

NEW FLIR Ex-Series

Introducing the NEW FLIR E4, E5, E6, and E8 Infrared Cameras with MSX®

The First Real Infrared Cameras with Thermal, Visible, and MSX Imaging

Now you can afford the ultimate inspection tool. Gain the competitive advantage and take care of more customers. Blow them away with dramatic MSX thermal images that clearly reveal problems from sources of energy loss, moisture intrusion and structural issues to overheating electrical and mechanical equipment.

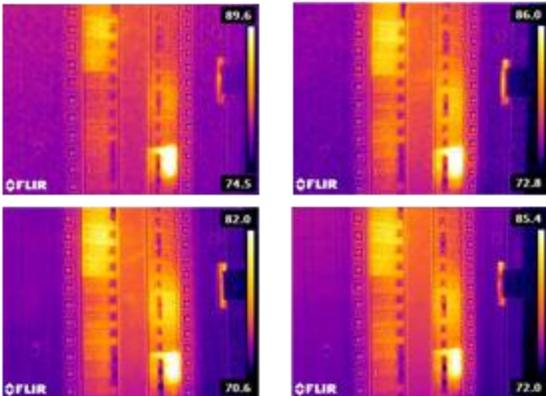
MSX® Thermal Image Enhancement

MSX adds key details from the onboard visible light camera to the entire infrared image in real time. The result: an all-in-one thermal picture with numbers, labels, and other structural features intact so you'll instantly recognize where the heat issue is.

Affordable Resolution Choices

From the 4800-pixel thermal image clarity of the E4 to the E8's incredible 320×240 detector with 76,800 pixels, new FLIR Ex-Series cameras offer a resolution to fit the target size, working distance, and detail required for your application as well as your budget.

[Compare camera resolutions](#)



The Power of One Button

A focus-free lens and simple button navigation to on-screen settings, imaging modes, measurement tools, and saved JPEGS make all four of these cameras amazingly easy to operate, even with just the press of a single gloved thumb.

Removable Battery

Quick-release, tool-type Li-ion battery is easy to remove, recharge and snap back in. Charge in-camera or with the optional charging station to keep you up and running all day.

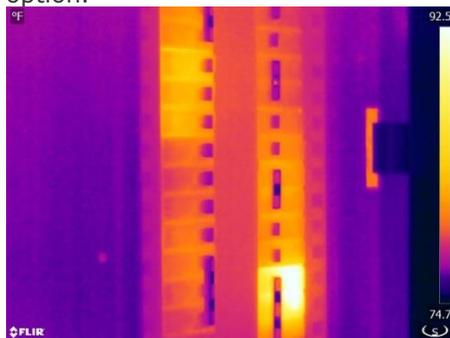


Fast Temperature Measurement Tools

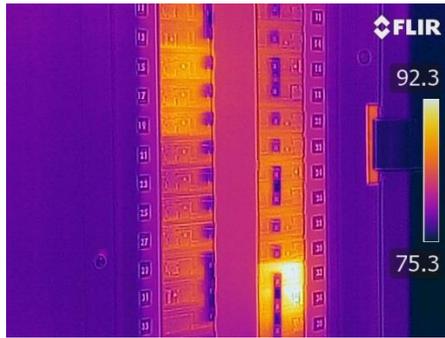
The E4 on up feature an on-screen center spotmeter for measuring temperatures. The E5, E6, and E8 also give you an area box tool with an automatic hot or cold spot that hunts down temperature extremes. And the E6 and E8 provide a blue-below and red-above color alarm to quickly alert you to heat issues.

Multiple Imaging Modes

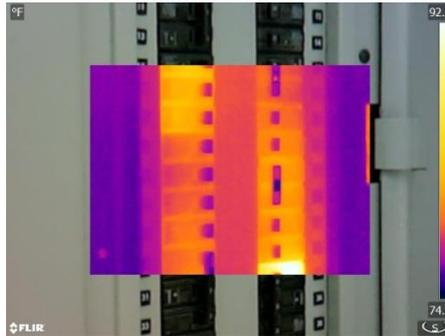
All Ex-Series cameras let you view thermal, visual, and MSX images and store them simultaneously for further analysis using FLIR Tools software. The E6 and E8 also offer Picture-in-Picture that inserts the thermal image over the visible photo as an extra documentation option.



