

# FLIR T300 (30 Hz, 2010 model)



## General description

FLIR T300 is a small and light-weight infrared camera with excellent image quality, high sensitivity and a broad temperature range, ideal for maintenance professionals for finding electrical hot spots and faulty equipment. The camera has Picture-in-Picture, voice annotations and interchangeable lenses.

### Key features:

- Tilttable IR unit
- Touch screen
- High image quality (320 x 240)
- High sensitivity (50 mK)
- Digital camera 3.1 Mpixel
- Laser pointer
- Picture-in-Picture (scalable)
- Delta T - Difference Temperature
- Voice annotation
- Zoom 2x
- MeterLink connection
- IR Window Auto-Correction
- Copy to USB
- FLIR QuickReport analysing s/w

Unmatched quality, outstanding ease of use, excellent ergonomics, lightweight and small!

## Imaging and optical data

Field of view (FOV)	25° × 19°
Minimum focus distance	0.4 m (1.31 ft.)
Focal length	18 mm (0.7 in.)
Spatial resolution (IFOV)	1.36 mrad
Lens identification	Automatic
F-number	1.3
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK
Image frequency	30 Hz
Focus	Automatic or manual
Digital zoom	1–2x continuous
Panning	Panning over zoomed-in images

## Detector data

Detector type	Focal plane array (FPA), uncooled microbolometer
Spectral range	7.5–13 μm
IR resolution	320 × 240 pixels

## Image presentation

Display	Built-in touch screen, 3.5 in. LCD, 320 × 240 pixels
Image adjustment	Auto (min span 4°C / 7.2°F) or manual (min span 2°C / 3.6°F)

## Image presentation modes

Image modes	IR image, visual image, picture in picture, thumbnail gallery
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Picture in Picture	Scalable IR area on visual image
<b>Measurement</b>	
Object temperature range	-20°C to +120°C (-4°F to +248°F) 0°C to +350°C (+32°F to +662°F) +200°C to +650°C (+392°F to +1202°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
<b>Measurement analysis</b>	
Spotmeter	5
Area	5 boxes with max./min./average
Automatic hot/cold detection	Auto hot or cold spotmeter markers within area
Isotherm	Detect high/low temperature/interval
Difference temperature	Delta temperature between measurement functions or reference temperature
Reference temperature	Manually set or captured from any measurement function
Emissivity correction	Variable from 0.01 to 1.0 or selected from materials list
External optics/windows correction	Automatic, based on inputs of optics/window transmission and temperature
Measurement corrections	Reflected temperature, optics transmission and atmospheric transmission
<b>Set-up</b>	
Color palettes	BW, BW inv, Iron, Rain
Set-up commands	Local adaptation of units, language, date and time formats
<b>Storage of images</b>	
Image storage	Standard JPEG, including measurement data, on memory card
Image storage mode	IR/visual images; simultaneous storage of IR and visual images
<b>Image annotations</b>	
Voice	60 seconds
External sensors	Possible to connect (Bluetooth®): Exttech Moisture Meter MO297 Exttech Clamp Meter EX845
Report generation	• Separate PC software with extensive report generation
<b>Video recording and streaming</b>	
Radiometric IR-video streaming	Full dynamic to PC using USB
Non-radiometric IR-video streaming	MPEG-4 to PC using USB
<b>Digital camera</b>	
Built-in digital camera	3.1 Mpixel (2048 × 1536 pixels), and video lamp
Digital camera, focus	Fixed focus
Built-in digital lens data	FOV 53° × 41°
Digital camera, aspect ratio	4:3
Digital camera, image frequency	15–30 Hz auto exposure time
Digital camera, color depth	24 bits on a GretagMacBeth ColorCheckerChart with an illumination of 10 lux
<b>Laser pointer</b>	
Laser	Activated by dedicated button
Laser alignment	Position is automatic displayed on the IR image
Laser classification	Class 2
Laser type	Semiconductor AlGaInP diode laser
Laser power	1 mW
Laser wavelength	635 nm (red)
<b>Data communication interfaces</b>	
SD Card	One card slot for removable SD memory cards
Audio	Microphone headset connection for voice annotation of images
Audio, connector type	4-pole 3.5 mm jack

USB	<ul style="list-style-type: none"> <li>• USB-A: Connect external USB device (copy to memory stick)</li> <li>• USB Mini-B: Data transfer to and from PC / streaming MPEG-4</li> </ul>
USB, standard	USB 1.1 full speed (12 Mbps)
USB, connector type	<ul style="list-style-type: none"> <li>• USB-A connector</li> <li>• USB Mini-B connector</li> </ul>
<b>Composite video</b>	
Video out	Composite video output
Video, standard	CVBS (ITU-R-BT.470 PAL/SMPTE 170M NTSC)
Video, connector type	4-pole 3.5 mm jack
<b>Power system</b>	
Battery type	Rechargeable Li Ion battery
Battery voltage	7.2 V
Battery capacity	2.2 Ah, at +20°C to +25°C (+68°F to +77°F)
Battery operating time	Approx. 4 hours at +25°C (+77°F) ambient temperature and typical use
Charging system	In camera (AC adapter or 12 V from a vehicle) or 2-bay charger
Charging time	2.5 h to 95% capacity, charging status indicated by LED's
Power management	Automatic shutdown and sleep mode (user selectable)
AC operation	AC adapter, 90-260 VAC input, 12 V output to camera
Start-up time from sleep mode	Instant on
<b>Environmental data</b>	
Operating temperature range	-15°C to +50°C (+5°F to +122°F)
Storage temperature range	-40°C to +70°C (-40°F to +158°F)
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F)
EMC	<ul style="list-style-type: none"> <li>• EN 61000-6-2 (Immunity)</li> <li>• EN 61000-6-3 (Emission)</li> <li>• FCC 47 CFR Part 15 B (Emission)</li> </ul>
Magnetic fields	EN 61 000-4-8, Test level 5 for continuous field (Severe industrial environment)
Encapsulation	Camera housing and lens: IP 54 (IEC 60529)
Bump	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)
Safety	Power supply: EN/UL/CSA 60950-1
<b>Physical data</b>	
Camera weight, incl. battery	0.88 kg (1.94 lb.)
Camera size (L x W x H)	106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward
Tripod mounting	UNC ¼"-20
Material	Polycarbonate + acrylonitrile butadiene styrene (PC-ABS) Thixomold magnesium Thermoplastic elastomer (TPE)
Color	Titanium gray and black with a red contour

