

Part number:
T198206

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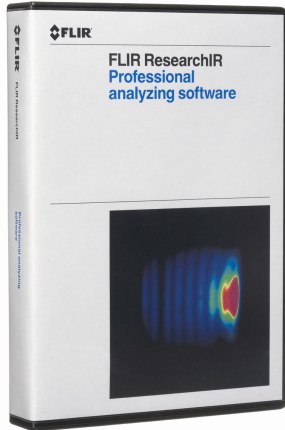
Customer support

<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 only applies to the APAC and EMEA regions. 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.

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

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

Release notes

Version	FLIR ResearchIR 3.1
New features	<ul style="list-style-type: none"> • --- 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

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Operating system

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

Compatible with the following products

- 40402-3501 FLIR SC660 12°
- 40402-3502 FLIR SC660 24°
- 40402-3503 FLIR SC660 45°
- 40402-3601 FLIR SC640 12°
- 40402-3602 FLIR SC640 24°
- 40402-3603 FLIR SC640 45°
- 40402-3702 FLIR SC620 24°
- 40402-3703 FLIR SC620 45°
- 55901-3111 FLIR T600 15°
- 55901-2101 FLIR T600 15° (incl. Wi-Fi)
- 55901-3112 FLIR T600 25°
- 55901-2102 FLIR T600 25° (incl. Wi-Fi)
- 55901-3113 FLIR T600 45°
- 55901-2103 FLIR T600 45° (incl. Wi-Fi)
- 55901-4111 FLIR T600bx 15°
- 55901-4101 FLIR T600bx 15° (incl. Wi-Fi)
- 55901-4112 FLIR T600bx 25°
- 55901-4102 FLIR T600bx 25° (incl. Wi-Fi)
- 55901-4113 FLIR T600bx 45°
- 55901-4103 FLIR T600bx 45° (incl. Wi-Fi)
- 55901-3311 FLIR T620 15°
- 55901-2301 FLIR T620 15° (incl. Wi-Fi)
- 55901-3312 FLIR T620 25°
- 55901-2302 FLIR T620 25° (incl. Wi-Fi)
- 55901-3313 FLIR T620 45°
- 55901-2303 FLIR T620 45° (incl. Wi-Fi)
- 55901-4311 FLIR T620bx 15°
- 55901-4301 FLIR T620bx 15° (incl. Wi-Fi)
- 55901-4312 FLIR T620bx 25°
- 55901-4302 FLIR T620bx 25° (incl. Wi-Fi)
- 55901-4313 FLIR T620bx 45°
- 55901-4303 FLIR T620bx 45° (incl. Wi-Fi)
- 55902-3511 FLIR T640 15°
- 55902-2501 FLIR T640 15° (incl. Wi-Fi)
- 55902-3512 FLIR T640 25°
- 55902-2502 FLIR T640 25° (incl. Wi-Fi)
- 55902-3513 FLIR T640 45°
- 55902-2503 FLIR T640 45° (incl. Wi-Fi)
- 55902-4511 FLIR T640bx 15°
- 55902-4501 FLIR T640bx 15° (incl. Wi-Fi)
- 55902-4512 FLIR T640bx 25°
- 55902-4502 FLIR T640bx 25° (incl. Wi-Fi)
- 55902-4513 FLIR T640bx 45°
- 55902-4503 FLIR T640bx 45° (incl. Wi-Fi)
- 40206-0102 FLIR T200
- 45606-0201 FLIR T200 (9 Hz)
- 40205-0201 FLIR T250
- 45605-0201 FLIR T250 (9 Hz)
- 45605-0201-1 FLIR T250 (9 Hz) + EX845
- 45305-0201 FLIR T300 (30 Hz)
- 45004-0201 FLIR T330 (50 Hz)
- 45311-0201 FLIR T335 (30 Hz)
- 45311-0201-1 FLIR T335 (30 Hz) + EX845
- 45609-0201 FLIR T335 (9 Hz)
- 45609-0201-1 FLIR T335 (9 Hz) + EX845
- 45002-0201 FLIR T340 (50 Hz)
- 45302-0201 FLIR T360 (30 Hz)
- 37705-0102 FLIR T360 (9 Hz)
- 45309-0201 FLIR T365 (30 Hz)
- 45309-0201-1 FLIR T365 (30 Hz) + EX845
- 45602-0201 FLIR T365 (9 Hz)
- 45602-0201-1 FLIR T365 (9 Hz) + EX845
- 45001-0202 FLIR T390 (50 Hz)
- 45301-0202 FLIR T400 (30 Hz)
- 45307-0202 FLIR T425 (30 Hz)
- 45307-0202-1 FLIR T425 (30 Hz) + EX845
- 45601-0202 FLIR T425 (9 Hz)
- 45601-0202-1 FLIR T425 (9 Hz) + EX845
- 40208-0102 FLIR B200
- 45608-0201 FLIR B200 (9 Hz)
- 40207-0201 FLIR B250
- 45607-0201 FLIR B250 (9 Hz)
- 45607-0201-1 FLIR B250 (9 Hz) + MO297
- 45306-0201 FLIR B300 (30 Hz)
- 45312-0201 FLIR B335 (30 Hz)
- 45312-0201-1 FLIR B335 (30 Hz) + MO297
- 45610-0201 FLIR B335 (9 Hz)
- 45610-0201-1 FLIR B335 (9 Hz) + MO297
- 45304-0201 FLIR B360 (30 Hz)
- 37706-0102 FLIR B360 (9 Hz)
- 45310-0201 FLIR B365 (30 Hz)