Thermal Only



Thermal with MSX



Picture-in-Picture

Additional E4, E5, E6 & E8 Features:

FLIR Tools reporting and analysis software included

2-10 FLIR Warranty

Temperature range from -4°F to 482°F (-20°C to 250°C)

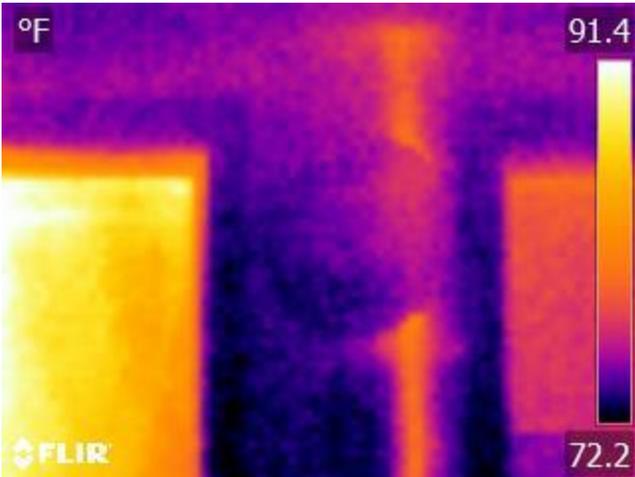
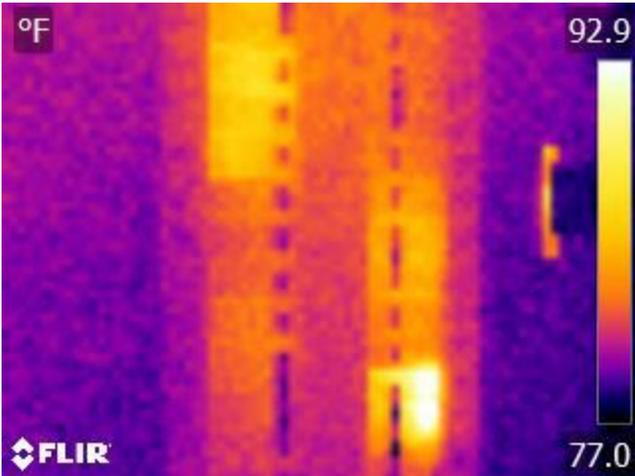
Variable emissivity and reflected temperature parameters for detection accuracy

*Disclaimer: Images are for illustrative purposes only. Specifications are subject to change without notice. Availability of camera models and accessories subject to regional market considerations.

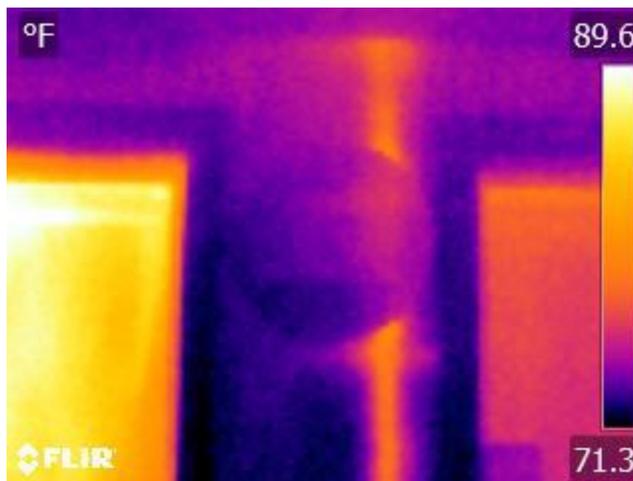
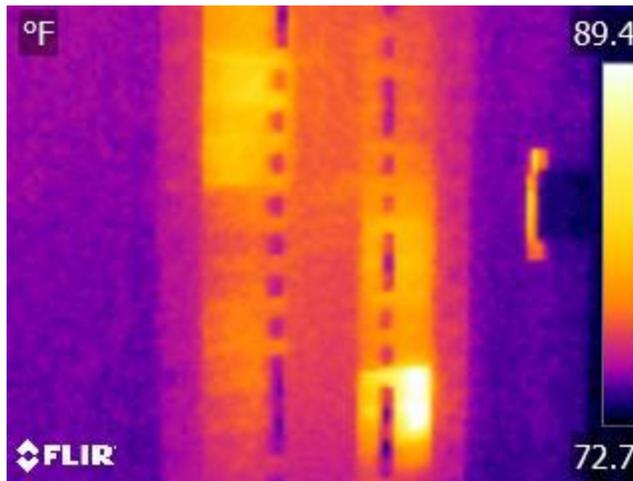
Image Resolution Comparison: FLIR® Ex-Series Infrared Cameras

