1GB MicroSD card and USB ports for easy image and video transfer

FLIR i-Series Standard Features

- *Hi-Res Visible Camera*
- *Fusion Picture-in-Picture*
- *Built-in illuminator lamps*
- *2% Temperature Measurement Accuracy*
- *3.5" Color LCD*
- *Thumbnail Image Gallery*
- *Rugged, dust-/splash-proof*
- *5hr field-replaceable Li-Ion Battery*
- *1GB MicroSD card*
- *1,000 Radiometric JPEG max*
- *FLIR QuickReport software*
- *Spot (center) Mode*
- *Area (min/max) Mode*
- *Lightweight — only 1.3lbs*

Additional Powerful and Easy to Use Features

- Large 3.5" Color LCD Display
- 100mk (0.1C) thermal sensitivity
- JPEG images preserve valuable embedded temperature data when e-mailed or shared in MS Word-based reports.
- 1GB MicroSD card stores over 1,000 radiometric JPEGs
- Laser LocatIR™ pinpoints exact area being evaluated
- FLIR QuickReport software delivers easy to understand reports
- Capture video via USB
- Free online training through the renowned Infrared Training Center

Legendary FLIR Quality, Unbeatable Price

For over 30 years, FLIR technology has set the standard in the infrared thermal imaging industry. It's our core business. When you choose a FLIR, you are not only buying an infrared camera, you are accessing the industry's best technical support and customer service.

Features	FLIR i40	FLIR i50	FLIR i60
Temperature range	-4°F to 662°F	-4°F to 662°F	-4°F to 662°F
	(-20°C to 350°C)	(-20°C to 350°C)	(-20°C to 350°C)
Image Storage (1GB micro SD card)	1000+ Images	1000+ Images	1000+ Images
Emissivity Table	0.1 to 1.0 (adjustable)	0.1 to 1.0 (adjustable)	0.1 to 1.0 (adjustable)
Imaging Performance / Image Presentation			
Field of view/min focus distance	25° x 25°/0.10m (3.9")	25° x 25°/0.10m (3.9")	25° x 25°/0.10m (3.9")
Thermal sensitivity (N.E.T.D)	<0.1°C at 25°C	<0.1°C at 25°C	<0.1°C at 25°C
IR Resolution (Detector type-Focal plane array (FPA) uncooled microbolometer	14,400 pixels (120 x 120)	19,600 pixels (140 x 140)	32,400 pixels (180 x 180)
Visible Light Camera Resolution	0.6 Megapixels	2.3 Megapixels	2.3 Megapixels
Fusion Picture in Picture (PIP)	Fixed	3 steps	Scalable
Spectral range	7.5 to 13µm	7.5 to 13µm	7.5 to 13µm
Display	3.5" color LCD	3.5" color LCD	3.5" color LCD
Video output	MPEG-4 via USB	MPEG-4 via USB	MPEG-4 via USB
Image Modes	Thermal, Visual	Thermal, Visual	Thermal, Visual
Laser / Classification	—	Yes / Class 2	Yes / Class 2
Built-in Illuminator Lamp	Yes	Yes	Yes
Spot Measurement mode	Yes	Yes	Yes
Area (min/max) Measurement mode	Yes	Yes	Yes
NEW On-Screen Laser Marker Function	—	—	On IR and visual image
Auto Hot/Cold Spot Marker	—	—	Yes
Image format (All models)	Non-proprietary JPEG (requires no special software to view or share)		
Image Controls (All models)	Palettes (Iron, Rainbow, & Black/White), level, span, auto adjust (continuous/manual)		
Set-up controls (All models)	Date/time, info, LCD intensity, power down, and 21 languages		
Battery Type/operating time	Li-Ion/ 5 hours, Display shows battery status		
Dimensions	9.3x3.2x6.9" (235x81x175mm)		
Weight	<1.32lbs (600g), including battery		

Ordering	
FLIR i40	Thermal Imaging InfraRed Camera
FLIR i50	Thermal Imaging InfraRed Camera with Laser
FLIR i60	Thermal Imaging InfraRed Camera with Laser and scalable PIP
Accessories	
1122000	Pouch Case
1196398	Li-Ion Rechargeable Battery
1910399	AC Adapter Charger (110-240V, U.S. Plug)
1910490	Cigarette Lighter Adapter Kit, 12VDC (1.2m cable)
1196474	2-Bay Battery Charger including Power Supply (U.S. plug)
1196700	Reporter 8.3 Software
Certification Training	
3300149	ITC Level 1 Certification Training per attendee

FLIR Systems • 1-800-464-6372 I Canada • 1-800-613-0507 I www.goinfrared.com

Specifications subject to change.

BRO i-SERIES V.FLIR8/08

Powerful Thermal Imaging for Effective Problem Solving

FLIR i60
- *32,400 Pixels (180x180)*
- *Scalable Fusion PIP*
- *Auto Hot/Cold marker*
- *Laser LocatIR™ and Marker*
- *2.3 MP visual resolution*

FLIR i50
- *19,600 Pixels (140x140)*
- *3-step Fusion PIP*
- *Laser LocatIR™ pointer*
- *2.3 MP visual resolution*

FLIR i40
- *14,400 Pixels (120x120)*
- *Fixed Fusion*
- *0.6 MP visual resolution*

Are you responsible for identifying electrical, mechanical, or building envelope problems? A thermal imaging camera from FLIR can reveal problems and prevent costly failures and down time.

