

## FLIR i-Series

### The Most Affordable Point-and-Shoot Infrared Cameras Just Got Better

More powerful than ever, i-Series improves your options with a strong line-up of fresh choices to fit the level of detail your application requires. Featuring the new i7, now with 36% higher thermal resolution than before and a wider field of view to help you image more clearly, scan more quickly, and store an entire scene in one complete picture.

**Three Best-in-Class Imagers** – FLIR i3 – 3,600 pixels;  
FLIR i5 – 10,000 pixels; FLIR i7 – 19,600 pixels

**Accuracy** – Temperature accuracy calibrated within  $\pm 2^{\circ}\text{C}$  or 2% of reading to meet the standard you can always trust FLIR to deliver

**Compact Design** – Light at 13 ounces (365g) for easy one-handed operation yet tough enough to stow with the rest of your tools

**Optimized Temperature Range** – From  $-4$  to  $482^{\circ}\text{F}$   
( $-20$  to  $250^{\circ}\text{C}$ ) for electrical, industrial and building applications

**Radiometric Images** – Stores up to 5,000 JPEG image files with all temperature measurements right in the camera ready to download for further analysis and custom reports

**Focus Free Lens** – For convenient viewing

**High Resolution Color LCD** – 2.8" (71mm)

**Measurement Modes** – All models - Spot (center); FLIR i7 also features Area (Min/Max)

**Thumbnail Image Gallery** – Allows quick search of stored images

**Li-Ion Rechargeable Battery** – provides >5 hours continuous use, is replaceable, and features an in-camera charging system

**Includes** – 2G miniSD Card with adaptors, Li-Ion rechargeable battery with 100-240V AC adaptor/charger with EU, UK, US and Australian plugs, mini USB cable, FLIR Tools reporting software, built-in manual lens shutter, and hard case



Find Hot Spots Fast!



Focus-free Lens for Point-and-Shoot Simplicity



Excellent 2.8" Color LCD Shows the Whole Scene



Removable SD Card and USB Output for Fast Image Downloads



Includes Hard Case

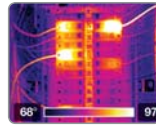
## Why Thermal Imaging?



Human Eye View



IR Thermometer  
Single Spot



Thermal Imaging  
Camera

While spot IR thermometers offer only a single temperature readout, 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 infrared camera for troubleshooting, the FLIR i3, FLIR i5 or FLIR i7 is perfect for you!

## Imaging 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
<b>COMMON FEATURES</b>			
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/ >5 hours, Display shows battery status		
Charging system	In camera, AC adapter; 3 hours to 90% capacity		
Shock/Vibration/Drop / Encapsulation; Safety	25G, IEC 60068-2-29 / 2G, IEC 60068-2-6 / Drop-proof 2m (6.6ft) IP43; UL, CSA, CE, PSE and CCC		
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)		

## Ordering Information

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

### ACCESSORIES

T911085 ..... Pouch for FLIR ix-series  
 T911093 ..... Tool Belt  
 T911025 ..... Car Charger  
 T910711 ..... Power supply/charger with EU, UK, US and AU plugs  
 T197410 ..... Rechargeable Li-Ion Battery  
 T197619 ..... Hard Transport Case



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



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