i60
SERIES

FLIR®

2.3 megapixels

FLIR SYSTEMS

FLIR i60

WE KNOW TEMPERATURE MEASUREMENT

- Detect and Predict Failures before they happen!

- Save Costs and Time due to machine repair, downtime, lost production and unnecessary overtime

MEASURE TEMPERATURE CORRECTLY

For an opaque target, emissivity and reflectivity are both important for correct temperature measurement.

Shiny metals, plastics, wood and many other materials found in industry have a different emissivity. An infrared measuring device should allow users to adjust emissivity and background reflected temperature for correct temperature measurement.

Get a free IR Thermography Primer by registering on line at www.flir.com.hk

*A guide book to learn the basics of thermography and important features of an IR camera.
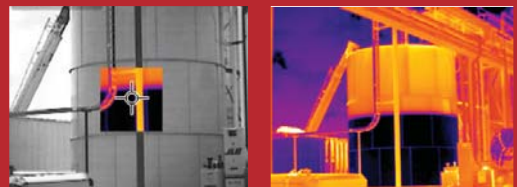
i60

Guard Against Downtime
Discover hot spots and implement a maintenance program to avoid future disasters.

Find Faults Earlier
15-20% of industrial fires are caused by electrical faults. Regular IR surveys can even save on insurances costs!

See What You Can't See
Check liquid level of tanks, find sediment build up, scan for leaks, and discover signs of flow problems.

Detect problems in steam pipes
Sediment build-up, blockages, deterioration of lagging and potential breakages in pipes can also be detected.

ABOUT FLIR

- The only IR Camera manufacturer in the world who produces its own state of the art detectors.

- As the leading IR camera manufacturer in the world FLIR's focus for more than 45 years has been on the continuous improvement of its product

- Solid resources in supporting customers : Service Centre based in Melbourne.

Accurate Temperature Measurement

In order to accurately measure temperature, the whole i-series range allows the user to adjust the emissivity from 0.1 to 1.0 depending on the material. The background reflected temperature can also be adjusted, which is equally important.

Light Weight and Robust Design

The FLIR i60 only weighs 600g (1.32 lbs) and meets the 25G shock and 2G vibration tests. The camera is IP54 rated for protection from dust and water spray.

Easy to Use

FLIR i60 has a logical manual-operation, and design for maximum usability and comfort.

i60 Image Presentation

Razor sharp visual images, thanks to the 2.3 mega pixels camera.

Each pixel of the IR image carries valuable temperature information. A 180 x 180 pixel array means more valuable temperature measurement information to assist in isolating the problem and solving it.

The built-in lamps assist in taking a good visual image in poorly lit sites.

Laser pointer helps to identify your measured target easily.

PIP overlays the IR image over hi-res visual image in real time, and unlike our competitiors, FLIR's FUSION PIP is fully scalable, permitting you to re-size the IR image as needed on a large 3.5 inch color display.
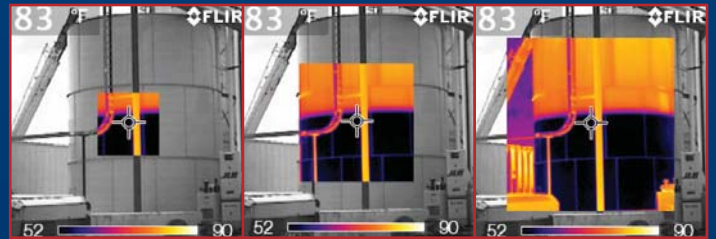
Field Replaceable Battery

With a 5 hours battery life, and the ability to easily change batteries you can keep up your demanding work schedule.
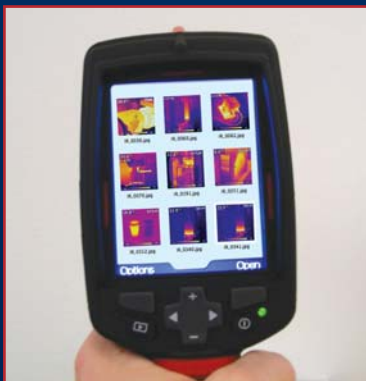
Saved Image Management

Image management is easy thanks to the Standard JPEG format. The thumbnail gallery on the LCD saves time when retrieving the best images for your reports.