Finding an infrared camera for your in-house predictive maintenance program just got easier with the introduction of the new FLIR i-Series. It's armed with class-leading capabilities and it's easy on your budget too. Find out what makes the new FLIR i-Series stand out from the competition:

Whether your challenge is to diagnose an overloaded motor control, identify improper connections on a breaker panel, or ensure that a building's heating and cooling efficiency is not compromised, seeing your infrared image superimposed on a visible light image with FLIR's exclusive scalable FUSION is an invaluable tool.

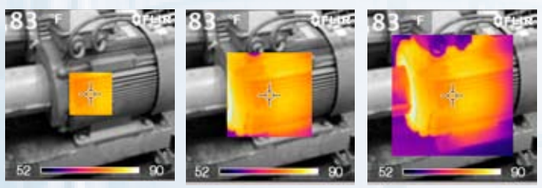
Visual Image Resolution	
i60	the competition
2.3 Megapixels	0.3 Megapixels

Exclusive FLIR FUSION Scalable Picture-in-Picture

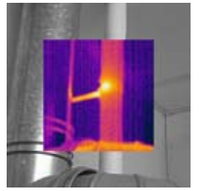
The FLIR i-Series' FUSION picture-in-picture (PIP) takes infrared thermography to a new level by overlaying the rich detail of an infrared image over a hi-res visible light image in real-time, making it easier to identify critical problems more quickly and accurately. And unlike competitors, FLIR's FUSION picture-in-picture is fully scalable, permitting you to resize the thermal image as needed on a large 3.5" color display.

High Resolution Visual Images Deliver High Impact Insights

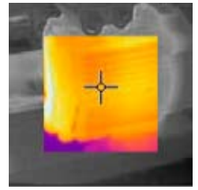
A thermal imager's FUSION capability is only as good as its integrated visual camera. A poor-quality visual image can actually detract from your report findings and may mean additional follow-up readings. The FLIR i50 and FLIR i60s' Laser LocatIR easily identifies your target while the visual camera captures detail-rich reference images with class-leading 2.3 Megapixel resolution. Conclusive reports with high quality images will provide insight on needed electrical upgrades, inefficient plants, or hazardous mechanical conditions.



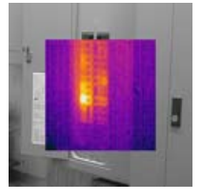
Scalable Fusion picture-in-picture allows the user to resize the thermal image as needed



***HVAC:** Insulation failure*



***Plant:** Overheating Motor*



***Electrical:** Faulty connections*

The FLIR i-Series cameras are the only thermal cameras in their class with a built-in illuminator lamp

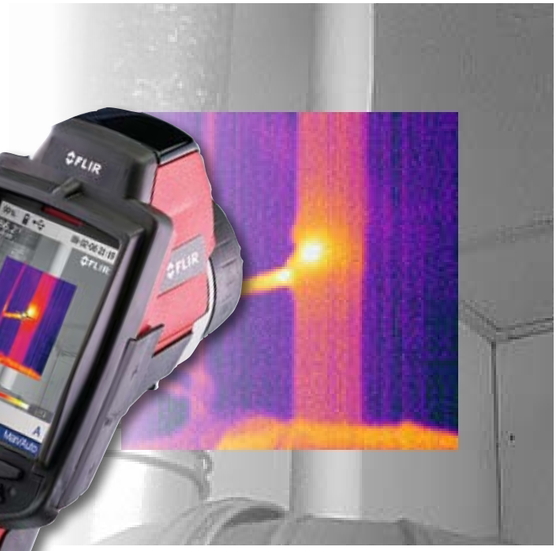
180x180: Pixel to Pixel, the Largest Detector in the Class

Detector-size plays a key role in getting data-packed thermal images. Each additional pixel means more valuable temperature information to isolate problems. No other camera in this class compares to the FLIR i60's 180x180 pixel detector and 2% accuracy. The FLIR i50's 140x140 pixel detector and the FLIR i40's 120x120 pixel detector also offer competitive thermal detection capabilities. For industrial plant managers, electrical Contractors, and building inspectors alike, more infrared resolution means simplified analysis and higher quality findings.

Lightweight Design, Heavyweight Performer

FLIR i-Series imagers weigh only 1.3 pounds (600g) but deliver more advanced functionality than models twice that weight. Not only is it lightweight and easy to store in a belt pouch, its ergonomic grip design and intuitive nav pad make one-handed "point-and-shoot" operation easier. With a 5-hour, field-replaceable Lithium Ion battery, the i-Series keeps up with your demanding schedule. But if you need more battery power, just swap batteries on the go. This is one lightweight that packs a punch.

Thermal Image Resolution	
i60	the competition
32,400 Pixels (180 x 180)	19,200 Pixels (160 x 120)



The FLIR i-Series' Laser LocatIR easily and safely identifies your target

Fuse the Visible with the Invisible for Unparalleled Perspective

Exclusive, Built-in Illuminator Lamp Sheds Light on Poorly Lit Sites

Low light areas like electrical cabinets, storage facilities, or night-time spots will create dark visual images that can hamper your ability to illustrate problems effectively. The FLIR i-Series are the only thermal cameras in their class with a bright, built-in illuminator lamp to ensure quality visual images regardless of job site lighting levels.

Weight	
i60	the competition
1.3 lbs	2.65 lbs

Equipped with everything you need for a rolling start
- > 1GB micro SD Card
- > Li-Ion rechargeable battery
- > Power supply
- > QuickReport software with USB cable
- > Lens cap, hand strap, and heavy duty case

Built-in Illuminator lamp is ideal for taking visual images in low-lit areas