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Compatible with the following products

- 45310-0201-1 FLIR B365 (30 Hz) + MO297
- 45604-0201 FLIR B365 (9 Hz)
- 45604-0201-1 FLIR B365 (9 Hz) + MO297
- 45303-0202 FLIR B400 (30 Hz)
- 45308-0202 FLIR B425 (30 Hz)
- 45308-0202-1 FLIR B425 (30 Hz) + MO297
- 45603-0202 FLIR B425 (9 Hz)
- 45603-0202-1 FLIR B425 (9 Hz) + MO297
- 62101-0202 FLIR T420 25°
- 62101-0101 FLIR T420 25° (incl. Wi-Fi)
- 62101-0602 FLIR T420bx 25°
- 62101-0501 FLIR T420bx 25° (incl. Wi-Fi)
- 62101-0402 FLIR T440 25°
- 62101-0301 FLIR T440 25° (incl. Wi-Fi)
- 62101-0802 FLIR T440bx 25°
- 62101-0701 FLIR T440bx 25° (incl. Wi-Fi)
- 62102-1004 FLIR T450sc 25°
- 62102-0903 FLIR T450sc 25° (incl. Wi-Fi)
- 48201-1201 FLIR A320 Tempscreen
- 42701-1201 FLIR A320 Tempscreen (9 Hz)
- 42901-1001 FLIR SC305
- 48001-1001 FLIR SC325
- 55001-0204 FLIR SC645 7°
- 55001-0201 FLIR SC645 15°
- 55001-0202 FLIR SC645 25°
- 55001-0203 FLIR SC645 45°
- 55001-0205 FLIR SC645 80°
- 55001-0304 FLIR SC655 7°
- 55001-0301 FLIR SC655 15°
- 55001-0302 FLIR SC655 25°
- 55001-0303 FLIR SC655 45°
- 55001-0305 FLIR SC655 80°
- 59601-0101 FLIR GF304 14.5°
- 59602-0101 FLIR GF304 14.5° Fixed lens
- 59601-0102 FLIR GF304 24°
- 59602-0102 FLIR GF304 24° Fixed lens
- 49001-0101 FLIR E33
- 49001-2201 FLIR E40
- 49001-2001 FLIR E40 (incl. Wi-Fi)
- 49001-2401 FLIR E40bx (incl. Wi-Fi)
- 49001-2301 FLIR E50
- 49001-2101 FLIR E50 (incl. Wi-Fi)
- 49001-2501 FLIR E50bx (incl. Wi-Fi)
- 49001-1602 FLIR E60
- 49001-0602 FLIR E60 (incl. Wi-Fi)
- 49001-1002 FLIR E60bx (incl. Wi-Fi)
- 49001-2602 FLIR E63 (incl. Wi-Fi)
- 49001-0201 FLIR E65