FLIR T420 & T440

High Performance Infrared Camera with On-board Visual Camera, Touch Screen, Wi-Fi Connectivity, & Interchangeable Lens, plus MSX® Image Enhancement & Auto Orientation

Get maximum flexibility and efficiency out of 320 x 240 thermal imaging from our new T400 line.

Superior Thermal Imaging – *Sharp thermal resolution at 76,800 pixels for solid accuracy from farther away.*

MSX® Enhancement – *Multi-Spectral Dynamic Imaging adds visible spectrum definition to IR images in real time for excellent thermal detail to help you instantly recognize the problem locations.*

Advanced Optics – *The widest array of lens options to fit the view and spot size you need for your application.*

Compass – *Adds camera pointing direction to every image for additional location documentation.*

Wi-Fi Connectivity – *Send images and data to smart phones and tablets (ie. iPhone®, iPad®, iPod touch®, or Android™) to share images and critical information quickly using FLIR Tools Mobile app.*

Accurate Temperature Measurements – *Accuracy calibrated within +/– 2°C or +/– 2% of reading.*

Temperature Range – *measuring up to 1202°F (650°C) when targeting high temperature electrical and mechanical equipment (T440 model).*

Scalable P-i-P – *Overlay thermal images onto visible light photos as an alternative reference.*

METERLiNK® – *Wirelessly transmit vital diagnostic data from clamp and moisture meters directly to the camera for annotating thermal images to further support findings.*

Annotation – *Add voice comments via Bluetooth headset and text notes from the touchscreen keypad; New! T440 has image sketch feature to add circles and pointers on IR/Visual stored images.*

Auto Orientation – *Automatically orients onscreen temperature measurement data whether in portrait or landscape view.*

Includes – *SD Memory Card, 100-260V AC adaptor/charger, two Li-Ion rechargeable batteries, 2-bay battery charger, power supply (with multi-plugs), FLIR Tools software, USB cable, video cable, sun shield, Bluetooth® headset, lens cap, neckstrap, and hard case.*

Wi-Fi Connectivity

Original IR Image on the Left and with MSX™ Enhancement on the Right image

Built-in 3.1MP Digital Camera, LED Lamp, Laser Pointer, Fine Focus Adjust, and Auto focus & Image Capture Button. 120° Rotating Lens with 8X Continuous Zoom
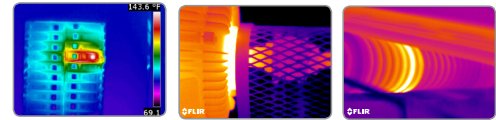
Wireless METERLiNK® Communication via Bluetooth®

Auto Orientation Keeps On-Screen Data Upright

Applications

Utility Market — Utilities worldwide use infrared cameras to locate problems or to detect hot spots and other problems before they turn into costly failures and production downtime or dangerous electrical fires.

Electrical/Mechanical — Scan breakers, bus ducts, motors, belts, and other industrial components for a non-contact view of overheating equipment.

Imaging Specifications

FEATURES	FLIR T420	FLIR T440
Temperature range	-4°F to 1202°F (-20°C to 650°C)	-4°F to 2192°F (-20°C to 1200°C)
Zoom	4X Continuous	8X Continuous
LCD Image Sketch	—	Draw on stored images right on touchscreen
Multi-Spectral Dynamic Imaging (MSX)	IR image with enhanced detail presentation	IR image with enhanced detail presentation
Measurement Presets	7 presets: center spot; hot spot (box max); cold spot (box min); 3 spots; hot spot - spot (box max + spot + delta); hot spot - temperature (box max + ref temp + delta); no measurements	6 presets: center spot; hot spot (box max); cold spot (box min); no measurements; user preset 1; user preset 2
Profile Measurement Analysis	—	Shows a live graph of temperatures across a line profile on the image
COMMON FEATURES		
Frame rate	60Hz	
Field of view/minimum focus distance/FOV Match	25° x 19° / 1.31ft (0.4m) / Field of View Match where Digital Image FOV adapts to the IR lens	
Focus	Manual/Automatic	
Thermal sensitivity (N.E.T.D)	<0.045°C at 30°C	
Detector type - Focal plane array (FPA) uncooled microbolometer	320 x 240 pixels	
Spectral range	7.5 to 13μm	
Compass	Adds camera pointing direction to each image	
Display	Built-in touch-screen 3.5" color LCD	
Image modes	Thermal/Visual/P-i-P (Resizable and movable)/MSX and Thumbnail Gallery	
Image storage	1000 radiometric JPEG images (SD card memory)	
Image annotation	Voice (60 sec); text comments, Sketch, image markers on IR	
Periodic image storage	7 seconds to 24 hours (IR) and 14 seconds to 24 hours(IR and visual)	
Lens	25° (optional 6°, 15°, 45°, 90°, Close up 100μm, 50μm lenses available)	
Video lamp	Bright LED lamp	
Laser pointer classification/type	Class 2/Semiconductor AlGaInP Diode Laser: 1mW/635nm (red)	
Set-up controls	Mode selector, color palettes, configure info to be shown in image, local adaptation of units, language, date and time formats, and image gallery	
Measurement modes	5 Spotmeters, 5 Box areas, Isotherm, Auto hot/cold spot, Delta T	
Measurement correction	Reflected ambient temperature & emissivity correction	
Video recording in-camera and video streaming	Non-radiometric IR-video recording (MPEG-4 to memory card), Radiometric IR-video streaming (Full dynamic to PC using USB or Wi-Fi), and Non-radiometric IR-video streaming (MPEG-4 using Wi-Fi and uncompressed colorized video using USB)	
Instant Report	Create a Thermographic Inspection report directly in the camera	
Battery type/operating time	Li-Ion/ >4 hours, Display shows battery status	
Charging system	In camera AC adapter/2 bay charging system	
Shock/Vibration	25G, IEC 60068-2-29 / 2G, IEC 60068-2-6	
Dimensions/Weight	4.2x7.9x4.9" (106x201x125mm)/1.94lbs (0.88kg), including battery	
2-5-10 Warranty	When the camera is registered within 60 days: 2 years on Parts/Labor for the Camera; 5 years of Coverage on Batteries; 10 years of Protection on the IR Detector	

Ordering Information

62103-1101 ....FLIR T420 Thermal Imaging InfraRed Camera (320x240)
62103-1301..FLIR T440 Thermal Imaging InfraRed Camera (320x240)

ACCESSORIES
1196398...Li-Ion Rechargeable Battery
1910490 ....Cigarette Lighter Adapter Kit, 12VDC (1.2m cable)
T197650...2-Bay Battery Charger including Power Supply (multi plugs)
T198495...Camera Pouch Case
T198583...FLIR Tools+ (Scratchcard) 2 Users

CERTIFICATION TRAINING
3300149 ....ITC Level I Certification Training per attendee

5→10←2
Protection

10-Year Detector
Protection
5-Year Battery
2-Year Parts & Labor

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NASDAQ: FLIR