



FLIR i3

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The infrared revolution is here



FLIR Systems has revolutionised conventional thinking about fully functioning, entry-level infrared cameras - the FLIR i3 model delivers outstanding IR technology at a price to suit all budgets.

- Focus free lens for quick and convenient viewing
- Extremely lightweight, 0.34kg
- Long, 5 hours battery life
- 2% high accuracy and thermal sensitivity of 0.15°C
- Large 2.8 in. color LCD with quality images saved on miniSD card



Building: Identify ways to save money on energy costs.
Electrical: Find faults easily-5-20% of industrial fires are caused by electrical faults.
Plumbing: Detect blockages and other plumbing issues in pipes.

FLIR i3 Features

- **High accuracy** - 2% and 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 340g
- **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 LCD** - 2.8" color LCD
- **Double Molded Design** - Rugged design with easy grip handle construction meets IP43 dust/splashproof standards
- **Measurement Modes** - Spot (centre), Area (Min/Max), and Isotherm (above/below) display measurement modes
- **Long Battery Life** - >5 hours continuous operation on a single charge for uninterrupted inspections
- **Large Memory Storage** - MicroSD card stores up to 5000 Radiometric JPEG format images. Each image can be analyzed using the included QuickReport™ PC Software
- **Includes** - 512MB microSD Card, miniSD™ adaptor, Li-Ion rechargeable battery with 90-260V AC adaptor /charger with EU, UK, US and Australian plugs, QuickReport™ software with USB Mini-B cable, built-in manual lens shutter, hand strap, and hard case



IR resolution:
60x60 pixels



Spot, Area and Isotherm
Measurement Modes



Compact sized,
Lightweight: 340g



Thermal Sensitivity:
NETD 100 mK



Easy-to-Use Focus
Free Lens



Stores up to 5000
JPEG Images



2.8" LCD Color Display



Battery Operating Time:
5 hours



Convenient Thumbnail
Image Gallery

FLIR i3 Specifications

Imaging and Optical Data	
Field of view (FOV)	12.5°×12.5°
Minimum focus distance	0.6m
Spatial resolution (IFOV)	3.71 mrad
Thermal sensitivity/NETD	<0.15°C
Image frequency	9Hz
Focus	Focus free
Detector Data	
Detector type	Focal plane array (FPA), uncooled microbolometer
Spectral range	7.5–13µm
IR resolution	60×60 pixels
Image Presentation	
Display	2.8in. color LCD
Image adjustment	Automatic adjust/lock image
Measurement	
Object temperature range	-20°C to +250°C
Accuracy	±2°C or ±2% of reading
Measurement Analysis	
Spotmeter	Centerspot
Area	-
Isotherm	-
Emissivity correction	Variable from 0.1 to 1.0
Emissivity table	Emissivity table of predefined materials
Reflected apparent temperature correction	Automatic, based on input of reflected temperature
Set-Up	
Color palettes	Black and white, iron and rainbow
Set-up commands	Local adaptation of units, language, date and time formats
Storage of Images	
Image storage type	miniSD card
File formats	Standard JPEG, 14-bit measurement data included
Data Communication Interfaces	
Interfaces	USB Mini-B: Data transfer to and from PC
Power System	
Battery type	Rechargeable Li-ion battery
Battery voltage	3.6V
Battery operating time	Approx. 5 hours
Charging system	Battery is charged inside the camera
Charging time	3 hours to 90% capacity
Power management	Automatic shut-down
AC operation	AC adapter, 90–260VAC input, 5V output to camera
Environmental Data	
Operating temperature range	0°C to +50°C
Storage temperature range	-40°C to +70°C
Humidity (operating and storage)	IEC 60068-2-30/24h 95% relative humidity
EMC	<ul style="list-style-type: none"> • EN 61000-6-2:2005 (Immunity) • EN 61000-6-3:2007 (Emission) • FCC 47 CFR Part 15 Class B (Emission)
Encapsulation	Camera housing and lens: IP43 (IEC 60529)
Bump	25g (IEC 60068-2-29)
Vibration	2g (IEC 60068-2-6)
Physical Data	
Camera weight, incl. battery	0.34kg
Camera size (L×W×H)	223×79×83mm



Join more than 10,000 professional thermographers who have graduated from the world's largest ITC program.



ITC infrared thermography certifications are globally recognized and are designed to exceed the requirements of international certification standards.

Check the ITC course schedule in the Asia Pacific region: www.flir.com/thg/itc

