

Part number:
T198206

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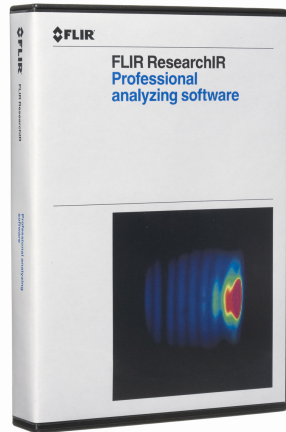
Customer support

<http://support.flir.com>

Legal disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply.

Information and equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.



General description

Note: This release is not intended for the US region.

FLIR ResearchIR is aimed at R&D and science professionals who use thermal imaging cameras with a cooled or uncooled detector. FLIR ResearchIR makes the most of a thermal imaging camera, and allows high-speed recording and advanced thermal pattern analysis. FLIR ResearchIR is the perfect tool for industrial R&D.

Users who are interested in more advanced scientific applications should choose FLIR ResearchIR Max.

Key features:

- View, record and store images at high speed.
- Post-processing of fast thermal events.
- Generate time-temperature plots from live images or recorded sequences.
- Advanced start/stop recording conditions.
- Unlimited number of analysis functions (spot, line, area).
- File organizer with quick collection and preview of sequences.
- Zoom and pan allows a closer look.
- Multiple user-configurable tabs for live images, recorded images or plots.
- Export images and results to bitmap, video, Excel, matlab or CSV formats
- Local scale gain control on measurement – automatically adjusts the contrast in a specific part of the image.
- MSX (Multi-Spectral Enhancement) – embosses digital image detail onto the thermal image.
- Sketch on IR support.

FLIR ResearchIR in combination with a FLIR thermal imaging camera is the perfect solution for any R&D or scientific application. It will allow researchers in all fields to make the smallest of temperature differences visible and to thoroughly analyze the thermal process in real-time.

Typical applications:

- The transient behavior of a power supply or one of its components during power up when altering the load or any other parameter.
- Evaluating the transient behavior of a car brake when braking and when altering the material in the brakes.

Download

To download a 30-day evaluation version, click the following link:

<http://support.flir.com/SwDownload/app/RssSWDownload.aspx?ID=132>

Release notes

Version	FLIR ResearchIR 3.2
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P/N: T198206

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Release notes

New features

- --- News in 3.2: ---
- Local scale gain control on measurement – automatically adjusts the contrast in a specific part of the image.
- MSX (Multi-Spectral Enhancement) – embosses digital image detail onto the thermal image.
- Added Sketch on IR support.
- Improved GigE Ethernet camera compatibility support.
- Improved translation.
- Fixed the delta reading in Fahrenheit.
- Fixed the impact of the zoom parameter in windows settings.
- Various profile and temporal plot fixes.
- Minor bug fixes.
- General performance improvement.
- --- News in 3.1: ---
- New FCF file format embeds session data (measurements and processing filters); FCF files are backward compatible with other native formats (SEQ, FFF, PTW).
- Copy/paste measurements.
- Add a selected frame number to the record in the recording tab.
- AVI export supports measurement and scale selection.
- Export menu reorganized for better clarity.
- Copy to clipboard compatibility with Excel.
- Out-of-range and saturation colors in palette.
- Select visibility of images in results table (all images/only visible/images in current tab).
- Local measurement parameters now saved.
- Improvements and bug fixes in plots.
- Bug fixes in AVI export.
- Other performance improvements and bug fixes.

Shipping information

- FLIR ResearchIR

System requirements

Operating system

- Windows XP, 32 bit
- Windows Vista, 32 bit
- Windows Vista, 64 bit
- Windows 7, 32 bit
- Windows 7, 64 bit