail.

Research & Development

Infrared cameras enable characterization of the properties of materials in ways that complement many standard analysis techniques, as well as rapid non-contact temperature measurement in the most demanding conditions. The wide range of infrared sensor types and optics that are commercially available make infrared imaging capability an indispensable tool in many research environments.

Hot Problems. Cool Solutions.

ThermoVision™ A Series

160x120, 320x240 Resolution
Uncooled Technology
7.5 to 13.0 microns
NETD < 120mK / 80mK
Manual / Motorized Focus
Thermographic Measurement
Close-up Optic Options
"Smart Sensor" Technology
Composite Video
Firewire, Ethernet Compatible

A-series cameras are ideal for R&D and production line process control. ThermaCAM™ Researcher, MATLAB™, National Instruments™ ready.

The A10 is ideal for applications where a miniaturized IR camera is needed.

ThermoVision™ A10

ThermaCAM® HS Series

320x240 Resolution
Uncooled Technology
7.5 to 13.0 microns
NETD < 60mK
Battery or AC Power
Portable Handheld Operation
Hardware or Software Remote
Motorized Focus
Thermographic Measurement
Multiple Optic Options
Composite Video and Firewire

The HS series offers the maximum flexibility for either fixed or portable applications. The "on-board" data storage is optimized for both static and dynamic thermal data recording. ThermaCAM® Researcher, MATLAB®, National Instruments® ready.

NEW!

ThermaCAM® SC640

640 x 480 Superior Resolution
Visual & Thermal Interchangeable Lenses
CompactFlash® Memory Card
USB and FireWire Connectivity
QuickView Reporting Software
Auto & Manual Focus
8-to-1 Digital Zoom with Pan
1.2 Megapixel Visual Camera
Large 5.6" Swivel/Color LCD
Real-time Picture-and-Picture (PaP)
Auto Hot Spot on Thermal/Visual
Built-in Laser LocatIR™
Target Illuminator
Bluetooth® Enabled

Superior thermal and visual image quality, spot size resolution, temperature measurement accuracy, and a host of advanced features gives you the best engineered science-grade infrared camera available.

ThermaCAM® Alpha

320x256 Resolution
900 to 1700 nanometers (InGaAs)
400 to 1700 (VisGaAs)
Compact Design
Non-proprietary Optics

Alpha NIR is ideally suited for detection of telecommunication laser radiation, particularly in the S, C, and L DWDM wavebands. Uses include: laser beam profiling; silicon wafer characterization; fiber alignment and inspection; and optical component measurement and analysis. The Alpha NIR is National Instruments® compatible.

NEW!

SC4000 & SC6000 Researcher Series

320x256, 640x512 Resolutions
MWIR
Broadband Options
Extreme Sensitivity
Lens and Extender Ring Flexibility
Highly Accurate Measurements
Multiple Optics Options
Simple Connectivity
Advanced Temperature Analysis
Optimized for Reseacher Software

The SC Researcher Series is ideal for commercial R&D applications, as they provide an instant and accurate way to evaluate thermal performance.

NEW!

SC4000 & SC6000 HS Series

320x256, 640x512 Resolutions
NIR, MWIR and LWIR
Broadband Options
Extreme Sensitivity
Lens and Extender Ring Flexibility
50MHz High Speed Acquisition
One Piece Rugged Design
Analog & Digital Outputs
Gig E & Camera Link
Built-in IRIG B
SDK Option

ThermaCAM® RTools/HSDR ready.

The HS Series feature: windowed readout modes: present sequencing; superframing; dynamic range extension; simultaneous analog and digital output; independent analog and digital output control; high speed output; and more.

For additional technical specifications and product information, please visit www.flirthermography.com/research or call us at 1 800 464 6372.

Specifications are subject to change without notice.

BUY. TRA DE. RENT.

FLIR can customize a payme nt 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 budgets. Whether you purchase new or pre-owned, we'll offer the best value for your dollar. Plus, FLIR is the only factory authorized reseller of used FLIR, Indigo, Inframetrics and Agema cameras - all offered with unlimited post-sale support and a full warranty!

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 $260 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.flirthermography.com

Rent >

NEW! IR Camera Rentals for the R&D Community!

Does your project require thermal verification?
Do you have immediate projects or fast deadlines that require IR?

Renting an infrared camera is perfect for short-term applications, thermal verification, pre-purchase evaluation, or to temporarily replace a unit in for service. The FLIR Infrared Camera Rental Program offers an exclusive inventory of powerful, factory-certified infrared cameras to the R&D community.

> *You can even apply a portion of your rental fee as credit towards the purchase of an infrared camera!*

For more information visit www.infraredcamerarentals.com or contact us at 1 866 477 3687.

FLIR Factory Service

Protect Your Infrared Came ra 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

We Offer:

- > Extended Warranties
- > Annual Maintenance
- > Get-a-Loaner Program

For more information, visit:

www.flirthermography.com/customercare
1 866 FLIR 911, 1 866 354 7911
ccare@flirthermography.com

Whatever your need, we've got software & accessories that fit!