#### Scope of delivery

- Hard transport case
- Infrared camera with lens
- Battery (2 ea.)
- Battery charger
- Bluetooth® USB micro adapter
- Calibration certificate
- FLIR QuickReport™ PC software CD-ROM
- Headset
- Memory card with adapter
- Power supply, incl. multi-plugs
- Printed Getting Started Guide
- Printed Important Information Guide
- Sunshield
- USB cable
- User documentation CD-ROM
- Video cable
- Warranty extension card or Registration card

#### Optional Accessories

- 1196961 IR lens f = 30 mm, 15° incl. case
- 1196960 IR lens f = 10 mm, 45° incl. case
- T197215 Close-up 4x (100 µm) incl. case
- T197214 Close-up 2x (50 µm) incl. case
- T197408 Lens 76 mm (6") with case and mounting support for T/B-200/400
- T197412 Lens 4 mm (90°) with case and mounting support for T/B-200/400
- T197000 High temp. option +1200°C/+2192°F for FLIR T/B2XX to T/B4XX and A/SC3XX Series
- 1196398 Battery
- 1196497 Cigarette lighter adapter kit, 12 VDC, 1.2 m/3.9 ft.
- T197667 Battery package

- T197650 2-bay battery charger, incl. power supply with multi plugs
- T910750 Power supply, incl. multi plugs
- 1910475 Adapter, SD memory card to USB
- T910737 Memory card micro-SD with adapters
- 1910423 USB cable Std A <-> Mini-B, 2 m/6.6 ft.
- 1910582 Video cable
- 1196895 Hard transport case for FLIR T/B2XX-4XX
- 1910489 Headset, 3.5 mm plug
- 1124545 Pouch
- 1124544 Neck strap
- 1123970 Sun shield
- T951235 Bluetooth® USB micro adapter
- T199800 One year extended warranty for T-Series
- 1196818 Lens cap camera

#### Optional Software

- T197453 FLIR ResearchIR 1.2
- T197453L5 FLIR ResearchIR 1.2, 5 user licenses
- T197453L10 FLIR ResearchIR 1.2, 10 user licenses
- T197454 FLIR QuickPlot 1.2
- T197454L5 FLIR QuickPlot 1.2, 5 user licenses
- T197454L10 FLIR QuickPlot 1.2, 10 user licenses
- T197717 FLIR Reporter 8.5 SP2, Professional
- T197717L5 FLIR Reporter 8.5 SP2, Professional, 5 user licenses
- T197717L10 FLIR Reporter 8.5 SP2, Professional, 10 user licenses
- T197778 FLIR BuildIR 2.1
- T197778L5 FLIR BuildIR 2.1, 5 user licenses
- T197778L10 FLIR BuildIR 2.1, 10 user licenses

## Optional Accessories

### 1196961; IR lens f = 30 mm, 15° incl. case



General description	
The 15° lens is a popular lens accessory and provides 1.7x magnification compared to the standard lens. Ideal for small or distant targets such as overhead power lines.	
Technical data	
Field of view (FOV)	15° × 11.25°
Minimum focus distance	1.2 m (3.93 ft.)
Focal length	30.38 mm (1.2 in.)
Spatial resolution (IFOV)	1.31 mrad/0.82 mrad
F-number	1.3
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.092 kg (0.203 lb.), incl. two lens caps
Size (L × D)	24 × 58 mm (1.0 × 2.3 in.)
Scope of delivery	
<ul style="list-style-type: none"> <li>• Lens</li> <li>• Lens case</li> </ul>	

v1.02

### 1196960; IR lens f = 10 mm, 45° incl. case



General description	
This wide angle lens has a field of view almost double that of the standard lens. Perfect for wide or tall targets or when working in crowded spaces.	
Technical data	
Field of view (FOV)	45° × 33.8°
Minimum focus distance	0.20 m (0.66 ft.)
Focal length	9.66 mm (0.38 in.)
Spatial resolution (IFOV)	3.93 mrad/2.45 mrad
F-number	1.3
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.105 kg (0.231 lb.), incl. two lens caps
Size (L × D)	38 × 47 mm (1.5 × 1.9 in.)
Scope of delivery	
<ul style="list-style-type: none"> <li>• Lens</li> <li>• Lens case</li> </ul>	

v1.01

### T197215; Close-up 4× (100 μm) incl. case



General description	
For R&D usage or development purposes. As an example looking at PCB's or small electronic components.	
Technical data	
Field of view (FOV)	32 × 24 mm
Magnifying factor	4x
Working distance	79 mm
Depth of field	±2.0 mm
Focal length	73 mm (2.9 in.)
Spatial resolution (IFOV)	160 μm/100 μm
F-number	1.3
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.11 kg (0.24 lb.)
Size (L × D)	35.2 × 55 mm
Scope of delivery	
<ul style="list-style-type: none"> <li>• Lens</li> <li>• Lens case</li> </ul>	

v1.02

### T197214; Close-up 2× (50 μm) incl. case



General description	
For R&D usage or development purposes. As an example looking at PCB's or small electronic components.	
Technical data	
Field of view (FOV)	16 × 12 mm
Magnifying factor	2x
Working distance	33 mm
Depth of field	±0.4 mm
Focal length	37 mm (1.5 in.)
Spatial resolution (IFOV)	80 μm/50 μm
F-number	1.3
Number of lenses	2 (2 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T/B200 and T/B250 and the second piece of data is for T/B360, T/B400 and A320/A325
Weight	0.11 kg (0.24 lb.)
Size (L × D)	35.2 × 55 mm

