

Thermal Imaging Camera



OSXL-T620



OSXL-T620 shown smaller than actual size.

- ✓ High Thermal Sensitivity (N.E.T.D)
-0.05°C @ 30°C
- ✓ Wide Temperature Range: -20 to 650°C (-4 to 1202°F) with ±2% or 2°C Accuracy
- ✓ Focal Plane Array Detector with 640 x 480 Pixels Infrared Resolution (307,200 pixels)
- ✓ Interchangeable Lens with 4X Continuous Zoom
- ✓ Manual/Automatic Focus Camera with Laser Pointer, 109.22 mm (4.3") Multifunction Touch Screen LCD and 120° Swivel Lens
- ✓ Built-In 5 Megapixel Visible Light Digital Camera with Video Lamp
- ✓ Scalable Thermal Fusion and Picture-In-Picture (PIP), Delta T (Differential Temperature), Voice/Text/Sketch Annotation, Infrared Windows Correction, Instant Report, Programmable Button
- ✓ Digital Video Recording and MPEG-4 Video Streaming Over Wi-Fi
- ✓ METERLiNK™ Wireless Communication
- ✓ SD Card Slot for Image Storage (More Than 1000 Radiometric JPEG Images)
- ✓ Includes FLIR Tools Software for Analysis of Radiometric Images



OSXL-T620 front view.

The OSXL-T620 (FLIR T620) has the highest thermal imaging resolution in its class. With 307,200 pixels at 640 x 480, OSXL-T620 (FLIR T620) gives professional thermographers the highest thermal resolution and sensitivity for the best-looking images and most accurate temperature measurements. Coupled with dual 5 megapixel digital cameras, you'll get the sharpest visible light and thermal images you need to create the most effective documentation. See the results jump off the screen.

The OSXL-T620 (FLIR T620) is comfortable with flexible ergonomics. The OSXL-T620 (FLIR T620) is famous for capturing great thermal images high above your head or down near the ground and no longer needs to be a back-breaking, knee-cracking calisthenics routine. With a unique rotating optical block and its interchangeable lenses, the OSXL-T620 (FLIR T620) lets you easily tilt up or down along its 120° range of motion while keeping the touchscreen display right in front of you. See how comfortable and easy it is to "get the shot" from any angle.



iPad® not included.

Use the new FLIRViewer application for iPad/iPhone/iPod Touch® to import, analyze, manage and share thermal images.

OSXL-T620 (FLIR T620) has the industry-first Wi-Fi connectivity which adds power to analysis, reporting, and sharing. OSXL-T620 (FLIR T620) simplifies your worklife out in the field and in the office by leading the way with forward-thinking Wi-Fi to mobile devices like iPad, iPhone, and iPod Touch. No bulky laptops to lug, cables to connect, or SD cards to swap. Use the new FLIRViewer app to import images from the camera, add more box areas and moveable spots and fine-tune images. Generate comprehensive reports. Additionally you can share critical information immediately with decision makers on-site or by e-mail. See how FLIR Wi-Fi connectivity can help boost your productivity and credibility.

The FLIR viewer Wi-Fi connectivity to mobile devices is an intuitive iPad®/iPhone®/iPod Touch® app for importing, analyzing, managing, and sharing thermal images that allows you to connect wirelessly to OSXL-T620(FLIR T620) camera.

Just download FLIR Viewer from the Apple® Store and start experimenting with the preloaded infrared images. Connect via Wi-Fi to a compatible FLIR camera and import stored or live thermal images to your mobile device instantly. Then use FLIR Viewer to add measurement spots and other data, adjust span and level, change palettes, and create and email reports. It's an efficient way to get critical information to decision makers and make a big impact.

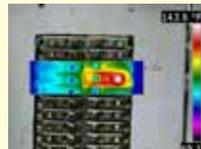
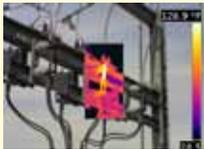
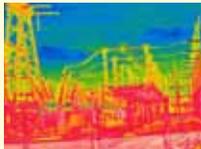
Software Packages

QuickReport™ PC software enables users to organize, analyze and create reports with FLIR cameras.

