A NEW TWIST ON THERMAL IMAGING

FLIR T500-Series
Professional Thermal Imaging Camera
Unmatched Autofocus
Whether you choose one-shot or continuous autofocus, the T500-Series’ precise laser-assisted focus ensures you record tack-sharp images, for the most accurate temperature readings.

FLIR T530/T540
Flexibility, Precision, and Advanced Connectivity

With the FLIR T530/T540 Professional Thermal Imaging Cameras, you can:

• Assess equipment and prevent failures safely and comfortably from any vantage point
• Make critical decisions fast based on higher resolution, laser-focused imagery and spot-on temperature measurements
• Analyze images, quickly build reports, and keep customers informed with rapid Wi-Fi uploads, customized work folders, and streamlined reporting features that make your job easier

Intelligent, Interchangeable AutoCal™ Optics
• 24° standard
• 42° wide angle
• 14° telephoto

Up to 464 x 348 True Native Resolution
Put more pixels on the target for more accurate thermal readings - or increase to 645,888 pixels through FLIR UltraMax® image enhancement technology.
FLIR T530/T540 cameras are packed with performance features that make your job easier: a sleek, ergonomic design; a bright, bold screen; razor-sharp interchangeable lenses; and a rapid-response user interface that’s as intuitive as it is beautiful.
Specifications

<table>
<thead>
<tr>
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<th>T530</th>
<th>T540</th>
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<tbody>
<tr>
<td><strong>IR Resolution</strong></td>
<td>320 x 240 (76,800 pixels)</td>
<td>464 x 348 (161,472 pixels)</td>
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<tr>
<td><strong>UltraMax® Resolution</strong></td>
<td>307,200 effective pixels</td>
<td>645,888 effective pixels</td>
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<tr>
<td><strong>Object Temperature Range</strong></td>
<td>-20°C to 120°C (-4°F to 248°F)</td>
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<td></td>
<td>0°C to 650°C (32°F to 122°F)</td>
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<td></td>
<td>Optional Calibration:</td>
<td>300°C to 1200°C (572°F to 2192°F)</td>
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<tr>
<td><strong>Digital Zoom</strong></td>
<td>1-4x continuous</td>
<td>1-6x continuous</td>
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**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)
- **Focus**: Continuous with laser distance meter (LDM), one-shot LDM, one-shot contrast, manual
- **Minimum Focus Distance**: 42° lens – 0.15 m; optional macro mode 14° lens – 1.0 m
- **Macro Mode**: 24° lens option / 103 µm effective spotsize, 24° lens option / 71 µm effective spotsize
- **Programmable Buttons**: 2

**Image Presentation and Modes**
- **Display**: 4”, 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

**Measurement and Analysis**
- **Accuracy**: ±2°C (±3.6°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

**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
- **METERLINK®**: Yes

**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 Video Recording**: 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**: 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)
- **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 / IP 54, EN/UL/CSA/PSE 60950-1
- **Weight/Dimensions**: 1.3 kg (2.9 lbs), 140 x 201 x 84 mm (5.5 x 7.9 x 3.3 in)

**Box Contents**
- **Packaging**: Infrared camera with lens, 2 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)

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com