

# 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.

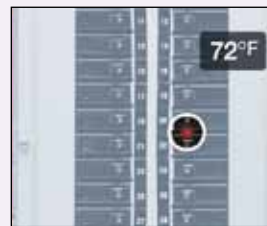
### Why Thermal Imaging?

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)!

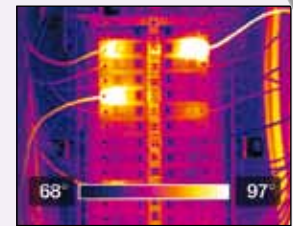
Thermal imaging is the most effective method for finding problems or potential problems in a variety of applications across many fields. If you are new to thermography and need a general purpose thermal imaging camera for troubleshooting, the OSXL-I3, OSXL-I5, OSXL-I7 (FLIR i3, FLIR i5 or FLIR i7) is 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

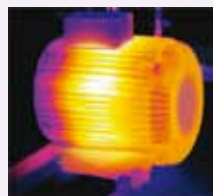


What an infrared  
thermometer sees

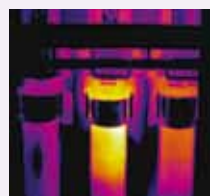


What a thermal imaging  
camera sees

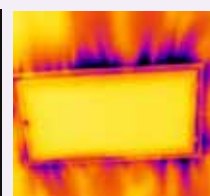
### Applications



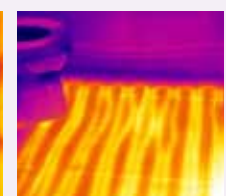
Motor (internal  
winding problem)



Electrical  
(hot fuses)



HVAC  
(energy loss)



Building Inspection  
(radiant floor)



**OSXL-I3 (FLIR i3)**  
60 x 60 (3600 pixels)  
12.5° x 12.5° FOV

**OSXL-I5 (FLIR i5)**  
100 x 100 (10,000 pixels)  
21° x 21° FOV

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

## 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.

### SPECIFICATIONS

#### Thermal Sensitivity (N.E.T.D):

**OSXL-I3:** <0.15°C at 25°C

**OSXL-I5, OSXL-I7:** <0.1°C at 25°C  
<0.1°C at 25°C

#### Field of View/Minimum

##### Focus Distance:

**OSXL-I3:** 12.5° x 12.5°/0.6 m (2')

**OSXL-I5:** 21° x 21°/0.6 m (2')

**OSXL-I7:** 29° x 29°/0.6 m (2')

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

**OSXL-I3:** 60 x 60 pixels

**OSXL-I5:** 100 x 100 pixels

**OSXL-I7:** 140 x 140 pixels

#### Measurement Modes

##### (Maximum/Minimum)

**OSXL-I3, OSXL-I5:** Spot

**OSXL-I7:** Spot, area

**Isotherm for OSXL-I7:** 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)

**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

### To Order Visit [omega.com/osxl-i](http://omega.com/osxl-i) series for Pricing and Details

Model No.	Description
<b>OSXL-I3</b>	FLIR i3 thermal imaging IR camera 60 x 60 resolution/9 Hz
<b>OSXL-I3-NIST</b>	FLIR i3 thermal imaging IR camera 60 x 60 resolution/9 Hz with NIST calibration
<b>OSXL-I5</b>	FLIR i5 thermal imaging IR camera 100 x 100 resolution/9 Hz
<b>OSXL-I5-NIST</b>	FLIR i5 thermal imaging IR camera 100 x 100 resolution/9 Hz with NIST calibration
<b>OSXL-I7</b>	FLIR i7 thermal imaging IR camera 140 x 140 resolution/9 Hz
<b>OSXL-I7-NIST</b>	FLIR i7 thermal imaging IR camera 140 x 140 resolution/9 Hz with NIST calibration

### Accessories

Model No.	Description
<b>T197410</b>	Replacement battery
<b>T910711</b>	Replacement power supply
<b>T911085</b>	Pouch case
<b>T911093</b>	Tool belt
<b>T911025</b>	Car charger
<b>2GB-MSD</b>	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.

**Ordering Example:** OSXL-I3, thermal imaging camera.

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