

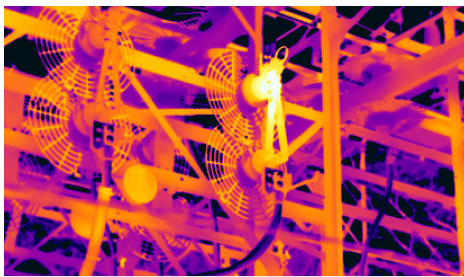
PROFESSIONAL THERMAL IMAGING CAMERA

FLIR T560™



The FLIR T560 thermal camera has the resolution and advanced features needed for professionals to troubleshoot hot spots, find hidden faults, and confirm repairs to power generation, electrical transmission and distribution, and manufacturing equipment. These ergonomic handheld cameras have a 180° rotating lens platform and bright 4" LCD to help inspectors easily and comfortably diagnose electrical or mechanical issues, even in hard-to-reach areas. Advanced on-camera measurement tools such as 1-Touch Level/Span, plus laser-assisted autofocus, ensure accurate temperature measurement recording every time. Add the FLIR Inspection Route camera option to download survey plans from FLIR Thermal Studio Pro* and run them on the T560 camera.

www.flir.com/T560



MAKE CRITICAL DECISIONS QUICKLY

Advanced imaging technology and high sensitivity help professionals make the right call – fast

- Get industry-leading image clarity from FLIR Vision Processing™, through the power of patented FLIR MSX®, UltraMax®, and proprietary adaptive filtering
- Determine accessibility of components for repair at the touch of a button by activating on-screen laser distance measurement
- Scan large areas from a safe distance with 640 × 480 resolution, delivering 307,200 radiometric non-contact temperature measurement points



MAXIMIZE EFFICIENCY, SAFETY, & PERFORMANCE

Assess equipment and prevent component failure safely from any vantage point

- Target overhead components with less strain thanks to 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 surveys by downloading survey plans from FLIR Thermal Studio Pro* to the T560[†]
- Prepare precise documentation with embedded GPS locations, as well as measurement data from METERLiNK®-enabled FLIR clamp meters and multimeters

* FLIR Route Creator Plugin required

[†] FLIR Inspection Route camera firmware require

SPECIFICATIONS

General

IR resolution	640 x 480 (307,200 pixels)
UltraMax® resolution	1.2 MP
Detector pitch	12 µm
Thermal sensitivity/NETD	<30 mK @ 30°C/86°F (42° lens)
Spectral range	7.5 - 14.0 µm
Detector type	Uncooled microbolometer

Imaging and optical

Image frequency	30 Hz
Lens identification	Automatic
F-number	f/1.1 (42° lens), f/1.3 (24° lens), f/1.4 (14° lens)
Macro mode (option with 24° lens)	50 µm min. focus distance
Focus	Continuous with laser distance meter (LDM), one-shot LDM, one-shot contrast, manual
Minimum focus distance	42° lens: 0.15 m (0.49 ft) 24° lens: 0.15 m (0.49 ft) 14° lens: 1 m (3.28 ft)
Digital zoom	1–8x continuous

Measurement and analysis

Object temperature range	-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)
Accuracy, full range	±2°C (±3.6°F) or ±2% of reading
Spotmeter and area	3 in live mode
Measurement presets	None, center spot, hot spot, cold spot, User Preset 1, User Preset 2
Laser distance meter	Yes; dedicated button
On-screen area measurement	Yes
Programmable buttons	2

Annotations

Inspection routing	Camera firmware option; file created in FLIR Thermal Studio Pro using FLIR Route Creator plug-in
Voice	60 sec with built-in or Bluetooth® microphone and speaker on still images and video
Text	Text from predefined list or soft keyboard on touch-screen
Image sketch	Yes, on thermal image only
GPS	Location data automatically added to every still image and first frame in video
METERLiNK®	Yes

Image storage

Storage media	Removable SD card
Image file format	Standard JPEG with measurement data included
Time lapse (infrared)	10 secs to 24 hrs

Video recording and streaming

Radiometric IR video recording	Real-time radiometric recording (.csq)
Non-radiometric IR or visual video recording	H.264 to memory card
Radiometric IR video streaming	Yes, over UVC
Non-radiometric IR video streaming	H.264 or MPEG-4 over Wi-Fi; MJPEG over UVC or Wi-Fi
Video out	DisplayPort over USB Type-C

Additional data

Laser pointer	Class 2, position automatically displayed on the infrared image
Battery type	Li ion battery, charged in camera or on separate charger
Battery operating time	>4 hours at 25°C (77°F), 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 (including battery)	1.3 kg (2.9 lb)
Size (l x w x h, lens vertical)	140 x 201 x 84 mm (5.5 x 7.9 x 3.3 in)



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

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