

# Compact InfraRed Cameras

Easy-to-Use Troubleshooting Tool - Weighs only 13oz

- Compact sized, Lightweight - 13oz
- Thermal Sensitivity <math><0.1^{\circ}\text{C}</math> @ 25°C
- Easy-to-Use Focus Free Lens
- Stores up to 5000 JPEG Images
- 2.8" LCD Color Display
- Long Battery Life Lasts >4 Hours
- Convenient Thumbnail Image Gallery
- Area Min/Max Spot Marker



Pocket Sized



Large 2.8" Display

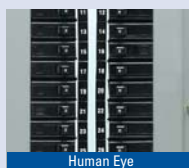


Includes Memory Card

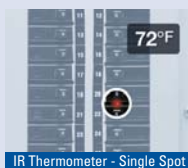


## Features

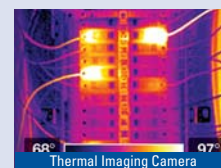
- **IR Image Resolution** —  
FLIR i3 - 3,600 pixels (60 x 60)  
FLIR i5 - 10,000 pixels (100 x 100)  
FLIR i7 - 19,600 pixels (140 x 140)
- **Thermal Sensitivity** —  
FLIR i3 - <math><0.15^{\circ}\text{C}</math> @ 25°C  
FLIR i5/FLIR i7 - <math><0.10^{\circ}\text{C}</math> @ 25°C
- **Optimized Temperature Range** — From -4 to 482°F (-20 to 250°C) for electrical, industrial and building applications
- **± 2% or 2°C Accuracy** — reliable temperature measurement with thermal sensitivity of 0.1°C helps you find problems faster and easier — critical for condition monitoring of thermally sensitive targets
- **Extremely lightweight** — Resulting in less user fatigue (13 ounces)
- **Easy-to-use** — Pocket sized and fully automatic design makes it incredibly easy-to-use even for first time users — perfect for general purpose use
- **Focus free lens** — For convenient viewing
- **High Resolution Color LCD** — 2.8" (71mm)
- **Double Molded Design** — Rugged design with easy grip handle construction meets IP43 dust/ splashproof standards
- **Measurement Modes** —  
All models - Spot (center);  
FLIR i7 only - Area (Min/Max)
- **Thumbnail Image Gallery** — Allows quick search of stored images
- **Li-Ion Rechargeable Battery** — lasts >4hrs continuous use; replaceable
- **Large Memory Storage** — MicroSD card stores up to 5000 Radiometric JPEG format images
- **Includes** — 2G microSD Card with adaptors, Li-Ion rechargeable battery with 100-240V AC adaptor /charger with EU, UK, US and Australian plugs, USB Mini-B cable, QuickReport™ PC software, built-in manual lens shutter, hand strap, and hard case



Human Eye



IR Thermometer - Single Spot



Thermal Imaging Camera

### Why Thermal Imaging?

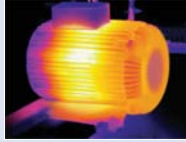
While spot IR thermometers present only a single temperature at a single spot, these Thermal Imaging Cameras give you the whole picture, equal up to 19,600 spots (FLIR i7)! Thermal imaging is the most effective method for finding problems or potential problems in a variety of applications across many fields. If you are new to Thermography and need a general purpose Thermal Imaging Camera for troubleshooting, the 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. They come complete in a hard carrying transport case.



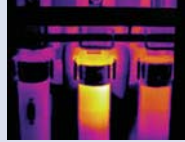
### The Difference is Training

Get the most out of your FLIR IR camera investment with world-class instruction through the Infrared Training Center (ITC), the largest infrared applications training organization in the world. The ITC's Level 1 Infrared Thermography Training Course is geared to the new infrared camera user and focuses on its use for a variety of condition monitoring/predictive maintenance applications. Level 2 and Level 3 certificate courses for more advanced infrared training are also available. Courses are taught by certified instructors with extensive experience in a wide variety of infrared thermography and thermal imaging applications. ITC certifications are recognized by major professional organizations.

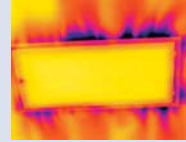
## Applications



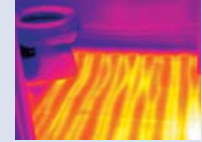
Motor - Internal Winding Problem



Electrical - Hot Fuses



HVAC - Energy Loss



Building Inspection - Radiant Floor

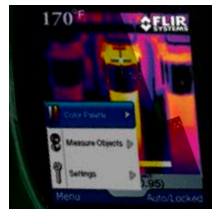
## Specifications

Features	FLIR i3	FLIR i5	FLIR i7
Thermal sensitivity (N.E.T.D)	<0.15°C at 25°C	<0.1°C at 25°C	<0.1°C at 25°C
Field of view/min focus distance	12.5° x 12.5°/0.6m (2 ft.)	21° x 21°/0.6m (2 ft.)	29° x 29°/0.6m (2 ft.)
Detector Type - Focal plane array (FPA) uncooled microbolometer	60 x 60 pixels	100 x 100 pixels	140 x 140 pixels
Measurement modes	Spot	Spot	Spot, Area (Max/Min)
Isotherm	—	—	Above/Below

Common Features	
Temperature range	-4°F to 482°F (-20°C to 250°C)
Image Storage	5000 Images (microSD card memory)
Emissivity	Emissivity Table; 0.1 to 1.0 adjustable
Frame Rate	9Hz
Focus	Focus free
Spectral range	7.5 to 13µm
Display	Built-in 2.8" color LCD
Image modes	Thermal - Palettes (Iron, Rainbow, and Black/White)
Set-up controls	Date/time, °C/°F, 21 languages
Battery Type/operating time	Li-Ion/ >4 hours, Display shows battery status
Charging system	In camera, AC adapter; 3 hours to 90% capacity
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Dimensions/Weight	8.8x3.1x3.4" (223x79x85mm)/<12.9oz. (365g), including battery
Warranty	2/5/10 (Camera-2 years, Battery-5 years, Detector-10 years)



Find Hot Spots Fast!



Easy to Navigate Menu



Includes Hard Case



10-Year Detector Protection  
5-Year Battery  
2-Year Parts & Labor

## Ordering Information

### Part Number

60101-0101	.....FLIR i3 Compact Thermal Imaging InfraRed Camera (60x60)
60101-0201	.....FLIR i5 Compact Thermal Imaging InfraRed Camera (100x100)
60101-0301	.....FLIR i7 Compact Thermal Imaging InfraRed Camera (140x140)

### Accessories

T911085	.....Pouch for FLIR ix-series
T911093	.....Tool Belt
T911025	.....Car Charger

Tel: 1.800.464.6372 | Canada: 1.800.613.0507 | [www.flir.com/thermography](http://www.flir.com/thermography)

Specifications and prices subject to change without notice. Rev. 2/1/12-R1  
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