## **\$**FLIR

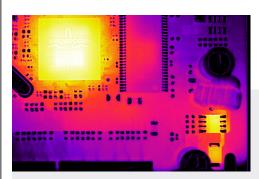


### High-Performance Science Handheld Infrared Camera

# FLIR T800-Series

FLIR T800-Series handheld infrared cameras provide ultimate flexibility and portability for research and science applications in multiple industries including electronics, aerospace, green energy, university research, military testing, and government labs. High-performance features including FLIR UltraMax<sup>®</sup>, MSX<sup>®</sup> (Multi-spectral Dynamic Imaging), and optional Macro Mode provide exceptional image quality and unmatched measurement capabilities. Robust on-board analysis and the ability to record fully radiometric movie files to a removable SD card allow users to take meaningful thermal data in nearly any environment or testing scenario. Users can expand data analysis capabilities with powerful FLIR Research Studio\* software running on a PC, Mac, or Linux. With a streamlined, intuitive user interface and unique feature set, users at all levels can effortlessly record and evaluate thermal data from multiple FLIR cameras and recorded sources simultaneously.

flir.com/T-Series\_Science



#### SUPERIOR MEASUREMENT CAPABILITIES

Accurately measure a wide range of temperatures and maximize the number of pixels on targets regardless of size or distance from the camera

- Acquire reliable temperature data with
  exceptional measurement accuracy†
- Produce crisp, vibrant imagery with FLIR MSX, which extracts scene details from the built-in visual camera and embosses them onto the full thermal image; and UltraMax, which enhances images up to 1.2 MP thermal resolution
- Perform wide-angle and macro imaging to measure small areas accurately without switching lenses using FLIR Macro Mode; or resolve temperatures on the smallest components with an optional 2x macro lens

+Accuracy as good as ±1% / ±1% with T865, see specs for more details



### ULTIMATE FLEXIBILITY AND PORTABILITY

Collect meaningful thermal data in nearly any situation with flexible connectivity - whether the camera is handheld or mounted

- Record radiometric images and movie files directly to a removable SD-card (without the need to be connected to a PC) using on-board CSQ file recording
- Stream fully radiometric data to FLIR Research Studio\* software via USB-C, and analyze and share thermal data easily
- Connect wirelessly to mobile devices using built-in Wi-Fi



SAVE TIME AND EFFORT Eliminate the need for complex test set-ups when performing thermal analysis and start testing sooner

- Acquire compelling thermal data using the intuitive interface and icon-based touchscreen
- Record both thermal and visible images as well as infrared movie sequences
- Reduce the time and effort needed to learn new programs and start testing quicker with FLIR Research Studio's intuitive software platform

\*A free 30-day trial of FLIR Research Studio software can be downloaded from the FLIR Technical Support Center (https://flir.custhelp.com/). Please contact a FLIR representative for pricing and purchase options.

#### SPECIFICATIONS

| ) sec. recording added to still images or video via built-in mic (has speaker) or via Bluetooth®  |   |  |  |
|---|---|--|--|
| Predefined list or touchscreen keyboard   |   |  |  |
| Infrared images only, from touchscreen  |   |  |  |
| Automatic image tagging   |   |  |  |
| Yes; connects to METERLINK-enabled FLIR meters  |   |  |  |
|   |   |  |  |
| Removable SD card   |   |  |  |
| Standard JPEG with measurement data included  |   |  |  |
| 10 sec to 24 hrs  |   |  |  |
| ording and Streaming  |   |  |  |
| Real-time radiometric recording (.csq)  |   |  |  |
| H.264 to memory card  |   |  |  |
| Compressed, over UVC  |   |  |  |
| H.264, MPEG-4 over Wi-Fi; MJPEG over UVC or Wi-Fi   |   |  |  |
| USB 2.0, Bluetooth, Wi-Fi, DisplayPort  |   |  |  |
| DisplayPort   |   |  |  |
| Additional Data   |   |  |  |
| Languages 21  |   |  |  |
|   |   |  |  |
| Li-ion battery, charged in camera or on separate charger  |   |  |  |
| Approximately 4 hours at 25°C (77°F)  |   |  |  |
| -15°C to 50°C (5°F to 122°F)  |   |  |  |
| 25 g (IEC 60068-2-27) / 2 g (IEC 60068-2-6) / IP54  |   |  |  |
| EN/UL/CSA/PSE 60950-1   |   |  |  |
| 1.4 kg (3.1 lb)   |   |  |  |
| 164.3 × 201.3 × 84.1 mm (6.5 × 7.9 × 3.3 in)  |   |  |  |
|   |   |  |  |
| Infrared camera with lens, small viewfinder eyecup,<br>2 rechargeable batteries, battery charger, hard transport case,<br>lanyards, front lens cap, power supplies, printed documentation,<br>SD card (8 GB), cables (USB 2.0 A to USB Type-C, USB Type-C to<br>HDMI, USB Type-C to USB Type-C) |   |  |  |
|   |   |  |  |
|   |   |  |  |
|   | Specifications are subject to change without notice. For the most up-to-date specs,<br>go to www.flir.com |  |  |

#### CORPORATE HEADQUARTERS

FLIR Systems, Inc. 1201 S. Joyce Street Suite C006 Arlington, VA 22202 USA PH: +1 703.682.3400

FLIR Systems, Inc. 27700 SW Parkway Ave. Wilsonville, OR 97070 USA PH: +1 866.477.3687

LATIN AMERICA FLIR Systems Brasil Av. Antonio Bardella, 320 Sorocaba, SP 18085-852 Pracil Brasil PH: +55 15 3238 8070

#### CANADA

FLIR Systems, Ltd. 3430 South Service Road, Suite 103 Burlington, ON L7N 3J5 Canada PH: +1 800.613.0507

www.flir.com NASDAQ: FLIR

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