Lenses & Extender Rings


SDK's


Cables


IR HUD

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 cables to interchangeable optics and lenses. You'll also find an extensive line of accessories designed exclusively for your camera. We're taking technology to a whole new level.

www.flirthermography.com/accessories

Education & Community

A Technical Resource for the Range Community

RangeRats.org is the first-ever community portal for the range community. It offers a wide variety of technical resources from tips-and-tricks, "how-to" procedures and topical papers.

Visit **rangerats.org** and learn all about:

> Measuring the temperature of a speeding bullet!
> Understanding Advanced Radiometry Software
> What we mean by the RTools Kitchen Sink!

Infrared Training Center

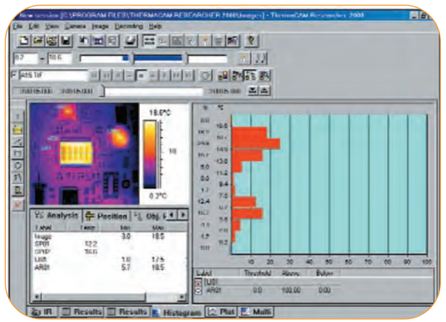
Get the most out of your IR camera investment by attending courses at the premier educational and training resource for users at all skill levels. Courses are available at our state-of-the-art training center, or on-site at your location.

To register: 1 866 872 4647
www.infraredtraining.com

InfraMation

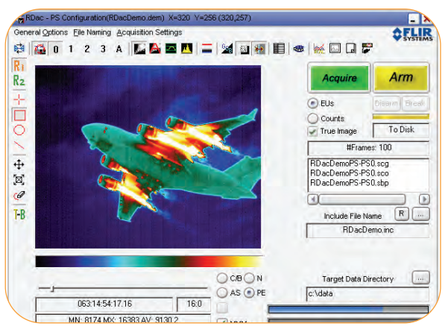
InfraMation is the annual Infrared Camera Applications Conference where both beginners and seasoned professionals are able to network and take part in targeted training sessions, and interactive exhibits.

To register: 1 800 254 0632
www.inframation.org



ThermaCAM® Researcher

Extremely versatile and easy to use, ThermaCAM® Researcher allows in-depth analysis of static and dynamic thermal events. With various connection options, thermal images and data is recorded with ThermaCAM Researcher via direct camera connection or flash card exchange. Powerful built-in analysis tools include, Time vs. temperature plotting, Line profiling, Histogram charting, and image subtraction for quick comprehensive thermal analysis. The ability to store processed imagery and data in non-proprietary formats makes for easy import into other software packages such as MATLAB®, EXCEL®, and Windows® Media Player.



ThermaCAM® RTools

A highly sophisticated software package developed for engineers and scientists to acquire, radiometrically calibrate, process, and analyze data from various digital infrared camera systems. The ThermaCAM® RTools Software Suite is comprised of robust stand-alone modules for data acquisition and storage, camera calibration, file archival and maintenance, and data review and analysis. The ThermaCAM RTools modules may be installed independently giving end user's the option to pick and choose which modules best meet their application requirements.

ThermaCAM® HSDR

The High Speed Data Recorder (HSDR) is a PC-based digital recording system designed to record high speed infrared camera data for extended time periods with zero dropped frames and precise time stamping. The HSDR is available in two software configurations; ThermaCAM Researcher HSDR and ThermaCAM RTools HSDR. Each configuration has all the software functionality listed above with the added features of:

> *Record rate of 100 Megabytes/second*
> *Record time up to 3 hours*
> *Zero dropped Frames*
> *Sub millisecond time stamp*
> *Real time image display and analysis during recording*

www.gotoInfrared.com

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.
Refer to the map to find your local representative!

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

FLIR SYSTEMS™
The Global Leader in Infrared Cameras

ISO 9001 REGISTERED COMPANY — ANSI-RAB QMS ACCREDITED

For more information, contact:

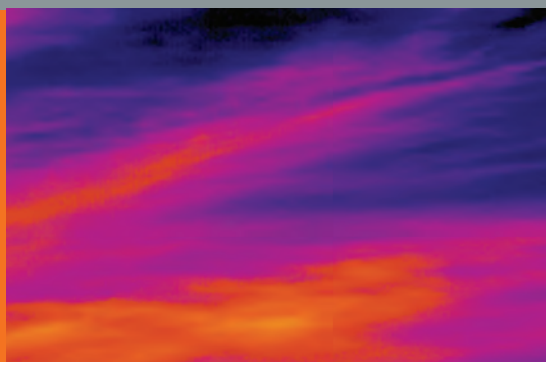
www.gotoInfrared.com
PO Box 33908, Reno, NV 89533
801-393-6050

RESEARCH & DEVELOPMENT I061306PL

www.gotoInfrared.com

Why do more people buy FLIR than all other brands combined?

FLIR offers the widest selection of superior quality infrared cameras and the best post-sale technical support and training in the industry, and in the world – year after year, decade after decade. We are IR!



See the world with FLIR and see the difference.