



**High-Performance Thermal Camera with Viewfinder**

## FLIR T800-Series

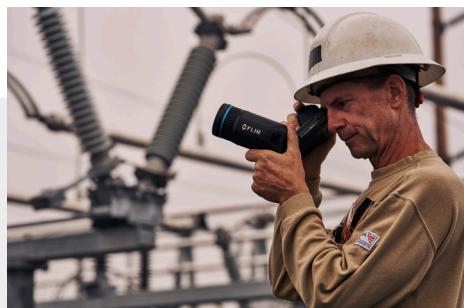
FLIR T800-Series thermal imaging cameras provide a non-contact inspection method with a tilting optic design, making it easy to safely and comfortably assess the condition of critical electrical and mechanical equipment. Advanced features such as 1-Touch Level/Span contrast enhancement and sharp laser-assisted autofocus ensure the camera takes accurate temperature measurements every time. Plus, the T865 offers temperature measurement accuracy as good as  $\pm 1^\circ\text{C}$  /  $\pm 1\%$  to help professionals make decisions quickly. T800-Series cameras are compatible with FLIR AutoCal™ interchangeable lenses, for simplified transition from scanning wide areas with the 42° lens to inspecting distant targets with the 6° telephoto lens. Adding a FLIR T800-Series camera to a condition monitoring/predictive maintenance program can help reduce maintenance costs, improve system efficiency and reliability, and prevent lost production and downtime due to outages.



### IMPROVE WORKFLOW EFFICIENCIES

Collect and manage critical data quickly and easily

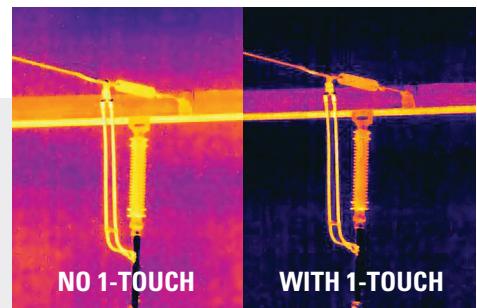
- Develop and download routes to the camera via FLIR Route Creator\* for streamlined inspections of critical assets
- Acquire temperature data and thermal and visual imagery in a logical sequence for faster preventative/predictive maintenance procedures
- Automate data management and reporting through easy transfer of organized files to FLIR Thermal Studio\*



### WORK SAFELY AND COMFORTABLY

Assess the state of equipment from a safe distance, at any angle, or in any lighting condition

- Use the camera in any environment – indoors or out – with a large, vibrant 4-inch color LCD display and an integrated eyepiece viewfinder for working in bright sunlight
- Image targets overhead or down low without strain thanks to the 180° rotating optical block and ergonomic design
- Accurately measure small targets over long distances or in large scenes by pairing the high-resolution IR sensor with the optional 6° telephoto lens



### MAKE CRITICAL DECISIONS QUICKLY

Save time and share data faster to increase in-field efficiency

- Ensure precision measurement with laser-assisted autofocus, 1-Touch Level/Span, and exceptional temperature accuracy†
- Avoid diagnostic errors with industry-leading image clarity from FLIR Vision Processing™, combining MSX®, UltraMax®, and proprietary adaptive filtering algorithms
- Optimize workflows with reporting features such as built-in voice annotation, customizable work folders, and Wi-Fi sync to FLIR mobile apps

\*All new purchases include a three-month trial of FLIR Thermal Studio Pro and

## SPECIFICATIONS

Imaging and Optical Data				Annotations
IR Resolution	T840 464 x 348 (161,472 pixels, 645,888 with UltraMax®)	T860 640 x 480 (307,200 pixels, 1,228,800 with UltraMax®)	T865 640 x 480 (307,200 pixels, 1,228,800 with UltraMax®)	FLIR Inspection Route Enabled in the camera
Detector Pitch	17 µm	12 µm	12 µm	Voice 60 sec. recording added to still images or video via built-in mic (has speaker) or via Bluetooth®
Object Temperature Range	-20°C to 120°C (-4°F to 248°F); 0°C to 650°C (32°F to 1202°F); 300°C to 1500°C (572°F to 2732°F)	-20°C to 120°C (-4°F to 248°F); 0°C to 650°C (32°F to 1202°F); 300°C to 2000°C (572°F to 3632°F)	-40°C to 120°C (-40°F to 248°F); 0°C to 650°C (32°F to 1202°F); 300°C to 2000°C (572°F to 3632°F)	Text Predefined list or touchscreen keyboard
Digital Zoom	1-6x continuous	1-8x continuous	1-8x continuous	Image Sketch Infrared images only, from touchscreen
Macro Mode (24° lens option)	71 µm min. focus distance	50 µm min. focus distance	50 µm min. focus distance	GPS Automatic image tagging
Spotmeter and Area	3 each in live mode	3 each in live mode	10 and 5 in live mode	METERLINK® Yes; connects to METERLINK-enabled FLIR meters
Accuracy	±2°C (±3.6°F); -20°C to 100°C (-4°F to 212°F); ±2%: 100°C to 650°C (212°F to 1202°F), 300°C to 1500°C (572°F to 2732°F)	±2°C (±3.6°F); -20°C to 100°C (-4°F to 212°F); ±2%: 100°C to 650°C (212°F to 1202°F), 300°C to 2000°C (572°F to 3632°F); ±3%: 1800°C to 2000°C (3272°F to 3632°F) with 42° lens	±1°C (±1.8°F); 5°C to 100°C (41°F to 212°F); ±1%: 100°F to 120°C (212°F to 248°F); ±2°C (±3.6°F); -40°C to 100°C (-40°F to 212°F); ±2%: 100°C to 650°C (212°F to 1202°F), 300°C to 2000°C (572°F to 3632°F); ±3%: 1800°C to 2000°C (3272°F to 3632°F) with 42° lens	Image Storage Storage Media Removable SD card
				Image File Format Standard JPEG with measurement data included
				Time Lapse (Infrared) 10 sec to 24 hrs
Video Recording and Streaming				
				Radiometric IR Video Recording Real-time radiometric recording (.csq)
				Non-radiometric IR or Visual Video H.264 to memory card
				Radiometric IR Video Streaming Compressed, over UVC
				Non-radiometric IR Video Streaming H.264, MPEG-4 over Wi-Fi; MJPEG over UVC or Wi-Fi
				Communication Interfaces USB 2.0, Bluetooth, Wi-Fi, DisplayPort
				Video Out DisplayPort
Additional Data				
				Languages 21
				Battery Type Li-ion battery, charged in camera or on separate charger
				Battery Operation Approximately 4 hours at 25°C (77°F)
				Operating Temperature Range -15°C to 50°C (5°F to 122°F)
				Shock/Vibration/Encapsulation 25 g (IEC 60068-2-27) / 2 g (IEC 60068-2-6) / IP54 EN/UL/CSA/PSE 60950-1
				Safety EN/UL/CSA/PSE 60950-1
				Weight (including battery) 1.4 kg (3.1 lb)
				Size (l x w x h, lens vertical) 164.3 x 201.3 x 84.1 mm (6.5 x 7.9 x 3.3 in)
Box Contents				
				Package Contents Infrared camera with lens, small viewfinder eyecup, 2-rechargeable batteries, battery charger, hard transport case, lanyards, front lens cap, power supplies, printed documentation, SD card (8 GB), cables (USB 2.0 A to USB Type-C, USB Type-C to HDMI, USB Type-C to USB Type-C), License card: FLIR Thermal Studio Pro (3-month subscription) + FLIR Route Creator Plugin for Thermal Studio Pro*

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