FLIR E30

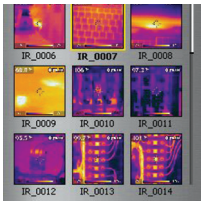
For electrical/industrial applications

E-Series InfraRed Camera (160 x120 IR Resolution)

- 60Hz Image Frequency
- 0.1°C @ 30°C Thermal Sensitivity
- Laser Pointer
- 6 Colour Palettes
- External Window Correction
- FLIR Tools Software
- 3.5" Touch-Screen LCD Display
- Area Min/Max with Auto Hot/Cold Spot Marker

Touch Screen

Built-in Laser Pointer



Thumbnail JPEG image gallery

FLIR E30 Features

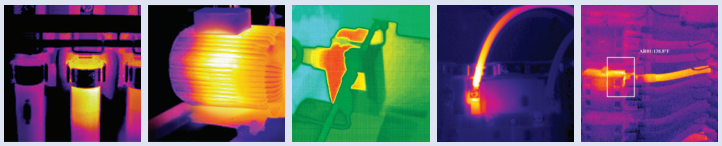
- **High Resolution IR Images** - 19,200 pixels (160 x 120) Infrared resolution
- **Automatic Hot/Cold detection**
- **Isotherm** - Detect High/Low temperature interval
- **Bright LED Light** - Allows the visual camera and fusion to be used in poorly lit environments
- **Wide Temperature Range** - From -20˚ to +250˚C targeting electrical and industrial applications
- **± 2% Accuracy** - reliable temperature measurement
- **Thumbnail Image Gallery** - Allows quick search of stored images
- **Li-Ion Rechargable Battery** - lasts >4hrs continuous use; replaceable
- **Copy to USB** - Easy upload of images from camera to USB memory stick
- **Laser LocatIR™** Pointer - Pinpoints a reference spot with a laser
- **Laser Marker** - Marks the point on the IR displayed image as to where the Laser pointer is targeting
- **IR Window Correction** - Software settings allow you to account for transmission loss through IR windows
- **Area (Min/Max) Mode** - Shows the Minumum or the Maximum Temperature reading within the selected area
- **Auto Hot/Cold Spot Marke**r - Marks the area that automatically finds the hottest or coldest spot within the box
- **Includes** - Hard transport case, Infrared camera with lens, Battery, Calibration certificate, Camera lens cap, FLIR Tools software CD-ROM Handstrap, Memory card, Power supply, incl. multi-plugs Printed Getting Started Guide Printed Important Information Guide, USB cable, User documentation CD-ROM, Video cable, Warranty extension card or Registration card

IP54 Splashproof Dustproof

2 YEARS WARRANTY

Warranty extended to 2 years when the camera is registered

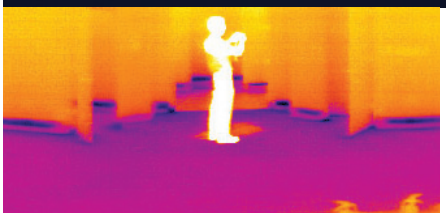
Applications



Suitable for all kinds of electrical and mechanical inspections

FLIR E30 Specifications

Imaging and optical data	
Field of view (FOV) / Minimum focus distance	25° × 19° / 0.4 m (1.31 ft.)
Spatial resolution (IFOV)	2.72 mrad
Thermal sensitivity/NETD	< 0.1°C @ +30°C (+86°F) / 100 mK
Image frequency	60 Hz
Focus	Manual
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 7.5–13 µm
IR resolution	160 × 120 pixels
Image presentation	
Display	Touch screen, 3.5 in. LCD, 320 × 240 pixels
Image modes	IR image, thumbnail gallery
Measurement	
Object temperature range	–20°C to +120°C , 0°C to +250°C
Accuracy	±2°C (±3.6°F) or ±2% of reading
Measurement analysis	
Spotmeter	1
Area	Box with max./min./average
Automatic hot/cold detection	Auto hot or cold spotmeter markers within area
Isotherm	Detect high/low temperature/interval
Reference temperature	Manually set or captured from any measurement function
Emissivity correction	Variable from 0.01 to 1.0 or selected from materials list
External optics/windows correction	Automatic, based on inputs of optics/window transmission and temperature
Measurement corrections	Reflected temperature, optics transmission and atmospheric transmission
Set-up	
Color palettes	Arctic, Gray, Iron, Lava, Rainbow and Rainbow HC
Set-up commands	Local adaptation of units, language, date and time formats
Languages	21
Storage of images	
Image storage	Standard JPEG, including measurement data, on memory card
Image storage mode	IR images
Data communication interfaces	
Interfaces	USB-Mini, USB-A, Composite video
USB	• USB-A: Connect external USB device • USB Mini-B: Data transfer to and from PC
Video Out	Composite
Power system	
Battery	Li Ion, 4 hours operating time
Charging system	In camera (AC adapter or 12 V from a vehicle) or 2-bay charger
Power management	Automatic shutdown and sleep mode (user selectable)
Environmental data	
Operating temperature range	–15°C to +50°C (+5°F to +122°F)
Storage temperature range	–40°C to +70°C (–40°F to +158°F)
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F) / 2 cycles
Encapsulation	IP 54 (IEC 60529)
Bump	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)
Physical data	
Camera weight, incl. battery	0.825 kg (1.82 lb.)
Camera size (L × W × H)	246 × 97 × 184 mm (9.7 × 3.8 × 7.2 in.)
Tripod mounting	UNC ¼"-20 (adapter needed)
Scope of delivery	
	Hard transport case, Infrared camera with lens, Battery, Calibration certificate, Camera lens cap, FLIR Tools software CD-ROM Handstrap, Memory card, Power supply, incl. multi-plugs, Printed Getting Started Guide, Printed Important Information Guide USB cable, User documentation CD-ROM, Video cable, Warranty extension card or Registration card
Optional lens	
	• IR lens f = 30 mm, 15° incl. case, IR lens f = 10 mm, 45° incl. case



Optional Software Packages

FLIR Reporter Professional is a powerful software for creating compelling and professional, fully customized, easy-to-interpret reports in a standard MS Word document. You can create a report by simply dragging and dropping your images on a desktop icon or using the Wizards to guide you step-by-step through the process. The saved document is a 'live' report with full access to the analysis tools and temperature measurement data. The reports can be multi-page and include all of your IR inspection data-infrared and visual images, temperature measurements, voice comments and text notes.

Panorama Function allows you to conveniently piece together normal sized images to create one large image for a wide angle view of the area being measured by using **FLIR BuildIR** software package.

FLIR®

www.flir.com

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