<b>Scope of delivery</b>	
<ul style="list-style-type: none"> <li>• Lens</li> <li>• Lens case</li> </ul>	v1.03

## T197408; Lens 76 mm (6°) with case and mounting support for T/B-200/400



<b>General description</b>	
A narrow FOV is used in applications where the object that is going to be monitored is remote from the Camera or when the Camera needs to be far away from the object due to for an example high temperatures.	
<b>Technical data</b>	
Field of view (FOV)	6° x 4.5°
Minimum focus distance	4 m (13.11 ft.)
Focal length	76 mm (3.0 in.)
Spatial resolution (IFOV)	0.53 mrad/0.33 mrad
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	When two pieces of data are separated by "/" the first piece of data is for T200, B200, T250 and B250 and the second piece of data is for T360, B360, T400 and B400
Weight	Lens: 0.328 kg (0.723 lb.) Support: 0.099 kg (0.218 lb.)
Size (L x D)	106 x 89 mm (4.17 x 3.48 in.)
<b>Scope of delivery</b>	
<ul style="list-style-type: none"> <li>• Lens</li> <li>• Lens case</li> <li>• Mounting support</li> </ul>	
v1.03	

## T197412; Lens 4 mm (90°) with case and mounting support for T/B-200/400



<b>General description</b>	
A wide angle lens is used when working in confined areas or when a large object area needs to be covered. This lens is also designed for to look in to electrical cabinets down to 1/2" windows	
<b>Technical data</b>	
Field of view (FOV)	90° x 73°
Minimum focus distance	20 mm (0.79 in.)
Focal length	4 mm (0.157 in.)
Spatial resolution (IFOV)	7.9 mrad/4.9 mrad
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	5%

Lens note	When two pieces of data are separated by "/" the first piece of data is for T200, B200, T250 and B250 and the second piece of data is for T360, B360, T400 and B400
Weight	Lens: 0.262 kg (0.578 lb.) Support: 0.053 kg (0.117 lb.)
Size (L x D)	90 x 60 mm (3.54 x 2.36 in.), excluding support
<b>Scope of delivery</b>	
<ul style="list-style-type: none"> <li>• Lens</li> <li>• Lens case</li> <li>• Mounting support</li> </ul>	
v1.03	

## T197000; High temp. option +1200°C/+2192°F for FLIR T/B2XX to T/B4XX and A/SC3XX Series



<b>General description</b>	
For high temperature applications the camera can be calibrated for high temperature ranges.	
<b>Technical data</b>	
Optional object temperature range	Up to +1200°C (+2192°F)
v1.0	

## 1196398; Battery



<b>General description</b>	
High capacity battery for the IR camera.	
<b>Technical data</b>	
Battery type	Rechargeable Li Ion battery
Battery voltage	7.2 V
Battery capacity	2.2 Ah, at +20°C to +25°C (+68°F to +77°F)
Battery note	Approximate lithium content: 1.0 g
Charging time	2.5 h to 95% capacity, charging status indicated by LEDs
Battery weight	0.12 kg (0.26 lb.)
Size (L x W x H)	92 x 41 x 26 mm (3.6 x 1.6 x 1.0 in.)
v1.03	

## 1196497; Cigarette lighter adapter kit, 12 VDC, 1.2 m/3.9 ft.



**General description**

Cable, used to power the camera from the cigarette lighter socket in a car. The cable can also be connected directly to the battery.

Note: This is the same product as p/n 1910490.

**Technical data**

DC operation	12 VDC
Cable length	1.2 m (4.0 ft.)
Color	Black

v1.04

**T197667; Battery package****General description**

A complete battery package consisting of three standard products

**Scope of delivery**

- T197648 Battery kit, see 1196398 - Battery for specifications
- T197650 2-bay charger kit incl Power supply
- T197649 12 VDC Connection cable kit, see 1196497 - 12 VDC connection cable for specifications

v1.0

**T197650; 2-bay battery charger, incl. power supply with multi plugs****General description**

Stand-alone 2-bay battery charger, including power supply with multi plugs.

**Technical data**

AC operation	100–240 VAC, 50/60 Hz, 12 VDC out
Power	2000 mA at 12 VDC
Battery charger size (L × W × H)	80 × 98 × 47 mm (3.2 × 3.9 × 1.8 in.), without battery
Cable length	1.98 m (6.5 ft.)

**Scope of delivery**

- Stand-alone 2-bay battery charger
- Power supply including cable
- EU plug
- UK plug
- US plug
- AU plug

v1.02

**T910750; Power supply, incl. multi plugs****General description**

Combined power supply, including multiple plugs, and battery charger to charge the battery when it is inside or outside of the camera.

**Technical data**

AC operation	100–240 VAC, 50/60 Hz, 12 VDC out
Power	2000 mA at 12 VDC
Cable length	1.98 m (6.5 ft.)

**Scope of delivery**

- Power supply including cable
- EU plug
- UK plug
- US plug
- AU plug

v1.02

**1910475; Adapter, SD memory card to USB****General description**

Adapter, SD memory card to USB.

Easy to install and use; no additional driver installation required for Windows ME, 2000 and XP. Driver included for Windows 98SE.

**Technical data**

Weight	16 g (0.56 oz.)
Size (L × W × H)	74 × 26 × 11 mm (2.9 × 1.0 × 0.4 in.)

v1.01

**T910737; Memory card micro-SD with adapters****General description**

Micro-SD Card for data storage (e.g. images)

**Technical data**

Memory card, size	2 GB
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**Scope of delivery**

- micro-SD
- Adapter to miniSD Card
- Adapter from miniSD Card to SD memory card

v1.02

1910423; USB cable Std A <-> Mini-B, 2 m/6.6 ft.



