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°C to +250°C targeting electrical and industrial applications
- ± 2% Accuracy - reliable temperature measurement
- Thumbnail Image Gallery - Allows quick search of stored images
- Li-ion Rechargeable 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 Minimum or the Maximum Temperature reading within the selected area
- Auto Hot/Cold Spot Marker - Marks the area that automatically finds the hottest or coldest spot within the box


Applications

Suitable for all kinds of electrical and mechanical inspections
### 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.

### 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)**: 2.7 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

#### Storage of images
- **Image storage**: Standard JPEG, including measurement data, on memory card
- **Image 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)/12 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**: 0.625 kg (1.38 lb.)
- **Camera size (L × W × H)**: 248 × 97 × 184 mm (9.7 × 3.8 × 7.2 in.)
- **Tripod mounting**: UNC ¼"-20 (adapter needed)

#### Scope of delivery

#### Optional lens

- IR lens f = 30 mm, 15° incl. case
- IR lens f = 10 mm, 45° incl. case

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