

FLIR i7 Thermal Imager Specs

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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°F (-20 to 250°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



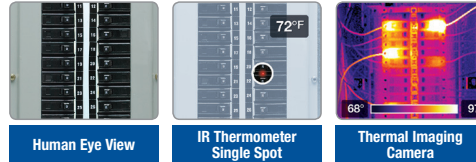
Removable SD Card and USB Output for Fast Image Downloads



Includes Hard Case



Why Thermal Imaging?



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 |
| 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/ >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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