<b>General description</b>	
This cable is used to connect the infrared camera with a computer, using the USB protocol.	
<b>Technical data</b>	
Weight	60 g (2.1 oz.)
Cable length	1.8 m (5.9 ft.)
Connector	Standard USB-A to USB Mini-B

v1.02

1910582; Video cable



<b>General description</b>	
This cable is used to transfer video signals from the infrared camera to an external monitor, or to a computer featuring an internal video card.	
<b>Technical data</b>	
Cable length	1.9 m (6.2 ft.)
Connector	3.5 mm (four pin) plug to RCA (red, white, yellow)

v1.01

1196895; Hard transport case for FLIR T/B2XX-4XX



<b>General description</b>	
Hard transport case for ThermoCAM™ T Series and FLIR T/BXXX	
<b>Technical data</b>	
Weight	3.1 kg (6.8 lb.)
Size (L x W x H)	475 x 355 x 175 mm (18.7 x 14.0 x 6.9 in.)
Color	Black

v1.01

1910489; Headset, 3.5 mm plug



<b>General description</b>	
Standard headset with 3.5 mm plug	
<b>Technical data</b>	
Audio	Headset including microphone
Audio, connector type	4-pole 3.5 mm jack
<b>Scope of delivery</b>	
<ul style="list-style-type: none"> <li>Headset</li> </ul>	

v1.01

1124545; Pouch



<b>General description</b>	
Pouch, with strap and belt clip, to carry and protect the camera, made in durable nylon.	
<b>Scope of delivery</b>	
<ul style="list-style-type: none"> <li>Pouch</li> <li>Strap</li> <li>Clip</li> </ul>	

v1.02

1124544; Neck strap



<b>General description</b>	
Neck strap to carry the camera.	
<b>Technical data</b>	
Color	Black
<b>Scope of delivery</b>	
<ul style="list-style-type: none"> <li>Neck strap</li> </ul>	

## 1196818; Lens cap camera

## 1123970; Sun shield

**General description**

Sunshield, to increase visibility of the LCD.

**Technical data**

Size (L x W x H) 86 x 61 x 46 mm (3.4 x 2.4 x 1.8 in.)

v1.01

**General description**

Lens cap for the camera

**Technical data**

Weight 6 g (0.2 oz.)  
Color Black

v1.03

## T951235; Bluetooth® USB micro adapter

**General description**

Bluetooth® USB micro adapter for wireless connection between the infrared camera and external Bluetooth equipment.

**Technical data**

Bluetooth USB-A

**Scope of delivery**

- Bluetooth® USB micro adapter

v1.0

## T199800; One year extended warranty for T-Series

**General description**

One year extended warranty for T-Series and B-Series.

**Scope of delivery**

- One year extended warranty for T-Series and B-Series

v1.0

# Optional Software

## T197453; FLIR ResearchIR 1.2



### General description

FLIR ResearchIR is a part of the FLIR R&D software family. It is aimed for more advanced users that need to monitor thermal events that are more agile or transient. FLIR ResearchIR visualizes thermal patterns and enables viewing, pre- & post recording and storing images at high speed. With FLIR ResearchIR it is possible to do post processing of fast thermal events as well as and to use analyze value conditional to start/stop recording.

#### Key features:

- Visualizes thermal patterns
- Possible to view, record and store images at high speed
- Allows for post processing of fast thermal events
- Possibility to generate time-temperature plots
- Possibility to generate profiles from line-tool
- Possible to use analysis value conditional > < to start/stop recording
- Pre- and Post recording
- Unlimited number of analysis functions (spot, line, area)
- Possibility to export all graph objects: image, plot and profile to clipboard or file either as picture or csv-data

#### 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

### Release notes

Version	FLIR ResearchIR 1.2 SP2
New features	<ul style="list-style-type: none"> <li>• --- News in SP2:</li> <li>• Export to *.avi</li> <li>• Support for FLIR SC645 and SC655</li> <li>• Windowing 100, 200 Hz (FLIR SC655 only)</li> <li>• --- News in SP1:</li> <li>• Simplified Chinese language support.</li> <li>• Traditional Chinese language support.</li> <li>• Support for UVC (USB Video Class).</li> <li>• --- News in 1.2:</li> <li>• New license handling. It is now possible to de-activate/activate a program to move programs between computers.</li> <li>• Emissivity calculator.</li> <li>• Line profile.</li> <li>• Cursor on line/line profile.</li> <li>• Plot has been reworked to improve usability.</li> <li>• Export plot data to *.csv/clipboard.</li> <li>• Export profile data to *.csv/clipboard.</li> <li>• Export single image and sequence to *.csv data file.</li> <li>• Export screenshot to file (and copy to clipboard) for plot, profile and image.</li> <li>• Delta measurement added.</li> <li>• Invert palette.</li> <li>• Change palette color distribution.</li> <li>• Added palette preview in palette chooser.</li> <li>• All context menus has been reworked and improved.</li> <li>• Scale control has been redesigned graphically.</li> <li>• Improved usability for adding new tabs and opening images.</li> <li>• Support for more cameras: ThermoCAM™ S65, ThermoVision™ A20 and ThermoVision™ A40.</li> <li>• Windows® 7, 32 and 64-bit support.</li> </ul>

#### Scope of delivery

- FLIR ResearchIR
- Getting Starting Guide

#### System requirements

Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit
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v1.06

## T197453L5; FLIR ResearchIR 1.2, 5 user licenses



### General description

FLIR ResearchIR is a part of the FLIR R&D software family. It is aimed for more advanced users that need to monitor thermal events that are more agile or transient. FLIR ResearchIR visualizes thermal patterns and enables viewing, pre- & post recording and storing images at high speed. With FLIR ResearchIR it is possible to do post processing of fast thermal events as well as and to use analyze value conditional to start/stop recording.