Not sure which FLIR Ex-Series camera is right for you? Compare resolution and features to find the best fit for your application.

FLIR® E4: 80 × 60 Resolution

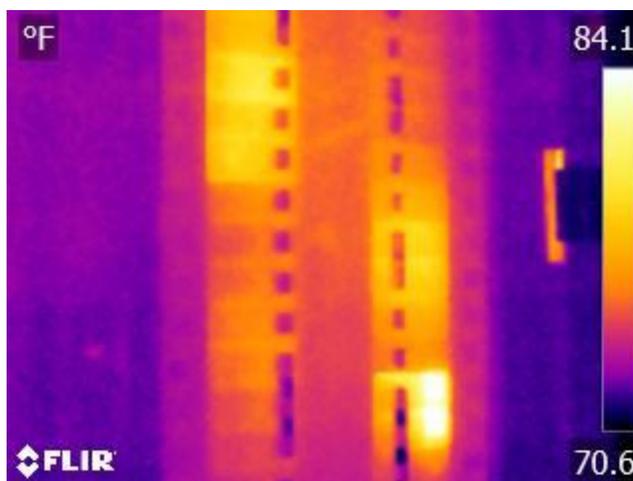


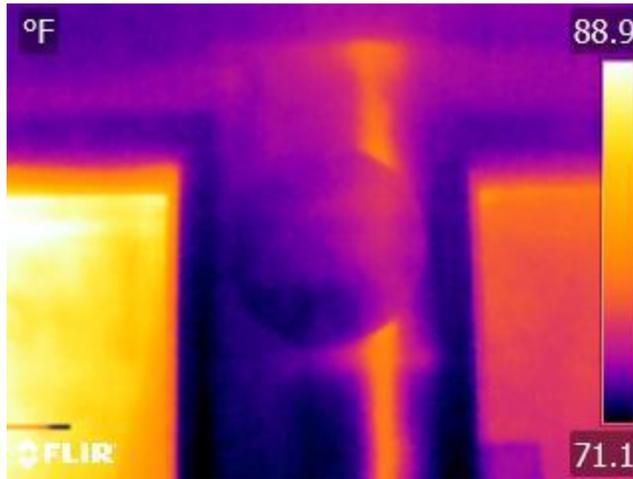
FLIR® E5: Good Resolution: 120 × 90



If you need more resolution, E5 offers more than twice as many infrared detector pixels (10,800) as E4 for improved thermal image clarity. Plus E5 provides increased sensitivity to help bring out slightly finer temperature differences. E5 also offers an area box measurement tool with max/min temperature markers in addition to the center spot.

