

INFRARED REVOLUTION

Power to the People



FLIR **i3** revolution is here



The Global Leader in Infrared Cameras

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*GST inc., ex works Australia

The i3 infrared revolution is here

FLIR Systems has revolutionized conventional thinking about temperature measurement by introducing the FLIR i3 to suits all budgets!

FLIR i3 is an infrared camera that delivers thermal images equal to 3,600 readouts (60x60 IR resolution) from a single spotmeter and also measures hot/cold spots over surfaces.

FLIR i3 is the new leader among entry-level infrared cameras.

Weighing just 340g, the FLIR i3 comes with large 2.8" color LCD screen and easy to use ergonomic menu operation.

The IR images are stored in a removable SD card and the patented JPEG format allows users to share images with colleagues.

\$1870* i3 set

Includes:

Hard transport case (inc. padlock)

Infrared camera

Battery (inside camera)

Calibration certificate

FLIR QuickReport CD software

Handstrap

Mini SD card (2GB)

Power supply/charger with EU, UK, US and AU plugs

Printed Getting Started guide

USB cable

User documentation CD-ROM

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1.Point 2.Shoot 3.Detect Three simple steps to thermography success

- Detect hidden problems, make quick damage assessments and perform preventative inspections
- Identify energy losses and poor insulation
- Spot electrical faults before it is too late
- Produce instant thermal images of your findings
- Create reports, analyse and document your findings with the easy-to-use software

POINT



SHOOT



DETECT



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



The center offers a wide variety of infrared courses from entry - level thermography to advanced IR training.

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



**So affordable.
So simple.
So convenient.**

That's the FLIR i3 - the powerful little revolutionary 60x60 pixel camera that will change forever the way you think about thermal imaging.

The FLIR i3 can produce snapshots of temperature differences equal to 3,600 readouts from a single spotmeter.



A FLIR picture is worth a thousand words

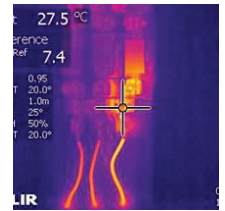
Every FLIR i3 image is equivalent to 3,600 readouts from a traditional single spotmeter. FLIR i3 thermal images tell you exactly where the trouble spots are and each image carries temperature data with a range from -20° to +250°C.

Compare that to your non-contact spotmeter which at best gives you just an average reading over an area and no hot spots!

Spot Meter



VS



FLIR i3

FLIR i-Series for building, electrical & plumbing



Building: Identify ways to save money on energy costs.

Electrical: Find faults easier. 15-20% of industrial fires are caused by electrical faults.

Plumbing: Detect blockages and other plumbing issues in pipes.

FLIR i3 @ \$1870*



Key specifications FLIR i3

Weight: 340g

Battery time: 5 hours

Temp range: -20° to +250°C.

IR sensor: 60x60 pixels

FOV: 12.5°

High sensitivity (sensitive to <0.15°C)

High resolution 2.8" colour LCD

Ergonomic design

Accuracy ±2°C

Mini SD card >5000 pictures



FLIR i-Series

Technical Specifications



Imaging and Optical Data			
Field of view (FOV)	12.5°×12.5°	17°×17°	25°×25°
Minimum focus distance	0.6m	0.6m	0.6m
Spatial resolution (IFOV)	3.71 mrad	3.71 mrad	3.71 mrad
Thermal sensitivity / NETD	<0.15°C	<0.1°C	<0.1°C
Image frequency	9Hz	9Hz	9Hz
Focus	Focus free	Focus free	Focus free
Detector Data			
Detector type	Focal plane array (FPA), uncooled microbolometer	Focal plane array (FPA), uncooled microbolometer	Focal plane array (FPA), uncooled microbolometer
Spectral range	7.5–13µm	7.5–13µm	7.5–13µm
IR resolution	60×60 pixels	80×80 pixels	120×120 pixels
Image Presentation			
Display	2.8in. color LCD	2.8in. color LCD	2.8in. color LCD
Image adjustment	Automatic adjust/lock image	Automatic adjust/lock image	Automatic adjust/lock image
Measurement			
Object temperature range	-20°C to +250°C	-20°C to +250°C	-20°C to +250°C
Accuracy	±2°C or ±2% of reading	±2°C or ±2% of reading	±2°C or ±2% of reading
Measurement Analysis			
Spotmeter	Center spot	Center spot	Center spot
Area	-	-	Box with max./min.
Isotherm	-	-	Above/below
Emissivity correction	Variable from 0.1 to 1.0	Variable from 0.1 to 1.0	Variable from 0.1 to 1.0
Emissivity table	Emissivity table of predefined materials	Emissivity table of predefined materials	Emissivity table of predefined materials
Reflected apparent temperature correction	Automatic, based on input of reflected temperature	Automatic, based on input of reflected temperature	Automatic, based on input of reflected temperature
Set-Up			
Color palettes	Black and white, iron and rainbow	Black and white, iron and rainbow	Black and white, iron and rainbow
Set-up commands	Local adaptation of units, language, date and time formats	Local adaptation of units, language, date and time formats	Local adaptation of units, language, date and time formats
Storage of Images			
Image storage type	miniSD card	miniSD card	miniSD card
File formats	Standard JPEG, 14-bit measurement data included	Standard JPEG, 14-bit measurement data included	Standard JPEG, 14-bit measurement data included
Data Communication Interfaces			
Interfaces	USB Mini-B: Data transfer to and from PC	USB Mini-B: Data transfer to and from PC	USB Mini-B: Data transfer to and from PC
Power System			
Battery type	Rechargeable Li-Ion battery	Rechargeable Li-Ion battery	Rechargeable Li-Ion battery
Battery voltage	3.6V	3.6V	3.6V
Battery operating time	Approx. 5 hours	Approx. 5 hours	Approx. 5 hours
Charging system	Battery is charged inside the camera	Battery is charged inside the camera	Battery is charged inside the camera
Charging time	3 hours to 90% capacity	3 hours to 90% capacity	3 hours to 90% capacity
Power management	Automatic shut-down	Automatic shut-down	Automatic shut-down
AC operation	AC adapter, 90–260VAC input, 5V output to camera	AC adapter, 90–260VAC input, 5V output to camera	AC adapter, 90–260VAC input, 5V output to camera
Environmental Data			
Operating temperature range	0°C to +50°C	0°C to +50°C	0°C to +50°C
Storage temperature range	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Humidity (operating and storage)	IEC 60068-2-30/24h 95% relative humidity	IEC 60068-2-30/24h 95% relative humidity	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) 	<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) 	<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)	Camera housing and lens: IP43 (IEC 60529)	Camera housing and lens: IP43 (IEC 60529)
Bump	25g (IEC 60068-2-29)	25g (IEC 60068-2-29)	25g (IEC 60068-2-29)
Vibration	2g (IEC 60068-2-6)	2g (IEC 60068-2-6)	2g (IEC 60068-2-6)
Physical Data			
Camera weight, incl. battery	0.34kg	0.34kg	0.34kg
Camera size (L×W×H)	223×79×83mm	223×79×83mm	223×79×83mm



www.flir.com.au

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