#### Key features:

- Visualizes thermal patterns
- Possible to view, record and store images at high speed
- Allows for post processing of fast thermal events
- Possibility to generate time-temperature plots
- Possibility to generate profiles from line-tool
- Possible to use analysis value conditional > < to start/stop recording
- Pre- and Post recording
- Unlimited number of analysis functions (spot, line, area)
- Possibility to export all graph objects: image, plot and profile to clipboard or file either as picture or csv-data

#### 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

### Release notes

Version	FLIR ResearchIR 1.2 SP2
New features	<ul style="list-style-type: none"> <li>• --- News in SP2:</li> <li>• Export to *.avi</li> <li>• Support for FLIR SC645 and SC655</li> <li>• Windowing 100, 200 Hz (FLIR SC655 only)</li> <li>• --- News in SP1:</li> <li>• Simplified Chinese language support.</li> <li>• Traditional Chinese language support.</li> <li>• Support for UVC (USB Video Class).</li> <li>• --- News in 1.2:</li> <li>• New license handling. It is now possible to de-activate/activate a program to move programs between computers.</li> <li>• Emissivity calculator.</li> <li>• Line profile.</li> <li>• Cursor on line/line profile.</li> <li>• Plot has been reworked to improve usability.</li> <li>• Export plot data to *.csv/clipboard.</li> <li>• Export profile data to *.csv/clipboard.</li> <li>• Export single image and sequence to *.csv data file.</li> <li>• Export screenshot to file (and copy to clipboard) for plot, profile and image.</li> <li>• Delta measurement added.</li> <li>• Invert palette.</li> <li>• Change palette color distribution.</li> <li>• Added palette preview in palette chooser.</li> <li>• All context menus has been reworked and improved.</li> <li>• Scale control has been redesigned graphically.</li> <li>• Improved usability for adding new tabs and opening images.</li> <li>• Support for more cameras: ThermoCAM™ S65, ThermoVision™ A20 and ThermoVision™ A40.</li> <li>• Windows® 7, 32 and 64-bit support.</li> </ul>

#### Scope of delivery

- FLIR ResearchIR
- Getting Starting Guide
- 5 user licenses

#### System requirements

Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit
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v1.06

## T197453L10; FLIR ResearchIR 1.2, 10 user licenses



General description	
<p>FLIR ResearchIR is a part of the FLIR R&amp;D software family. It is aimed for more advanced users that need to monitor thermal events that are more agile or transient. FLIR ResearchIR visualizes thermal patterns and enables viewing, pre- &amp; post recording and storing images at high speed. With FLIR ResearchIR it is possible to do post processing of fast thermal events as well as and to use analyze value conditional to start/stop recording.</p>	
<p>Key features:</p> <ul style="list-style-type: none"> <li>Visualizes thermal patterns</li> <li>Possible to view, record and store images at high speed</li> <li>Allows for post processing of fast thermal events</li> <li>Possibility to generate time-temperature plots</li> <li>Possibility to generate profiles from line-tool</li> <li>Possible to use analysis value conditional &gt; &lt; to start/stop recording</li> <li>Pre- and Post recording</li> <li>Unlimited number of analysis functions (spot, line, area)</li> <li>Possibility to export all graph objects: image, plot and profile to clipboard or file either as picture or csv-data</li> </ul>	
<p>Typical applications:</p> <ul style="list-style-type: none"> <li>The transient behavior of a Power supply or one of its components during power up when altering the load or any other parameter</li> <li>Evaluating the transient behavior of a car brake when braking and when altering the material in the brakes</li> </ul>	
Release notes	
Version	FLIR ResearchIR 1.2 SP2
New features	<ul style="list-style-type: none"> <li>--- News in SP2:</li> <li>Export to *.avi</li> <li>Support for FLIR SC645 and SC655</li> <li>Windowing 100, 200 Hz (FLIR SC655 only)</li> <li>--- News in SP1:</li> <li>Simplified Chinese language support.</li> <li>Traditional Chinese language support.</li> <li>Support for UVC (USB Video Class).</li> <li>--- News in 1.2:</li> <li>New license handling. It is now possible to de-activate/activate a program to move programs between computers.</li> <li>Emissivity calculator.</li> <li>Line profile.</li> <li>Cursor on line/line profile.</li> <li>Plot has been reworked to improve usability.</li> <li>Export plot data to *.csv/clipboard.</li> <li>Export profile data to *.csv/clipboard.</li> <li>Export single image and sequence to *.csv data file.</li> <li>Export screenshot to file (and copy to clipboard) for plot, profile and image.</li> <li>Delta measurement added.</li> <li>Invert palette.</li> <li>Change palette color distribution.</li> <li>Added palette preview in palette chooser.</li> <li>All context menus has been reworked and improved.</li> <li>Scale control has been redesigned graphically.</li> <li>Improved usability for adding new tabs and opening images.</li> <li>Support for more cameras: ThermoCAM™ S65, ThermoVision™ A20 and ThermoVision™ A40.</li> <li>Windows® 7, 32 and 64-bit support.</li> </ul>
Scope of delivery	
<ul style="list-style-type: none"> <li>FLIR ResearchIR</li> <li>Getting Starting Guide</li> <li>10 user licenses</li> </ul>	
System requirements	
Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit