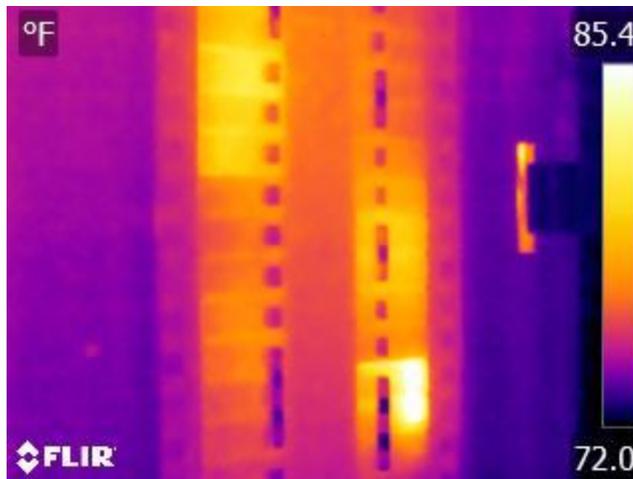
FLIR® E6: Better Resolution: 160 × 120





If you need even higher resolution and more measurement modes, E6 provides 19,200 pixels plus increased sensitivity at $<0.06^{\circ}\text{C}$. In addition to the automatic hot/cold markers of E5, E6 also offers P-i-P and isotherm color alarms in the form of blue highlighted areas for those below a set temperature and red when above.

FLIR® E8: Best Resolution: 320 × 240



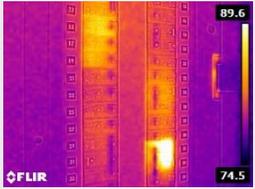
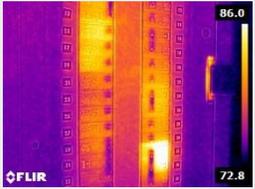
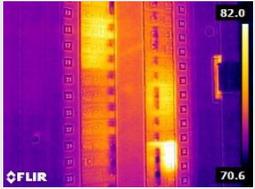
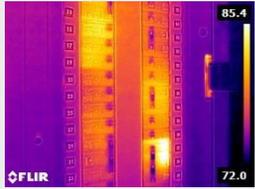
The E8 provides a major jump in thermal imaging resolution with 76,800 pixels — 4 times as many as the E6. The E8's 320 × 240 detector gives you excellent thermal image clarity and puts more temperature measurement spots on

the object you're targeting, allowing you to either inspect ever smaller components from the same distance or the same target from farther away, to help facilitate greater safety benefits and convenience.

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FLIR® Ex-Series Infrared Camera Specifications

Model Number	FLIR E4	FLIR E5	FLIR E6	FLIR E8
				
Imaging and Optical Data				
IR Resolution	80 × 60	120 × 90	160 × 120	320 × 240
MSX Resolution	320 × 240			
Thermal Sensitivity	<0.15°C	<0.10°C	<0.06°C	
Field of View	45° × 34°			
Focus	Focus Free			
Detector	Uncooled Microbolometer			
Screen	3.0 in. 320 × 240 color LCD			
Frame Rate	9 Hz			
Analysis				
Image Modes	IR image, visual image, MSX, thumbnail gallery		IR image, visual image, MSX, picture-in-picture, thumbnail gallery	
Multi Spectral Dynamic Imaging (MSX) 	IR image with enhanced detail presentation			
Picture-in-Picture	N/A		IR area on visual image	
Temperature Range	−4° F to 482°F (−20° to 250°C)			
Accuracy	±2% or 2°C			
Measurement Modes	Spot (center) mode	2 modes: 1 Spot (center); 1 Area Box (Min/Max)	3 modes: 1 Spot (center); 1 Area Box (Min/Max); Isotherm (above/below)	

Alarm	N/A	N/A	Blue below or red above set temperature	
Emissivity Correction	Variable from 0.1 to 1.0			
Set-Up				
Color Palettes	Iron, Rainbow, and Gray			
Set-up Commands	Local adaptation of units, language, date and time formats			
Image Storage				
Storage Capacity	Internal memory store at least 500 sets of images			
Storage Mode	Simultaneous storage of images in IR, visual and MSX			
File Formats	Standard JPEG, 14-bit measurement data included			
Other				
Battery Type / Op Time	~4 hours			
Dimensions / Weight	/ 1.27 lbs (0.575 kg)			
Drop	2 meter / 6.6 ft			
Warranty	10 Year Detector/2 Year Parts & Labor			
Sample Imagery				
Thermal Image Sample				

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Applications for FLIR® Ex-Series Infrared Cameras

See What You've Been Missing!