FLIR BuildIR software package specifically designed to carry out advanced analysis of building structures. It is used to analyze images taken with an infrared camera, and create inspection reports based on these images.

FLIR Reporter Ver. 8.5 is a powerful software for creating compelling and professional, fully customized, easy-to-interpret reports in a standard MS Word document. You can create a report by simply dragging and dropping your images on a desktop icon or using the wizards to guide you step-by-step through the process. The saved document is a 'live' report with full access to the analysis tools and temperature measurement data. The reports can be multi-page and include all of your IR inspection data; infrared and visual images, temperature measurements, voice comments and text notes.

Applications

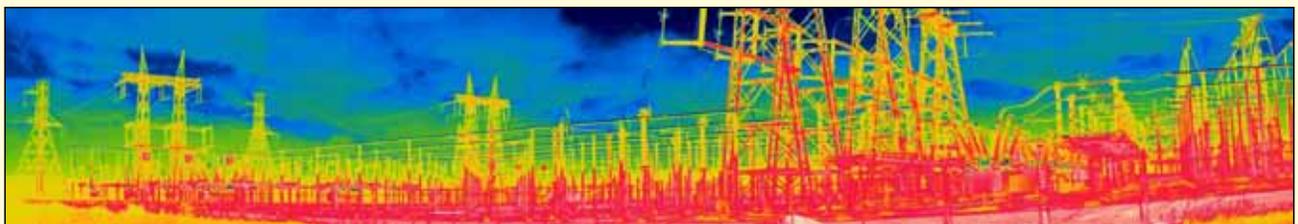


Utility Market—Utilities worldwide use infrared cameras to locate problems or to detect hot spots and other problems before they turn into costly failures and production downtime or dangerous electrical fires.

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

Panorama Function

This unique function allows you to conveniently piece together normal sized images to create one large image for a wide angle view of the area being measured by using FLIR BuildIR or Reporter Software package





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SPECIFICATIONS

Temperature Range: -20 to 650°C (-4 to 1202°F)

Image Storage: 1000 radiometric JPEG images (SD card memory)

Frame Rate: 30 Hz

Field of View/min Focus Distance: 25° x 19°/0.25 m (9.8")

Focus: Manual/automatic

Thermal Sensitivity (N.E.T.D): <0.05°C at 30°C

Detector Type - Focal Plane Array (FPA) Uncooled

Microbolometer: 640 x 480 pixels

Spectral Range: 7.8 to 14 μm

Display: Built-in touch-screen, 109.22 mm (4.3") color LCD

Image Modes: Thermal/visual/picture-in-picture/fusion

Image Annotation: Voice (60 sec); text comments, sketch

Lens: 25° (optional 15° telephoto, 45° wide angle lenses available)

Video Lamp: Bright LED lamp

Laser Classification/Type: Class 2/Semiconductor AlGaInP

Diode Laser: 1 mW/635 nm (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 and emissivity correction

Battery Type/Operating Time: Li-ion/ >3 hours, display shows battery status (included)

Charging System: In camera AC adaptor/2 bay charging system

Shock: 25G, IEC 68-2-29

Vibration: 2G, IEC 68-2-6

Dimensions: 143 x 195 x 95 mm (5.6 x 7.7 x 3.7")

Weight: 1.3 kg (2.87 lb), including battery



To Order Visit omega.com/osxl-t620 for Pricing and Details

Model No.	Description
OSXL-T620	Thermal imaging infrared camera 640 x 480 resolution/30 Hz

Accessories

Model No.	Description
T197722	Rechargeable battery
T198126	Battery charger including power supply
T910814	AC adaptor charger (110 to 240V, include multiple plugs)
1910490	Cigarette lighter adaptor kit, 12 Vdc [1.2 m (3.9') cable]
T197914	15° telephoto lens
T197915	45° wide angle lens
OSXL-BUILDIRSW	BuildIR software package
OSXL-REPORTER8.5SW	FLIR Reporter 8.5 software, professional

Comes complete with SD memory card, 2 rechargeable batteries, 2-bay battery charger, power supply, Bluetooth headset, USB and video cables, FLIR tools software, tripod adaptor, lens cap, hard carrying case, quick start manual and full operating manual on disk.

Note: Not for export, USA only.

Ordering Example: OSXL-T620, thermal imaging camera.