

FLIR ExaminIR

Thermal Measurement, Recording,
and Analysis Software for
Research and Science



Easy Camera Connectivity

Customizable Workspaces

Snapshot and Movie Recording

Multiple Measurement Modes

Chart, Graph, and Plot Reporting



FLIR ExaminIR

ExaminIR is a powerful and easy-to-use thermal analysis software package for FLIR Research & Science cameras.

It provides camera control, high-speed data recording, image analysis, and data sharing.

Acquire – The ExaminIR software connects directly to FLIR Research and Science cameras via USB, Firewire, Gigabit Ethernet, and Camera Link to acquire thermal snapshots or movie files.

ExaminIR supports multiple acquisition options, including high-speed burst mode recording to RAM or slower speed data logging to a hard drive.

Users can easily customize recording options, such as: start times, end times, and the number of frames to acquire.

Analyze – ExaminIR performs real-time image analysis, with an extensive set of measurement tools including spots, lines, and areas.

ExaminIR supports Preset Sequencing and superframing for analysis of scenes with large temperature differences or targets with rapid thermal dynamics.

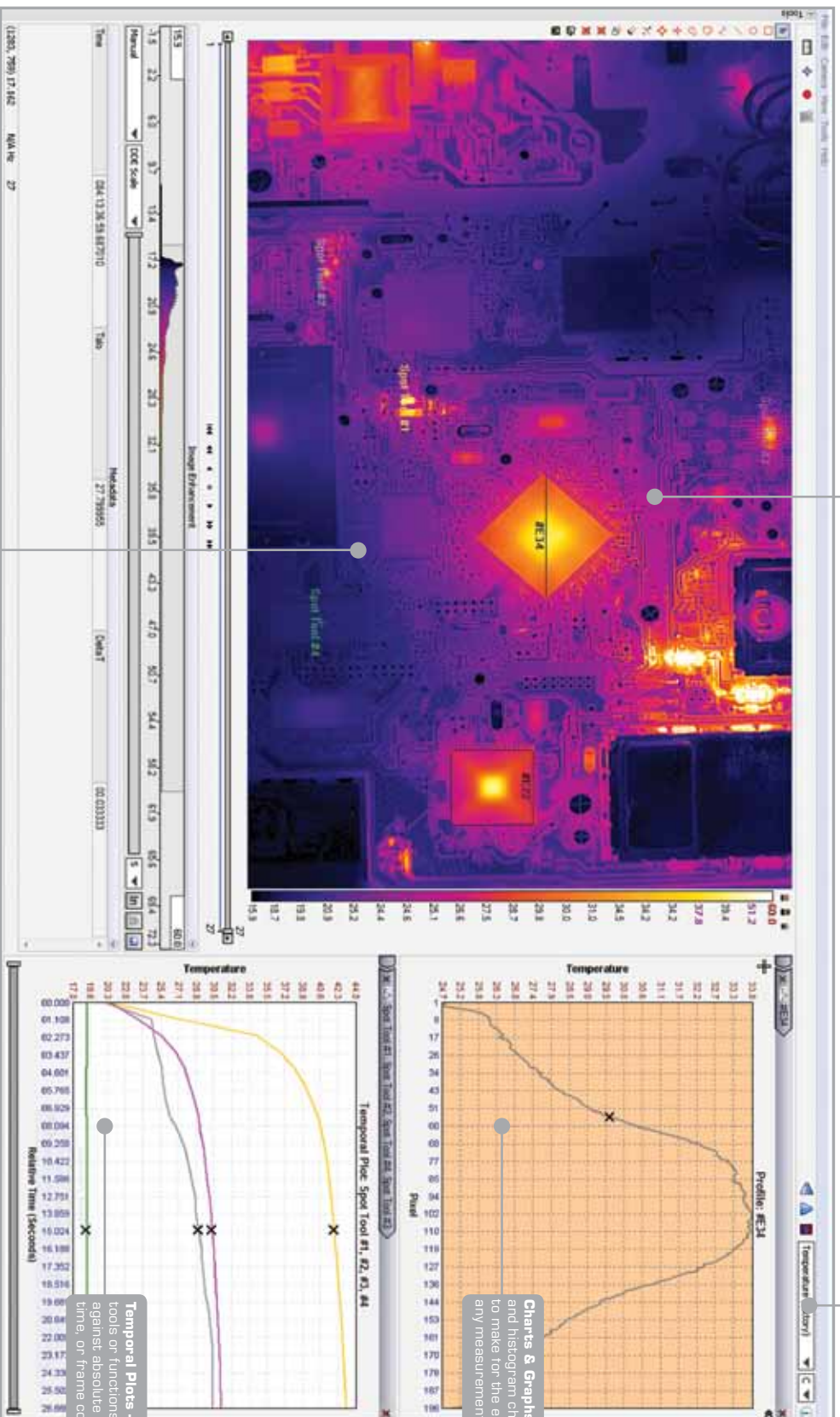
ExaminIR provides an array of charting and plotting capabilities including line profiles, histograms, and temporal plots for all of the measurement tools.

Share – Image and plot data from ExaminIR can be exported graphically as a Bitmap or CSV file for reporting and analysis in other software programs.