Only FLIR® offers a complete line of thermal imagers to cover a fast-growing range of applications.

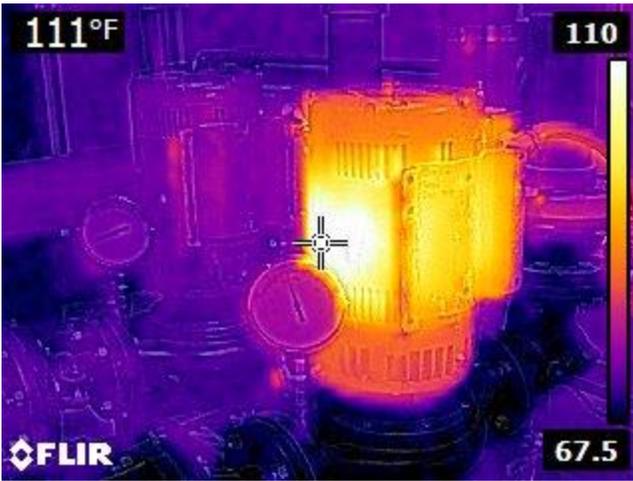
Now, FLIR takes thermal imaging up another innovative notch with MSX® (Multi-Spectral Dynamic Imaging), bringing together the key elements of what you can see with your own eyes and what you can only perceive with an infrared camera to form one striking, definitive image. So there's no more guesswork or messing around with extra photos. For more information on FLIR infrared cameras for building and predictive maintenance applications, browse our customer success stories.



Dry Type Transformer - From FLIR E8



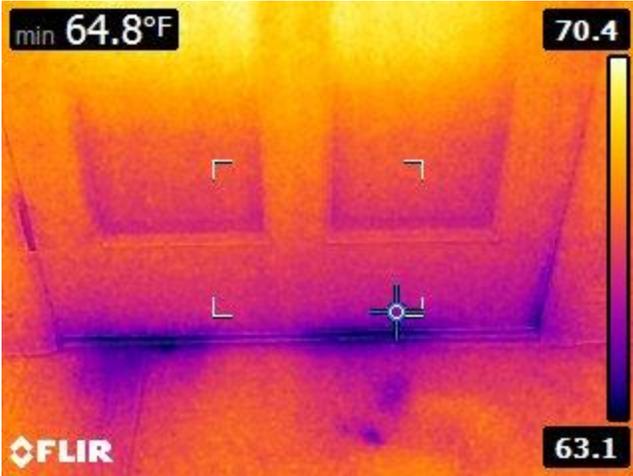
Fuses - From FLIR E5



Pump Motor - From FLIR E4



Outdoor Electrical Transformer - From FLIR E4



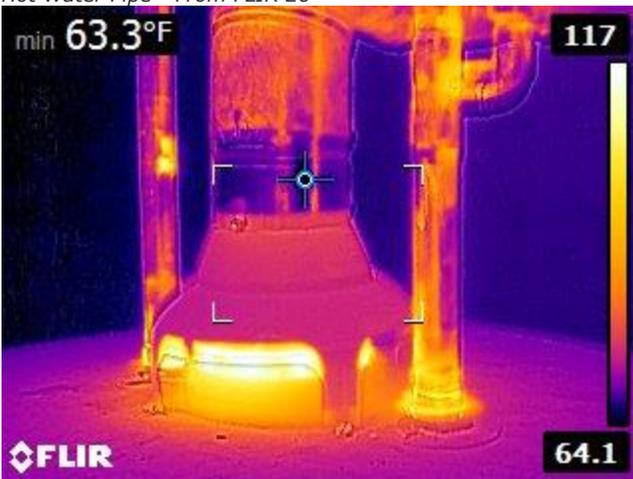
Cold Air Leaking Below a Door - From FLIR E6



Window and Shake Siding - From FLIR E6



Hot Water Pipe - From FLIR E6



Water Heater - From FLIR E8