



The Global Leader in Infrared Cameras

FLIR T200

INFRARED CAMERA



As a base model in the T-Series, the T200 includes many of the high-quality features of the T family. New and experienced thermographers will find the T200 to be a productive solution for conducting infrared surveys.

- > High Quality 200 x 150 IR Resolution
- > Thermal sensitivity of 100 mK (NETD)
- > Integral 1280 x 1024 visible light camera
- > Video lamp for quality visible images
- > 3.5 inch touch-screen LCD
- > Picture in Picture to show fusion images
- > Interchangeable lens for greater versatility

Affordable T200

FLIR's new T200 infrared camera expands the choices available to thermographers and maintenance professionals who need a powerful solution at an affordable price.

The base model in the FLIR T-series, the T200 infrared camera is an upgradeable solution that can help you find electrical hot spots and faulty equipment. The camera is ideal for professionals looking for innovative ways to boost safety and productivity when conducting routine surveys of electrical systems, switchgear, and electrical components.

Higher models in the T-Series family add sensitivity and resolution features, as well as touch-screen, text, and voice annotation tools.

Easy and Versatile Solution

FLIR's T200 infrared camera weighs less than two pounds, making it a versatile camera for predictive maintenance. The camera's light weight and comfortable form is attributed to a small advanced IR detector and innovative battery design.

Investment Protection

The T200 camera is upgradeable so your investment in technology, software, and training is protected. Simply add higher-model T-Series features as your needs change and grow.

Entry-level and experienced thermographers will benefit from the ease of use and productivity features of the T200 camera.

Find Trouble Fast

The T200 camera's 100 mK thermal sensitivity helps you pinpoint trouble fast.

The camera delivers 200 x 150 IR resolution (30,000 pixels). That's one-third more detail than competing brands with 160 x 120 resolution.

Advanced Optics

The T200 comes with a 25° lens for normal views. An optional 45° lens is available for wide-angle images. And a 15° telephoto lens is available for long-range work. The T-series lenses are interchangeable and easily attach to the camera body. Tilting only the optic, allows intuitive and productive use of the camera for extended periods of time. This is a benefit to organizations that regularly conduct detailed electrical surveys.

Produce Sharp Images

Auto and manual focus features of the T200 allow a wide range of users to take advantage of the camera. This ensures everyone can take sharp thermal images and produce accurate temperature analysis and results. The camera's 2x digital zoom capability helps you zoom in to get close detail in a range of applications.

1.3 Mega Pixel Visible Light Camera

The T200 includes an integral visible light camera to add visual information to reports. On-camera Picture in Picture (PIP) image fusion capability is provided as well so users can see a scalable infrared light image super-imposed in a visible light image.

A standard video-out port enables users to display images on a virtual reality Heads Up Device (HUD). This extends the use of the camera in tight spots and special applications.

T-Series cameras also connect to a standard off-the-shelf video display device for viewing of IR images by a large audience.

Information-Packed Radiometric Images

USB port connection enables convenient image downloading from the T200 to your PC. All the valuable information you collect in the field, such as temperature data, object parameters, and text/image information is saved with the IR image files you download to your PC. This simplifies data collection and allows for quick and efficient processing of information after your field work is done.

The T200 includes QuickReport analysis and reporting software. Optional Reporter software, a Microsoft® Word-based program - is available from FLIR for advanced analyses and report generation.

ThermaCAM is a registered trademark and FLIR Systems is trademark of FLIR Systems.

This product is protected by patents, design patents, patents pending, or design patents pending.

FLIR T200 Technical Specifications

Imaging Performance	
Field of View (FOV) / Close Focus Limit	25° x 19° / 0.4 m (1.31 ft.)
Thermal sensitivity (NETD)	0.10°C @ +30° (+86°F) / 100mK
Detector Type	Focal Plane Array (FPA) microbolometer
IR resolution	200 x 150
Spectral range	7.5 to 13 µm
Digital zoom & pan	1x - 2x continuous/auto & manual focus
IFOV (with 25° lens)	2.18 mRad
Image Presentation	
Image modes	Thermal, Visual, Thermal Fusion
FLIR Fusion	Picture in Picture (PIP) - scalable IR image in visible light image
Display	Built-in touch-screen Liquid Crystal Display (LCD) 3.5"
Video lamp	1000 cd
Visible light camera resolution	1280 x 1024 (1.3 megapixels)
Measurement	
Object temperature ranges	-20°C to +120°C (-4°F to +248°F), 0°C to 350°C (32°F to 662°F), Optional up to +1200°C (+2192°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Measurement modes	5 Spotmeters, 5 Box areas, Isotherm, Auto hot/cold spot
Set-up controls	Mode selector, color palettes (BW, BW inv, Iron, Rain), configure info to be shown in image, local adaptation of units, language, date and time formats, and image gallery
Measurement corrections	Reflected ambient temperature and emissivity correction
Image Storage	
Digital storage/capacity	Removable SD Memory Card/1000+ JPEG images
Image storage mode & formats	IR/visible light, standard JPEG
Laser LocatIR™	
Classification/Type	Class 2/Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)
Power Source	
Battery type	Rechargeable Lithium-Ion battery
Battery operating time	4 hours+
Battery charging	2 bay charging system, 10-16 V input. Charging status indicated by LED's
AC operation	AC adapter, 90-260 VAC input. 12 V output to camera
Voltage	11-16 VDC
Power management	Automatic shut down and sleep mode after settable time
Environmental	
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	95% relative humidity +25°C to +40°C (+77°F to +104°F) non condensing
Water and dust resistant (encapsulation)	IP 54, IEC 360
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-7
Physical Characteristics	
Weight	0.88 kg (1.94 lb.)
Size (L x W x H)	106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with lens pointing forward
Tripod mounting	1/4" - 20
Interfaces	
USB (cable included)	Image transfer to PC
Video output	NTSC Video
Software	
QuickReport™	Included
Reporter™ 8 (Microsoft® Word based)	Optional

Camera includes:

IR camera with F 1.3 25° lens, image frequency 9Hz
Integral visible light camera with lamp
Transport case
Camera Lens Cap
Battery
2-bay battery charger
Video Cable
USB cable Std A <-> Mini B, 2 m/6.6 ft.
SD Memory Card
Sun Shield
Stylus Pen
User documentation CD-ROM, 21 languages
Power supply
Getting Started guide

Interchangeable lenses/options/accessories

Optional Add-on optics, Telephoto lens, 15°
Optional Add-on optics, Wide angle lens, 45°
High temperature option (up to +1200 °C/+2192 °F)
12 volt auto adapter
Hip/Belt mounted camera holster
Neckstrap
USB-A for memory stick



From Left to right: USB mini for PC image download, 4 pole audio for voice annotation, NTSC video, USB-A for memory stick image transfer



The Global Leader in Infrared Cameras

1 800 464 6372
CANADA: 1 800 613 0507

www.goinfrared.com/T200

Specifications subject to change. ©Copyright 2008, FLIR Systems, Inc. All rights reserved. I041908PL