

FLIR T620

High performance thermal imaging with on-board 5MP visual camera, interchangeable lens options with autofocus, and large 4.3" touchscreen LCD

The T620 combines excellent ergonomics with superior image quality, providing the ultimate image clarity and accuracy plus extensive communication possibilities:

Highest IR Resolution in Its Class – Crisp thermal images with 307,200 pixels (640 x 480) for the best detection, pictures, and temperature measurements from long range

New! Field of View (FOV) Match – Option to match the visible camera field of view to the IR FOV for better documentation

New! GPS – Automatically adds location data to images for including in reports (live link in FLIR Tools Reports to Google Maps)

Programmable Button – Provides easy access to favorite functions

Wi-Fi Connectivity – Send images and data to smartphones and tablets and share critical information quickly with the FLIR Tools Mobile for Apple® and Android™, featuring live video streaming and remote control via the mobile device

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

High Temperature Range – measures to 1202°F (650°C) targeting electrical & industrial applications (optional calibration to 2000°C)

Scalable P-i-P and Thermal Fusion – Blend thermal with visible light images on-screen; includes picture-in-picture window sizing

Multiple Measurements – Report all the details with 10 measurement spots, 5 box areas, Delta T temperature differential, isotherm, and auto hot/cold markers

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

Annotation – Add voice comments via Bluetooth headset and text notes from the touchscreen keypad

InstantReport – Create PDF document directly from the camera

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, Bluetooth® headset, lens cap, neckstrap, and hard case



Wi-Fi Connectivity



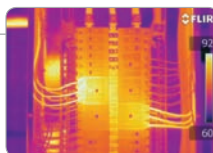
Wireless METERLiNK® Communication via Bluetooth® Transmitting data from a Clamp Meter directly to the camera where you can also create a PDF report from the camera.



Built-in 5MP Digital Camera, LED Lamps, Laser Pointer, Diopter, Auto focus & Image Capture Button and Manual Focus capability. 120° Rotating Lens with 4X Continuous Zoom



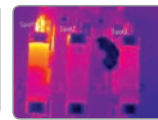
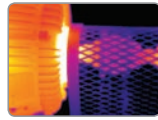
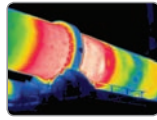
Thermal Fusion is an Infrared image shown above, below or within temperature interval blended onto a digital image



Highest IR Resolution (640 x 480 pixels) for portable thermal imagers plus sharp 4.3" Color Touchscreen LCD



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 Inspections — With FLIR thermal imaging cameras electrical contractors can scan electrical cabinets/panels and components for a non-contact view of conditions.

Imaging Specifications

FEATURES	FLIR T620
Temperature range	-40°F to 1202°F (-40°C to 650°C)
Thermal sensitivity (N.E.T.D)	<0.04°C at 30°C
Frame Rate	30Hz
Field of view/Minimum focus distance/FOV Match	25° x 19° / 0.82ft (0.25m) / Field of View Match where Digital Image FOV adapts to the IR lens
Focus	Manual or Automatic (one shot)
Zoom	4X Continuous
Detector Type - Focal plane array (FPA) uncooled microbolometer	640 x 480 pixels
Spectral range	7.5 to 14µm
Lens	25° (optional 7°, 15°, 45°, 80°, Close up 100, 50µm lenses available)
Display	Built-in touch-screen 4.3" color LCD (800 x 480 pixels)
Image modes	Thermal/Visual/Fusion/P-i-P (Resizable and movable) and Thumbnail Gallery
Automatic image adjustment	Continuous/manual; linear or histogram based; possible to lock max, min or span temperature
Manual image adjustment	Level/span/max/min
Image Storage	1000 radiometric JPEG images (SD card memory)
Image annotation	Voice (60 sec); text comments, Sketch
Periodic image storage	7 seconds to 24 hours (IR) and 14 seconds to 24 hours(IR and visual)
Video Lamp	Bright LED lamp
Laser 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	10 Spotmeters, 5 Box areas, Isotherm, Auto hot/cold spot, Delta T
Measurement correction	Reflected ambient temperature & emissivity correction
GPS	Location data automatically added to every image from built-in GPS
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/ 2.5 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	5.6 x 7.7 x 3.7" (143x196x94mm)/2.87lbs (1.3kg), 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

55901-2302 FLIR T620 Thermal Imaging IR Camera (640x480) with Wi-Fi and standard 25° Lens
 55901-2303 FLIR T620 Thermal Imaging IR Camera (640x480) with Wi-Fi plus 45° Lens

ACCESSORIES

T198055 Li-Ion Rechargeable Battery
 T1910490 Cigarette Lighter Adapter Kit, 12VDC (1.2m cable)
 T198126 2-Bay Battery Charger including Power Supply (multi plugs)
 T911048 Camera Pouch Case
 T197717 FLIR Reporter Professional
 4114887 FLIR ThermaTrak™
 T197914 IR lens, 15° (41.3 mm) with case
 T197922 IR lens, 25° (24.6 mm) with case
 T197915 IR lens, 45° (13.1 mm) with case

CERTIFICATION TRAINING

3300149 ITC Level I Certification Training per attendee



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



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