

## FLIR T530 INFRARED CAMERA WITH THE FOLLOWING FEATURES:

- 180° rotating optical block
- Laser-assisted auto-focus
- 320 x 240 (76,800 Pixel) IR resolution
- Object Temperature Ranges  
-20°C to 120°C or 0°C to 650°C
- Laser distance and on-screen area measurement
- Bright LED work light



## GENERAL SPECIFICATIONS:

- IR Resolution: 320 x 240 (76,800 Pixels)
- UltraMax® Resolution: 307,200 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)
- Digital Zoom: 1-4x continuous
- Minimum Focus Distance: 42° lens - 0.15m  
- 24° lens - 0.15m; optional macro mode  
- 14° lens - 1.0m
- Macro mode: 24° lens option /103µm effective spotsize
- Programmable Buttons: 2

## COMMON FEATURES:

- Detector Type and Pitch: Uncooled microbolometer, 17µm
- Thermal Sensitivity/NETD: <30mK @ 30°C (42° lens)
- Spectral Range: 7.5-14.0µm
- 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 later distance meter (LDM), one-shot LDM, one-shot contrast, manual

## IMAGE PRESENTATION & 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 (customers must purchase a FLIR Tools license)

## 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 build 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 m<sup>2</sup> or ft<sup>2</sup>
- GPS: Automatic image tagging
- METERLINK<sup>®</sup>: 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 & 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)
- 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: 1.3kg (2.9 lbs), 140 x 201 x 84 mm (5.5 x 7.9 x 3.3 in)

## CONTENTS INCLUDED WITH RENTAL:

Case, Flir T530 camera with 24° lens, 2 batteries, battery charger, hard transport case, lanyards, front lens cap, power supplies, printed documentation, SD Card (8GB), cables (USB 2.0A to USB Type-C, USB Type-C to HDMI, USB Type-C to USB Type-C)

## SHIPPING CASE DIMENSION:

Approximate Dimensions:  
19"L x 14"W x 7"H [482 x 356 x 178 mm]  
Weight: 10.2 lbs [4.6 kg]