v1.06

## T197454; FLIR QuickPlot 1.2



General description	
<p>FLIR QuickPlot is part of the FLIR R&amp;D software family. It is specifically designed for entry- and mid level R&amp;D users that want to get an understanding on thermal events for design, product or process. The software allows the user to visualize thermal patterns, to record and store thermal image sequences, and to create time-temperature plots for further analysis.</p>	
<p>Key features:</p> <ul style="list-style-type: none"> <li>Visualizes thermal patterns</li> <li>Acts as multiple spot pyrometers</li> <li>Non-invasive, Non-contact</li> <li>Possible to record and store image sequences for later retrieval</li> <li>Possibility to generate time-temperature plots</li> </ul>	
<p>Typical applications:</p> <ul style="list-style-type: none"> <li>Monitoring of a cars exterior temperature pattern in climate test chamber</li> <li>Monitoring of surface temperatures on devices when they are subjected to a life cycle test in a climate chamber</li> <li>Monitoring of surface temperature on devices when loading conditions are changed. For an example Power supplies, cooling devices and moving mechanics</li> </ul>	
Release notes	
Version	FLIR QuickPlot 1.2 SP2
New features	<ul style="list-style-type: none"> <li>--- News in SP2:</li> <li>Export to *.avi</li> <li>Support for FLIR SC645 and SC655</li> <li>Windowing 100, 200 Hz (FLIR SC655 only)</li> <li>--- News in SP1:</li> <li>Simplified Chinese language support.</li> <li>Traditional Chinese language support.</li> <li>Support for UVC (USB Video Class).</li> <li>--- News in 1.2:</li> <li>New license handling. It is now possible to de-activate/activate a program to move programs between computers.</li> <li>Emissivity calculator.</li> <li>Plot has been reworked to improve usability.</li> <li>Export plot data to *.csv/clipboard.</li> <li>Export profile data to *.csv/clipboard.</li> <li>Export screenshot to file (and copy to clipboard) for plot, profile and image.</li> <li>Delta measurement added.</li> <li>Circle tool added to FLIR QuickPlot.</li> <li>Invert palette.</li> <li>Change palette color distribution.</li> <li>Added palette preview in palette chooser.</li> <li>All context menus has been reworked and improved.</li> <li>Scale control has been redesigned graphically.</li> <li>Improved usability for adding new tabs and opening images.</li> <li>Support for more cameras: ThermoCAM™ S65, ThermoVision™ A20 and ThermoVision™ A40.</li> <li>Windows® 7, 32 and 64-bit support.</li> </ul>
Scope of delivery	
<ul style="list-style-type: none"> <li>FLIR QuickPlot</li> <li>Getting Starting Guide</li> </ul>	
System requirements	
Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit

v1.07

## T197454L5; FLIR QuickPlot 1.2, 5 user licenses



## General description

FLIR QuickPlot is part of the FLIR R&D software family. It is specifically designed for entry- and mid level R&D users that want to get an understanding on thermal events for design, product or process. The software allows the user to visualize thermal patterns, to record and store thermal image sequences, and to create time-temperature plots for further analysis.

### Key features:

- Visualizes thermal patterns
- Acts as multiple spot pyrometers
- Non-invasive, Non-contact
- Possible to record and store image sequences for later retrieval
- Possibility to generate time-temperature plots

### Typical applications:

- Monitoring of a cars exterior temperature pattern in climate test chamber
- Monitoring of surface temperatures on devices when they are subjected to a life cycle test in an climate chamber
- Monitoring of surface temperature on devices when loading conditions are changed. For an example Power supplies, cooling devices and moving mechanics

## Release notes

Version FLIR QuickPlot 1.2 SP2

### New features

- --- News in SP2:
  - Export to \*.avi
  - Support for FLIR SC645 and SC655
  - Windowing 100, 200 Hz (FLIR SC655 only)
- --- News in SP1:
  - Simplified Chinese language support.
  - Traditional Chinese language support.
  - Support for UVC (USB Video Class).
- --- News in 1.2:
  - New license handling. It is now possible to de-activate/activate a program to move programs between computers.
  - Emissivity calculator.
  - Plot has been reworked to improve usability.
  - Export plot data to \*.csv/clipboard.
  - Export profile data to \*.csv/clipboard.
  - Export screenshot to file (and copy to clipboard) for plot, profile and image.
  - Delta measurement added.
  - Circle tool added to FLIR QuickPlot.
  - Invert palette.
  - Change palette color distribution.
  - Added palette preview in palette chooser.
  - All context menus has been reworked and improved.
  - Scale control has been redesigned graphically.
  - Improved usability for adding new tabs and opening images.
- Support for more cameras: ThermoCAM™ S65, ThermoVision™ A20 and ThermoVision™ A40.
- Windows® 7, 32 and 64-bit support.

### Scope of delivery

- FLIR QuickPlot
- Getting Starting Guide
- 5 user licenses

### System requirements

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

v1.06

## T197454L10; FLIR QuickPlot 1.2, 10 user licenses



## General description

FLIR QuickPlot is part of the FLIR R&D software family. It is specifically designed for entry- and mid level R&D users that want to get an understanding on thermal events for design, product or process. The software allows the user to visualize thermal patterns, to record and store thermal image sequences, and to create time-temperature plots for further analysis.

### Key features:

- Visualizes thermal patterns
- Acts as multiple spot pyrometers
- Non-invasive, Non-contact
- Possible to record and store image sequences for later retrieval
- Possibility to generate time-temperature plots

### Typical applications:

- Monitoring of a cars exterior temperature pattern in climate test chamber
- Monitoring of surface temperatures on devices when they are subjected to a life cycle test in an climate chamber
- Monitoring of surface temperature on devices when loading conditions are changed. For an example Power supplies, cooling devices and moving mechanics

## Release notes

Version FLIR QuickPlot 1.2 SP2

### New features

- --- News in SP2:
  - Export to \*.avi
  - Support for FLIR SC645 and SC655
  - Windowing 100, 200 Hz (FLIR SC655 only)
- --- News in SP1:
  - Simplified Chinese language support.
  - Traditional Chinese language support.
  - Support for UVC (USB Video Class).
- --- News in 1.2:
  - New license handling. It is now possible to de-activate/activate a program to move programs between computers.
  - Emissivity calculator.
  - Plot has been reworked to improve usability.
  - Export plot data to \*.csv/clipboard.
  - Export profile data to \*.csv/clipboard.
  - Export screenshot to file (and copy to clipboard) for plot, profile and image.
  - Delta measurement added.
  - Circle tool added to FLIR QuickPlot.
  - Invert palette.
  - Change palette color distribution.
  - Added palette preview in palette chooser.
  - All context menus has been reworked and improved.
  - Scale control has been redesigned graphically.
  - Improved usability for adding new tabs and opening images.
- Support for more cameras: ThermoCAM™ S65, ThermoVision™ A20 and ThermoVision™ A40.
- Windows® 7, 32 and 64-bit support.

