The FLIR T840 infrared (IR) camera is designed to help electric utility and other thermography professionals comfortably survey equipment both indoors or outdoors and seek out signs of failure all day long. Thanks to an integrated eyepiece viewfinder and a bright 4-inch color LCD display, the T840 makes it easy to conduct inspections outside in bright, challenging lighting conditions. The 180° rotating lens platform and thoughtful ergonomic design allow the T840 to help users diagnose hard-to-reach components in a variety of environments. With advanced on-camera measurement tools such as 1-Touch Level/Span and laser-assisted autofocus, you’ll record accurate temperature measurements every time. Avoid costly power outages and plant shutdowns through regular predictive maintenance routines with this flexible and innovative IR camera.

www.flir.com/T840
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>T840</th>
<th><strong>Measurement and Analysis</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyepiece Viewfinder</td>
<td>Yes</td>
</tr>
<tr>
<td>IR Resolution</td>
<td>464 x 348 (161,472 pixels)</td>
</tr>
<tr>
<td>UltraMax® Resolution</td>
<td>645,888 effective pixels</td>
</tr>
<tr>
<td>Object Temperature Range</td>
<td>-20°C to 120°C (-4°F to 248°F)</td>
</tr>
<tr>
<td>0°C to 650°C (32°F to 1202°F)</td>
<td></td>
</tr>
<tr>
<td>300°C to 1500°C (572°F to 2732°F)</td>
<td></td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>1-6x continuous</td>
</tr>
</tbody>
</table>

**Common Features**

| Detector Type and Pitch | Uncooled microbolometer, 17 µm |
| Thermal Sensitivity/NETD | <30 mK @ 30°C (42° lens) |
| Spectral Range | 7.5 - 14.0 µm |
| Image Frequency | 30 Hz |
| Lens Identification | Automatic |
| F-Number | f/1.1 (42° lens), f/1.3 (24° lens), f/1.5 (14° lens), f/1.35 (6° lens) |
| Focus | Continuous with laser distance meter (LDM), oneshot LDM, one-shot contrast, manual |
| Minimum Focus Distance | 42° lens – 0.15 m |
| 24° lens – 0.15 m; optional macro mode |
| 14° lens – 1.0 m |
| 6° lens – 5.0 m |
| Macro Mode | 24° lens option / 71 µm effective spot size |
| Programmable Buttons | 2 |

**Image Presentation and Modes**

| Display | 4-inch, 640 x 480 pixel touchscreen LCD with auto-rotation |
| Digital Camera | 5 MP, with built-in LED photo/video lamp |
| Color Palettes | Iron, Gray, Rainbow, Arctic, Lava, Rainbow HC |
| Image Modes | Infrared, visual, MSX®, Picture-in-Picture |
| Picture-in-Picture | Resizable and movable |
| UltraMax® | Quadruples pixel count; activated in menu and processed in FLIR Tools |

**Accuracy**

±2°C (±3.6°F) or ±2% of reading

**Spotmeter and Area**

3 each in live mode

**Measurement Presets**

No measurement, center spot, hot spot, cold spot, User Preset 1, User Preset 2

**Laser Pointer**

Yes

**Laser Distance Meter**

Yes, dedicated button

**Annotations**

Voice

60 sec. recording added to still images or video via built-in mic (has speaker) or via Bluetooth

Text

Predefined list or touchscreen keyboard

Image Sketch

From touchscreen, on infrared image only

Distance, Area Measurement

Yes; calculates area inside measurement box in m² or ft²

GPS

Automatic image tagging

**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

Yes, over UVC or Wi-Fi

Non-Radiometric IR Video Streaming

H.264 or MPEG-4 over Wi-Fi

Communication Interfaces

USB 2.0, Bluetooth, Wi-Fi

Video Out

DisplayPort over USB Type-C

**Additional Data**

Battery Type

Li-ion battery, charged in camera or on separate charger

Battery Operating Time

Approximately 4 hours at 25°C (77°F) ambient temperature and typical use

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)

Shock/Vibration/Encapsulation;

Safety

25 g / IEC 60068-2-27, 2 g / IEC 60068-2-6 / IP54; EN/UL/CSA/PSE 60068-1

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