



# Compact Thermal Imager



## OSXL-I Series



- ✓ Compact Size, Lightweight  
368.5 g (13 oz)
- ✓ -20 to 250°C (-4 to 482°F)
- ✓ Thermal Sensitivity  
<0.1°C @ 25°C
- ✓ Easy-to-Use  
Focus-Free Lens
- ✓ Stores Up to  
5000 JPEG Images
- ✓ 71 mm (2.8") LCD  
Color Display
- ✓ Long Battery Life  
(Lasts Over 4 Hours)
- ✓ Convenient Thumbnail  
Image Gallery
- ✓ Area Min/Max Spot Marker



OSXL-I7 (FLIR i7) front view.



Removable MicroSD memory card.



OSXL-I7 (FLIR i7) display view.

Compact point-and-shoot OSXL-I Series cameras are the most cost-effective choice for getting your new infrared program off to a strong start or arming everyone on your team with the power of thermal imaging. OSXL-I Series cameras provide high-quality thermal images and temperature data to help find wasteful energy

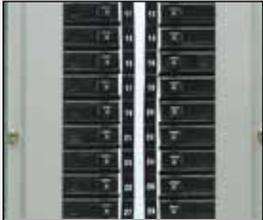
loss, locate moisture damage, document repairs, detect energized equipment, minimize downtime, and more. Much easier, faster, and safer to use than infrared thermometers, and far more accurate, the compact point-and-shoot cameras are the ideal temp gun replacement for your tool box.

**Please Note:**  
Not for export

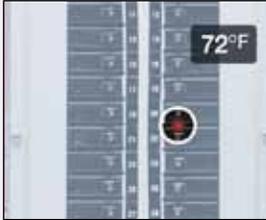
### Why Thermal Imaging?

While spot infrared thermometers present only a single temperature at a single spot, these Thermal Imaging Cameras give you the whole picture, equal up to 19,600 spots OSXL-I7 (FLIR i7)!

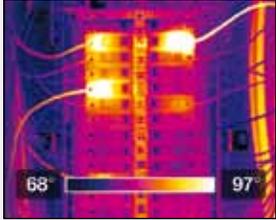
Thermal imaging is the most effective method for finding problems or potential problems in a variety of applications across many fields. If you are new to thermography and need a general purpose thermal imaging camera for troubleshooting, the OSXL-I7 (FLIR i7) is perfect for you! They are fully loaded with thermal imaging functions at a fraction of the price of a professional grade camera.



What the human eye sees

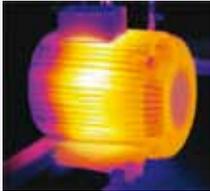


What an infrared thermometer sees

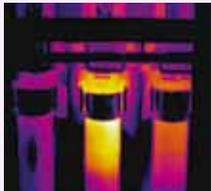


What a thermal imaging camera sees

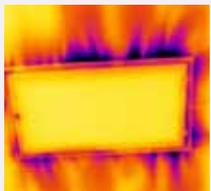
### Applications



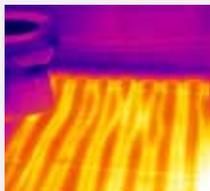
Motor (internal winding problem)



Electrical (hot fuses)



HVAC (energy loss)



Building Inspection (radiant floor)



## SPECIFICATIONS

**Thermal Sensitivity (N.E.T.D):**  
 <0.1°C at 25°C <0.1°C at 25°C

**Field of View/Minimum**

**Focus Distance:** 29° x 29°/0.6 m (2')

**Detector Type - Focal Plane Array (FPA) Uncooled Microbolometer:**

140 x 140 pixels

**Measurement Modes**

**(Maximum/Minimum):** Spot, area

**Isotherm:** Above/below

## Common Specifications

**Temperature Range:**

-20 to 250°C (-4 to 482°F)

**Image Storage:** 5000 images

(microSD card memory)

**Emissivity Table:** 0.1 to 1.0  
 (adjustable)

**Frame Rate:** 9 Hz

**Focus:** Focus free

**Spectral Range:** 7.5 to 13 µm

**Display:** Built-in 71 mm (2.8")  
 color LCD

**Image Modes:** Thermal - palettes  
 (iron, rainbow, and black/white)

## Which OSXL-I (FLIR I) Series Camera is Right for You?

Maybe you're simply looking to replace your old infrared thermometer with a serious thermal imaging tool that can show you so much more and collect reliable temperature data. Or perhaps you need a thermal camera that meets RESNET resolution standards and gives you a wider view for scanning larger areas in finer detail. Whatever your inspections call for, OSXL-I series offers a very practical solution.



**Set-Up Controls:** Date/time, °C/°F,  
 21 languages

**Battery Type:** Lithium ion (included)

**Battery Life:** >4 hours, display shows  
 battery status

**Charging System:** In camera, AC  
 adaptor; 3 hours to 90% capacity

**Shock:** 25G, IEC 68-2-29

**Vibration:** 2G, IEC 68-2-6

**Dimensions:** 223 x 79.75 x 85 mm  
 (8.8 x 3.1 x 3.4")

**Weight:** <365 g (12.9 oz),  
 including battery

**OSXL-I7 (FLIR i7)**  
 140 x 140 (19,600 pixels)  
 29° x 29° FOV

## To Order

Model No.	Description
OSXL-I7	FLIR i7 thermal imaging IR camera 140 x 140 resolution/9 Hz
OSXL-I7-NIST	FLIR i7 thermal imaging IR camera 140 x 140 resolution/9 Hz with NIST calibration

## Accessories

Model No.	Description
T197410	Replacement battery
T910711	Replacement power supply
T911085	Pouch case
T911093	Tool belt
T911025	Car charger
2GB-MSD	Replacement 2 GB microSD card

*Comes complete with 2 GB microSD card with adaptors, lithium-ion rechargeable battery with 100 to 240 Vac adaptor/universal charger, USB Mini-B cable, QuickReport™ PC software, built-in manual lens shutter, hand strap, hard carrying case, quick start manual and full operating manual on disk.*