### Scope of delivery

- FLIR QuickPlot
- Getting Starting Guide
- 10 user licenses

### System requirements

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

v1.06

## T197717; FLIR Reporter 8.5 SP2, Professional



## General description

FLIR Reporter Professional is a powerful software for creating compelling and professional, fully customized, easy-to-interpret maintenance reports.

Professional Report Wizard guides you step-by-step in combining all IR inspection data - infrared and visual images, temperature measurements, and text notes - into a professional, easy-to-interpret maintenance report.

### Key features:

- Flexible report page design and layout for customized reports
- Use quick insert function to easily create custom report pages
- Fully integrated with standard Microsoft Word
- Generates reports in standard MS Office format and PDF-format
- Powerful temperature analysis
- Triple Fusion Picture-in-Picture (movable, sizable, scalable)
- Rapid report manager supporting automatic report generation by drag-and-drop
- Trending functionality
- Automatic link to Google™ Maps for images with GPS coordinates
- Automatic summary table for the report
- Fine tune images and make full temperature analysis directly in Microsoft Word
- Spell check
- Create your own formulas including measurement values from images
- Play radiometric sequences directly in the report
- Search functionality to quickly finding images for your report
- Panorama tool for combining several images to a larger image
- Support for GF series IR images
- Auto Update function
- Office 2003 (32-bit), Office 2007 (32-bit) and Office 2010 (32-bit)
- Windows 7 (32 and 64-bit), Windows Vista (32 and 64-bit)
- Support for MeterLink™ data
- \*.docx compatibility

Release notes	
Version	8.5 SP2
New features	<ul style="list-style-type: none"> <li>--- News in SP2:</li> <li>• Office 2010 (32 bit)</li> <li>• Minor bug fixes</li> <li>--- News in SP1:</li> <li>• Full support for Windows® 7</li> <li>• Support for MeterLink™ data</li> <li>• *.docx compatibility</li> </ul>
Scope of delivery	
<ul style="list-style-type: none"> <li>• FLIR Reporter Professional</li> <li>• Getting Starting Guide</li> </ul>	
System requirements	
Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit
v1.02	

## T197717L5; FLIR Reporter 8.5 SP2, Professional, 5 user licenses



General description	
FLIR Reporter Professional is a powerful software for creating compelling and professional, fully customized, easy-to-interpret maintenance reports.	
Professional Report Wizard guides you step-by-step in combining all IR inspection data - infrared and visual images, temperature measurements, and text notes - into a professional, easy-to-interpret maintenance report.	
Key features:	
<ul style="list-style-type: none"> <li>• Flexible report page design and layout for customized reports</li> <li>• Use quick insert function to easily create custom report pages</li> <li>• Fully integrated with standard Microsoft Word</li> <li>• Generates reports in standard MS Office format and PDF-format</li> <li>• Powerful temperature analysis</li> <li>• Triple Fusion Picture-in-Picture (movable, sizable, scalable)</li> <li>• Rapid report manager supporting automatic report generation by drag-and-drop</li> <li>• Trending functionality</li> <li>• Automatic link to Google™ Maps for images with GPS coordinates</li> <li>• Automatic summary table for the report</li> <li>• Fine tune images and make full temperature analysis directly in Microsoft Word</li> <li>• Spell check</li> <li>• Create your own formulas including measurement values from images</li> <li>• Play radiometric sequences directly in the report</li> <li>• Search functionality to quickly finding images for your report</li> <li>• Panorama tool for combining several images to a larger image</li> <li>• Support for GF series IR images</li> <li>• Auto Update function</li> <li>• Office 2003 (32-bit), Office 2007 (32-bit) and Office 2010 (32-bit)</li> <li>• Windows 7 (32 and 64-bit), Windows Vista (32 and 64-bit)</li> <li>• Support for MeterLink™ data</li> <li>• *.docx compatibility</li> </ul>	
Release notes	
Version	8.5 SP2
New features	<ul style="list-style-type: none"> <li>--- News in SP2:</li> <li>• Office 2010 (32 bit)</li> <li>• Minor bug fixes</li> <li>--- News in SP1:</li> <li>• Full support for Windows® 7</li> <li>• Support for MeterLink™ data</li> <li>• *.docx compatibility</li> </ul>
Scope of delivery	
<ul style="list-style-type: none"> <li>• FLIR Reporter Professional</li> <li>• Getting Starting Guide</li> <li>• 10 user licenses</li> </ul>	
System requirements	
Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit
v1.01	

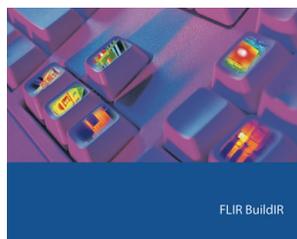
Release notes	
Version	8.5 SP2
New features	<ul style="list-style-type: none"> <li>--- News in SP2:</li> <li>• Office 2010 (32 bit)</li> <li>• Minor bug fixes</li> <li>--- News in SP1:</li> <li>• Full support for Windows® 7</li> <li>• Support for MeterLink™ data</li> <li>• *.docx compatibility</li> </ul>
Scope of delivery	
<ul style="list-style-type: none"> <li>• FLIR Reporter Professional</li> <li>• Getting Starting Guide</li> <li>• 5 user licenses</li> </ul>	
System requirements	
Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit
v1.01	