The Complete FLIR i series

		i5	i40	i50	i60
Measurement					
Temperature range		0°C to +250°C	-20°C to +120°C , 0°C to 350 °C	-20°C to +120°C , 0°C to 350 °C	-20°C to +120°C , 0°C to 350 °C
Accuracy		±2°C (±3.6°F) or 2% of reading	±2°C (±3.6°F) or 2% of reading	±2°C (±3.6°F) or 2% of reading	±2°C (±3.6°F) or 2% of reading
Measurement correction		Adjustable emissivity factor from 0.1 to 1.0; emissivity table is provided	Adjustable emissivity factor from 0.1 to 1.0; emissivity table is provided	Adjustable emissivity factor from 0.1 to 1.0; emissivity table is provided	Adjustable emissivity factor from 0.1 to 1.0; emissivity table is provided
Manual / Set up commands	Palettes (black and white, iron and rainbow)	Yes	Yes	Yes	Yes
	C/F	Yes	Yes	Yes	Yes
	Language	Yes	Yes	Yes	Yes
	Date and time format	Yes	Yes	Yes	Yes
	Auto adjust (Manual / Automatic)	-	Yes	Yes	Yes
Detector Data					
Detector type		Focal plane array (FPA), uncooled microbolometer	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	7.5-13µm
IR resolution		80 x 80 pixels	120 x 120 pixels	140 x 140 pixels	180 x 180 pixels
Visual resolution		-	0.6 megapixel	2.3 megapixel	2.3 megapixel
Image Presentation					
Display		Built in display, 2.8" color LCD	Built in display, 3.5" color LCD, 256k color	Built in display, 3.5" color LCD, 256k color	Built in display, 3.5" color LCD, 256k color
Laser in IR image		-	-	-	Yes
IR fusion picture in picture (PIP)		-	PIP (fixed)	PIP (3 steps)	PIP (PIP scalable)
IR Imaging and Optical Data					
Field of view / min. focus distance		17º x 17º	25º x 25º	25º x 25º	25º x 25º
Min. focus distance		0.6m (2ft.)	0.12m (0.41ft.)	0.12m (0.41ft.)	0.12m (0.41ft.)
Thermal sensitivity (N.E.T.D)		< 0.1°C (0.18°F)	< 0.1°C (<0.18°F)	< 0.1°C (<0.18°F)	< 0.1°C (<0.18°F)
Image Storage					
Storage type		miniSD card, 512 MB (>5000 images)	Removable SD micro memory card (1 GB), storage capacity (>1000 images)	Removable SD micro memory card (1 GB), storage capacity (>1000 images)	Removable SD micro memory card (1 GB), storage capacity (>1000 images)
Files format		Standard radiometric JPEG	Standard radiometric JPEG	Standard radiometric JPEG	Standard radiometric JPEG
Laser Pointer					
Laser pointer		-	-	Yes	Yes
Laser class		-	-	Class 2	Class 2
Power System					
Battery operation time		5 hours	5 hours	5 hours	5 hours
Battery information		Rechargeable Li Ion battery	Rechargeable Li Ion battery, Field replaceable, Display shows battery status	Rechargeable Li Ion battery, Field replaceable, Display shows battery status	Rechargeable Li Ion battery, Field replaceable, Display shows battery status
Charging system		In camera, AC adapter	In camera, AC adapter	In camera, AC adapter	In camera, AC adapter
AC operation		AC adapter, 90–260 VAC input. 5 V output to camera	AC adapter, 90–260 VAC input. 12 V output to camera	AC adapte 90–260 VAC input. 12 V output to camera	AC adapte 90–260 VAC input. 12 V output to camera
Environmental Data					
Operation temperature range		0°C to +50°C (+32°F to +122°F)	-15°C to +50°C (+5°F to +122°F)	-15°C to +50°C (+5°F to +122°F)	-15°C to +50°C (+5°F to +122°F)
Shock test		25G (IEC 60068-2-29)	25G (IEC 60068-2-29)	25G (IEC 60068-2-29)	25G (IEC 60068-2-29)
Vibration test		2G (IEC 60068-2-6)	2G (IEC 60068-2-6)	2G (IEC 60068-2-6)	2G (IEC 60068-2-6)
IP rating		IP43	IP54	IP54	IP54
Data Communication Interfaces					
Video output		-	MPEG4 via. USB	MPEG4 via. USB	MPEG4 via. USB
USB – data transfer to and from PC		Yes	Yes	Yes	Yes
Physical Data					
Weight		340g (0.75 lbs)	600g (1.32 lb)	600g (1.32 lb)	600g (1.32 lb)
Size (L x W x H)		8.8" x 3.1" x 3.3"	9.3" x 3.2" x 6.9"	9.3" x 3.2" x 6.9"	9.3" x 3.2" x 6.9"
Built-in language versions		21 different languages	21 different languages	21 different languages	21 different languages
Price		Contact your local distributor now and find out the attractive price!			