ExaminIR's exclusive Self Viewing Files (SVFs) allow users to share discrete copies of ExaminIR data sets with other viewers. See the back cover for more information.

Customized Workspaces – Use the “Float & Dock” interface to arrange the display of imagery, data, charts, and plots. Charts can be “docked” into the ExamIntr workspace or presented as free-standing windows.

Temperature, Radiance, or Digital Counts Measurement – Toggle between digital counts, radiance, or temperature units when displaying, recording, or analyzing imagery.

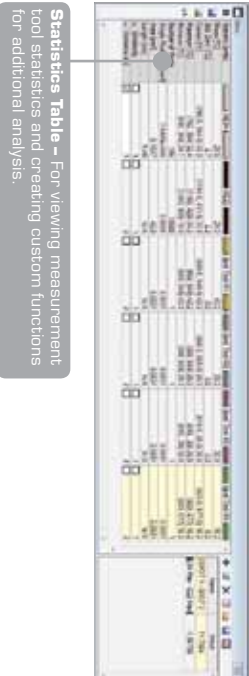


Charts & Graphs – Line profiles and histogram charts are easy to make for the entire image or any measurement tool.

Temporal Plots – Measurement tools or functions can be plotted against absolute time, relative time, or frame count.

Advanced Tools – These tools allow users to set object parameters, view the source segmentation tool, and display the explorer file manager.

Movie or Snapshot Analysis – Measurement analysis can be done live when connected to a camera, or in playback with recorded snapshots and movie sequences.



Statistics Table – For viewing measurement tool statistics and creating custom functions for additional analysis.

Additional ExaminIR Features

Emissivity Calculator – The emissivity value for any measurement tool can be adjusted manually or calculated by using the built in Emissivity Calculator.

Spatial Calibrations – Used to calibrate image pixels and measurement tools to length and area units like millimeters, meters, inches, and feet.

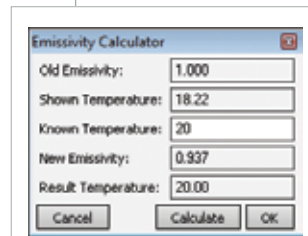
Custom Thermographic and Radiometric Calibrations – A calibration wizard guides you step-by-step through the creation of your own thermographic and radiometric calibrations.

Measurement Function Editor – Create mathematical functions for custom measurement analysis and graphically present them on temporal plots.

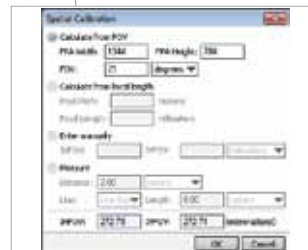
Self Viewing Files – SVFs are a way to share your thermal snapshots, movies, and data with others who do not own an ExaminIR license. SVFs take the thermal data file and wrap ExaminIR around it to create a single executable file. This file can then be shared with others, allowing them to run the ExaminIR software bundled with the data on their computer for playback and further analysis.

Two Versions Available – FLIR has two versions of ExaminIR to meet your budget and analysis needs. Please contact your FLIR representative for a detailed description of ExaminIR and ExaminIR Max features.

ExaminIR Demos & Training – To see ExaminIR in action, watch a web demonstration, or view tutorial videos, visit www.flir.com/examinir/tutorial.



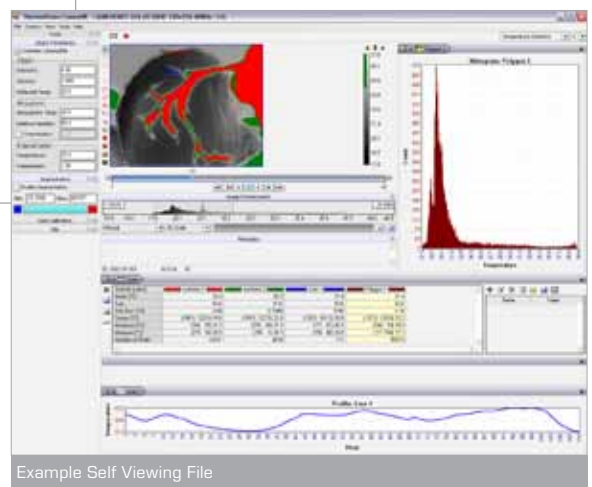
ExaminIR Emissivity Calculator



ExaminIR Spatial Calibration Window



ExaminIR Measurement Function Editor



Example Self Viewing File



BOSTON

FLIR Systems, Inc.
25 Esquire Road
North Billerica, MA 01862
USA
PH: +1 800.464.6372
PH: +1 978.901.8000

PORTLAND

Corporate Headquarters
FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 800.464.6372

LATIN AMERICA

FLIR Systems Brasil
Av. Antonio Bardella
320 - B. Boa Vista-Cep:
18085-852
Sorocaba – SP - Brazil
PH: +55 15 3238 8070

CANADA

FLIR Systems, Ltd.
920 Sheldon Ct.
Burlington, ON L7L 5L6
Canada
PH: +1 800.613.0507

www.flir.com
NASDAQ: FLIR