## T197717L10; FLIR Reporter 8.5 SP2, Professional, 10 user licenses



General description	
FLIR Reporter Professional is a powerful software for creating compelling and professional, fully customized, easy-to-interpret maintenance reports.	
Professional Report Wizard guides you step-by-step in combining all IR inspection data - infrared and visual images, temperature measurements, and text notes - into a professional, easy-to-interpret maintenance report.	
Key features:	
<ul style="list-style-type: none"> <li>• Flexible report page design and layout for customized reports</li> <li>• Use quick insert function to easily create custom report pages</li> <li>• Fully integrated with standard Microsoft Word</li> <li>• Generates reports in standard MS Office format and PDF-format</li> <li>• Powerful temperature analysis</li> <li>• Triple Fusion Picture-in-Picture (movable, sizable, scalable)</li> <li>• Rapid report manager supporting automatic report generation by drag-and-drop</li> <li>• Trending functionality</li> <li>• Automatic link to Google™ Maps for images with GPS coordinates</li> <li>• Automatic summary table for the report</li> <li>• Fine tune images and make full temperature analysis directly in Microsoft Word</li> <li>• Spell check</li> <li>• Create your own formulas including measurement values from images</li> <li>• Play radiometric sequences directly in the report</li> <li>• Search functionality to quickly finding images for your report</li> <li>• Panorama tool for combining several images to a larger image</li> <li>• Support for GF series IR images</li> <li>• Auto Update function</li> <li>• Office 2003 (32-bit), Office 2007 (32-bit) and Office 2010 (32-bit)</li> <li>• Windows 7 (32 and 64-bit), Windows Vista (32 and 64-bit)</li> <li>• Support for MeterLink™ data</li> <li>• *.docx compatibility</li> </ul>	
Release notes	
Version	8.5 SP2
New features	<ul style="list-style-type: none"> <li>--- News in SP2:</li> <li>• Office 2010 (32 bit)</li> <li>• Minor bug fixes</li> <li>--- News in SP1:</li> <li>• Full support for Windows® 7</li> <li>• Support for MeterLink™ data</li> <li>• *.docx compatibility</li> </ul>
Scope of delivery	
<ul style="list-style-type: none"> <li>• FLIR Reporter Professional</li> <li>• Getting Starting Guide</li> <li>• 10 user licenses</li> </ul>	
System requirements	
Operating system	Windows XP, 32-bit Windows Vista, 32-bit Windows Vista, 64-bit Windows 7, 32-bit Windows 7, 64-bit
v1.01	

## T197778; FLIR BuildIR 2.1



General description	
A dedicated and flexible software for advanced analyses of building related applications. Report templates for energy loss / cost savings potential, air infiltration, moisture and insulation deficiencies. Assess scope of damage/problem. Increase Speed & Quality of your reports. Quantify geometrical areas and use the panorama tool to stitch images of large objects together. Makes the work considerably easier for building related analyses - Organize, Analyze, Report	

Key features:

- See, Quantify and Estimate potential energy cost savings.
- Possibility of assessing scope of damage/problem
- Customized report templates for: Air infiltration, Moisture, Insulation deficiencies, and estimation of potential energy savings.
- Panorama functionality: Create automatically one image from many to cover large objects or increase resolution
- Link files.
- Create graph of the conditions during the inspection.
- Support for MeterLink™ data

Release notes

Version	FLIR BuildIR 2.1
New features	<ul style="list-style-type: none"> <li>• Support for Windows® 7</li> <li>• Support for MeterLink™ data</li> <li>• Support for fusion</li> </ul>

Scope of delivery

- FLIR BuildIR

System requirements

Operating system	Windows XP, 32-bit Windows Vista, 32-bit/64-bit Windows 7, 32-bit/64-bit
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v1.0

### T197778L5; FLIR BuildIR 2.1, 5 user licenses



General description

A dedicated and flexible software for advanced analyses of building related applications. Report templates for energy loss / cost savings potential, air infiltration, moisture and insulation deficiencies. Assess scope of damage/problem. Increase Speed & Quality of your reports. Quantify geometrical areas and use the panorama tool to stitch images of large objects together. Makes the work considerably easier for building related analyses - Organize, Analyze, Report

Key features:

- See, Quantify and Estimate potential energy cost savings.
- Possibility of assessing scope of damage/problem
- Customized report templates for: Air infiltration, Moisture, Insulation deficiencies, and estimation of potential energy savings.
- Panorama functionality: Create automatically one image from many to cover large objects or increase resolution
- Link files.
- Create graph of the conditions during the inspection.
- Support for MeterLink™ data

Release notes

Version	FLIR BuildIR 2.1
New features	<ul style="list-style-type: none"> <li>• Support for Windows® 7</li> <li>• Support for MeterLink™ data</li> <li>• Support for fusion</li> </ul>

Scope of delivery

- FLIR BuildIR
- 5 user licenses

System requirements

Operating system	Windows XP, 32-bit Windows Vista, 32-bit/64-bit Windows 7, 32-bit/64-bit
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v1.0

### T197778L10; FLIR BuildIR 2.1, 10 user licenses



General description

A dedicated and flexible software for advanced analyses of building related applications. Report templates for energy loss / cost savings potential, air infiltration, moisture and insulation deficiencies. Assess scope of damage/problem. Increase Speed & Quality of your reports. Quantify geometrical areas and use the panorama tool to stitch images of large objects together. Makes the work considerably easier for building related analyses - Organize, Analyze, Report

Key features:

- See, Quantify and Estimate potential energy cost savings.
- Possibility of assessing scope of damage/problem
- Customized report templates for: Air infiltration, Moisture, Insulation deficiencies, and estimation of potential energy savings.
- Panorama functionality: Create automatically one image from many to cover large objects or increase resolution
- Link files.
- Create graph of the conditions during the inspection.
- Support for MeterLink™ data

Release notes

Version	FLIR BuildIR 2.1
New features	<ul style="list-style-type: none"> <li>• Support for Windows® 7</li> <li>• Support for MeterLink™ data</li> <li>• Support for fusion</li> </ul>

Scope of delivery

- FLIR BuildIR
- 10 user licenses

System requirements

Operating system	Windows XP, 32-bit Windows Vista, 32-bit/64-bit Windows 7, 32-bit/64-bit
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v1.0