

# A NEW TWIST ON THERMAL IMAGING



*FLIR* **T500-Series**<sup>™</sup>  
Professional Thermal Imaging Camera





## 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

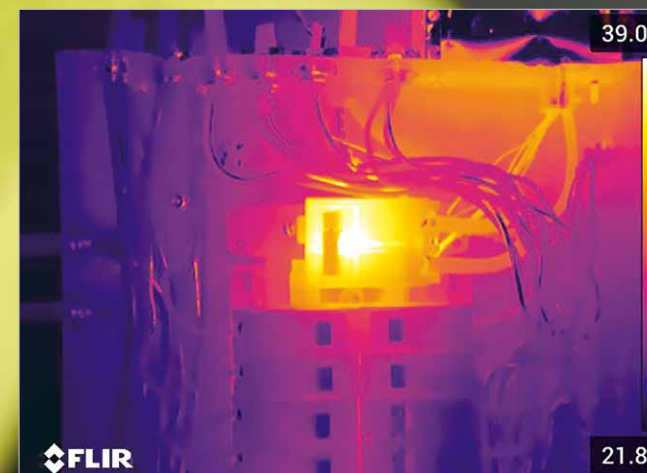
### Intelligent, Interchangeable AutoCal™ Optics

- 24° standard
- 42° wide angle
- 14° telephoto



### 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.



### 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.



Interchangeable AutoCal™  
24°, 42°, and 14° lenses

Speaker plays  
back voice annotation

Two programmable buttons

Separate Autofocus and  
Image Recording buttons

Vibrant, 4" optically-bonded  
PCAP touchscreen

Laser provides distance  
measurement and aids  
in precise autofocus

Scratch-resistant  
Dragontrail™ glass

180° rotating optical block  
and sleek new design

Li-ion battery for  
extended use times

Mic for voice annotation

Bright LED work lights improve  
image clarity in dim areas

5 MP digital camera now  
closer to thermal detector for  
superior MSX® enhancements

# EXCELLENCE IN PERFORMANCE AND DESIGN

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.

FLIR **T500-Series™**  
T530/T540

## Specifications

	T530	T540
IR Resolution	320 x 240 (76,800 pixels)	464 x 348 (161,472 pixels)
UltraMax® Resolution	307,200 effective pixels	645,888 effective pixels
Object Temperature Range	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1202°F) Optional Calibration: 300°C to 1200°C (572°F to 2192°F)	-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)
Digital Zoom	1-4x continuous	1-6x continuous
<b>Common Features</b>		
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 24° 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	
<b>Image Presentation and Modes</b>		
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	
<b>Measurement and Analysis</b>		
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	
<b>Annotations</b>		
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	
<b>Image Storage</b>		
Storage Media	Removable SD card	
Image File Format	Standard JPEG with measurement data included	
Time Lapse (Infrared)	10 sec to 24 hrs	

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)

<b>Video Recording and Streaming</b>	
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
<b>Additional Data</b>	
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 w/o Lens	1.3 kg (2.9 lbs), 140 x 201 x 84 mm (5.5 x 7.9 x 3.3 in)
<b>Box Contents</b>	
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)

FLIR Systems, Inc.  
9 Townsend West  
Nashua, NH 03063  
USA  
PH: +1 866.477.3687

FLIR Systems  
Luxemburgstraat 2  
2321 Meer  
Belgium  
PH: +32 (0) 3665 5100

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

CANADA  
FLIR Systems, Ltd.  
920 Sheldon Court  
Burlington, ON L7L 5K6  
Canada  
PH: +1 800.613.0507

EUROPE  
FLIR Systems UK  
2 Kings Hill Avenue - Kings Hill  
West Malling  
Kent ME19 4AQ  
United Kingdom  
PH: +44 (0)1732 220 011

CHINA  
FLIR Systems Co., Ltd  
Rm 1613-16, Tower II  
Grand Central Plaza  
138 Shatin Rural Committee Rd.  
Shatin, New Territories  
Hong Kong  
PH: +852 2792 8955

LATIN AMERICA  
FLIR Systems Brasil  
Av. Antonio Bardella, 320  
Sorocaba, SP 18085-852  
Brasil  
PH: +55 15 3238 7080

[www.flir.com](http://www.flir.com)  
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