Safely diagnose potential faults with a portable, ergonomic FLIR T500-Series thermal camera. Paired with a FLIR FlexView™ dual field-of-view lens, T500-Series cameras give you the convenience to instantly switch from wide-area to telephoto scanning without changing the lens. Streamline industrial, electrical, and mechanical surveys and repairs with Inspection Route* mode, which runs pre-planned routes created in FLIR Thermal Studio Pro†. Record temperature data and imagery in a logical sequence for more efficient troubleshooting and repair scheduling, then upload images directly to the FLIR Ignite‡ cloud for secure storage, sharing, and importing into Thermal Studio.

**MAKE CRITICAL DECISIONS QUICKLY**
Advanced imaging technology and high sensitivity help professionals make the right call – fast

- Change from wide area scanning to telephoto instantly with the FlexView dual field-of-view lens
- Get industry-leading image clarity from FLIR Vision Processing™ through the power of patented FLIR MSX®, UltraMax®, and proprietary adaptive filtering
- Use the laser distance measurement tool to effortlessly transfer precise object distance data into your reports
- Match the visual camera’s field of view with up to 640 × 480 thermal resolution, delivering 307,200 radiometric non-contact temperature measurement points, or up to 1.2 MP using UltraMax resolution enhancement

**MAXIMIZE EFFICIENCY, SAFETY, & PERFORMANCE**
Assess equipment and prevent component failure safely from any vantage point

- Target overhead components with less strain thanks to the 180° rotating optical block
- Share lenses (wide angle to telephoto) across a fleet of cameras with AutoCal™ optics
- Ensure precision measurement with laser-assisted autofocus and 1-Touch Level/Span
- Make decisions easily with an LCD display that’s 33% brighter and 4x the resolution of comparable cameras

**TOOLS TO MAKE THE JOB EASIER**
Organize findings in the field with built-in navigation and reporting features

- Quickly access menus, folders, and settings using intuitive controls, including rapid response touchscreen and two programmable buttons
- Streamline inspections by downloading survey routes from FLIR Thermal Studio Pro to the cameras*†
- Upload and organize images to FLIR Ignite cloud for secure storage, sharing, and importing to reports‡
- Prepare precise documentation with embedded GPS locations as well as measurement data from METERLINK®-enabled FLIR clamp meters and multimeters

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* FLIR Inspection Route camera firmware required  
† FLIR Route Creator Plugin required  
‡ FLIR Ignite firmware update required for models purchased prior to 2022, download

sales@GlobalTestSupply.com
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>General</th>
<th>T530</th>
<th>T540</th>
<th>T560</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR resolution</td>
<td>320 × 240 (76,800 pixels)</td>
<td>464 × 348 (161,472 pixels)</td>
<td>640 × 480 (307,200 pixels)</td>
</tr>
<tr>
<td>UltraMax® resolution</td>
<td>307,200 effective pixels</td>
<td>645,888 effective pixels</td>
<td>1.2 MP effective pixels</td>
</tr>
<tr>
<td>Object temperature range</td>
<td>-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1220°F) Optional Calibration: 300°C to 1200°C (572°F to 2192°F)</td>
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</tr>
<tr>
<td>Thermal lens options</td>
<td>6°, 14°, 24°, 42°, Dual FOV (14°+24°) athermalized lenses, 2X Macro Lens and Macro Mode options</td>
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</tr>
<tr>
<td>Detector type and pitch</td>
<td>Uncooled microbolometer, 17 µm</td>
<td>Uncooled microbolometer, 12 µm</td>
<td>Uncooled microbolometer, 12 µm</td>
</tr>
<tr>
<td>Digital zoom</td>
<td>1-4x continuous</td>
<td>1-6x continuous</td>
<td>1-8x continuous</td>
</tr>
</tbody>
</table>

**Common Features**

- **Thermal sensitivity/NETD**: <30 mK @ 30°C/86°F (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), f/1.3/f1.3 (14°/24° dual field-of-view lens)
- **Focus**: Continuous with laser distance meter (LDM), one-shot LDM, one-shot contrast, manual
- **Programmable buttons**: 2

**Image Presentation and Modes**

- **Display**: 4", 640 × 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**: Super-resolution process quadruples pixel count; activated in menu and processed in reporting software

**Measurement and Analysis**

- **Accuracy, full range**: ±2°C (±3.8°F) or ±2% of reading
- **Spotmeter and area**: 3 ea. 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
- **Lens protection**: Yes, industrial protective lens window optional accessory

**Annotations**

- **Camera firmware option**: file created in FLIR Thermal Studio Pro using FLIR Route Creator plug-in
- **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
- **METERLINK**: Yes
- **Compass, GPS**: Yes; automatic GPS image tagging

**Communications & Connections**

- **Cloud services (via Wi-Fi)**: FLIR Ignite for direct, secure image uploading, organizing, and sharing
- **METERLINK (via Bluetooth)**: Wireless connection to FLIR meters with METERLINK
- **Image Storage**
  - **Storage**: Removable SD card; onboard FLIR Ignite cloud connectivity with Wi-Fi
  - **Image file format**: Standard JPEG with measurement data included
  - **Timelapse (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; MJPEG over UVC or 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**: Approx. 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)
- **Shock/vibration/encapsulation/safety**: 25 g / IEC 60068-2-27, 2 g / IEC 60068-2-6 / IP 54, EN/UL/CSA/PSE 60950-1
- **Weight/dimensions without lens**: 1.3 kg (2.9 lbs), 140 × 201 × 84 mm (5.5 × 7.9 × 3.3 in)

Specifications are subject to change without notice. For the most up-to-date specifications, visit www.GlobalTestSupply.com.