

	<p><b>FLIR E30</b></p> <p>The E-Series' model FLIR E30 offers an outstanding solution for professional thermographers conducting electrical and mechanical inspections.</p> <p><b>Key features:</b></p> <ul style="list-style-type: none"> <li>Digital camera, 2 Mpixel</li> <li>Laser pointer</li> <li>6 color palettes</li> <li>External window correction</li> <li>FLIR Tools software</li> <li>Simultaneous storage of IR and visual images</li> </ul>	<p><b>FLIR E40 (incl. Wi-Fi)</b></p> <p>The E-Series' model FLIR E40 offers an outstanding solution for professional thermographers conducting electrical and mechanical inspections.</p> <p><b>Key features:</b></p> <ul style="list-style-type: none"> <li>Digital camera, 3.1 Mpixel</li> <li>Laser pointer</li> <li>Picture-in-Picture</li> <li>Voice (via Bluetooth)/Text annotation</li> <li>Delta T – Difference Temperature</li> <li>Zoom 2x</li> <li>6 color palettes</li> <li>Wi-Fi</li> <li>MeterLink connection</li> <li>External window correction</li> <li>FLIR Tools software</li> </ul>	<p><b>FLIR E50 (incl. Wi-Fi)</b></p> <p>The E-Series' model FLIR E50 offers an outstanding solution for professional thermographers conducting electrical and mechanical inspections.</p> <p><b>Key features:</b></p> <ul style="list-style-type: none"> <li>Digital camera, 3.1 Mpixel</li> <li>Laser pointer</li> <li>Picture-in-Picture (scalable)</li> <li>Thermal Fusion (Interval, above/below)</li> <li>Voice (via Bluetooth)/Text annotation</li> <li>Delta T – Difference Temperature</li> <li>Zoom 4x</li> <li>6 color palettes</li> <li>Wi-Fi</li> <li>MeterLink connection</li> <li>External window correction</li> <li>FLIR Tools software</li> </ul>	<p><b>FLIR E60 (incl. Wi-Fi)</b></p> <p>The E-Series' top of the line model FLIR E60 offers an outstanding solution for professional thermographers conducting electrical and mechanical inspections.</p> <p><b>Key features:</b></p> <ul style="list-style-type: none"> <li>Digital camera, 3.1 Mpixel</li> <li>Laser pointer</li> <li>Picture-in-Picture (scalable)</li> <li>Thermal Fusion (Interval, above/below)</li> <li>Voice (via Bluetooth)/Text annotation</li> <li>Delta T – Difference Temperature</li> <li>Zoom 4x</li> <li>6 color palettes</li> <li>Wi-Fi</li> <li>MeterLink connection</li> <li>External window correction</li> <li>Instant Reports</li> <li>FLIR Tools software</li> </ul>
<b>Specifications:</b>				
<b>Imaging and optical data</b>				
Field of view (FOV) / Minimum focus distance	25° × 19° / 0.4 m (1.31 ft.)	25° × 19° / 0.4 m (1.31 ft.)	25° × 19° / 0.4 m (1.31 ft.)	25° × 19° / 0.4 m (1.31 ft.)
Spatial resolution (IFOV)	2.72 mrad	2.72 mrad	1.82 mrad	1.36 mrad
Thermal sensitivity/NETD	< 0.1°C @ +30°C (+86°F) / 100 mK	< 0.07°C @ +30°C (+86°F) / 70 mK	< 0.05°C @ +30°C (+86°F) / 50 mK	< 0.05°C @ +30°C (+86°F) / 50 mK
Image frequency	60 Hz	60 Hz	60 Hz	60 Hz
Focus	Manual	Manual	Manual	Manual
Zoom	1–2x continuous, digital zoom, including panning	1–2x continuous, digital zoom, including panning	1–4x continuous, digital zoom, including panning	1–4x continuous, digital zoom, including panning
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 7.5–13 µm	Uncooled microbolometer / 7.5–13 µm	Uncooled microbolometer / 7.5–13 µm	Uncooled microbolometer / 7.5–13 µm
IR resolution	160 × 120 pixels	160 × 120 pixels	240 × 180 pixels	320 × 240 pixels
<b>Image presentation</b>				
Display	Touch screen, 3.5 in. LCD, 320 × 240 pixels	Touch screen, 3.5 in. LCD, 320 × 240 pixels	Touch screen, 3.5 in. LCD, 320 × 240 pixels	Touch screen, 3.5 in. LCD, 320 × 240 pixels
Image modes	IR image, visual image, thumbnail gallery	IR image, visual image, picture in picture, thumbnail gallery	IR image, visual image, thermal fusion, picture in picture, thumbnail gallery	IR image, visual image, thermal fusion, picture in picture, thumbnail gallery
Thermal fusion	N/A	N/A	IR image shown above, below or within temp interval on visual image	IR image shown above, below or within temp interval on visual image
Picture in Picture	IR area on visual image	IR area on visual image	Scalable IR area on visual image	Scalable IR area on visual image
<b>Measurement</b>				
Object temperature range	–30°C to +120°C (–4°F to +248°F) 9°C to +350°C (+32°F to +662°F)	–30°C to +120°C (–4°F to +248°F) 9°C to +650°C (+32°F to +1202°F)	–30°C to +120°C (–4°F to +248°F) 9°C to +650°C (+32°F to +1202°F)	–30°C to +120°C (–4°F to +248°F) 9°C to +650°C (+32°F to +1202°F)
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
<b>Measurement analysis</b>				
Spotmeter	1	3	3	3
Area	Box with max./min./average	3 boxes with max./min./average	3 boxes with max./min./average	3 boxes with max./min./average
Automatic hot/cold detection	Auto hot or cold spotmeter markers within area	Auto hot or cold spotmeter markers within area	Auto hot or cold spotmeter markers within area	Auto hot or cold spotmeter markers within area
isotherm	Detect high/low temperature/interval	Detect high/low temperature/interval	Detect high/low temperature/interval	Detect high/low temperature/interval
Difference temperature	Delta temperature between measurement functions or reference temperature	Delta temperature between measurement functions or reference temperature	Delta temperature between measurement functions or reference temperature	Delta temperature between measurement functions or reference temperature
Emissivity correction	Variable from 0.01 to 1.0 or selected from materials list	Variable from 0.01 to 1.0 or selected from materials list	Variable from 0.01 to 1.0 or selected from materials list	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	Automatic, based on inputs of optics/window transmission and temperature	Automatic, based on inputs of optics/window transmission and temperature	Automatic, based on inputs of optics/window transmission and temperature
Measurement corrections	Reflected temperature, optics transmission and atmospheric transmission	Reflected temperature, optics transmission and atmospheric transmission	Reflected temperature, optics transmission and atmospheric transmission	Reflected temperature, optics transmission and atmospheric transmission
<b>Set-up</b>				
Color palettes	Arctic, Gray, Iron, Lava, Rainbow and Rainbow HC	Arctic, Gray, Iron, Lava, Rainbow and Rainbow HC	Arctic, Gray, Iron, Lava, Rainbow and Rainbow HC	Arctic, Gray, Iron, Lava, Rainbow and Rainbow HC
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	Local adaptation of units, language, date and time formats
Languages	21	21	21	21
<b>Storage of images</b>				
Image storage	Standard JPEG, including measurement data, on memory card	Standard JPEG, including measurement data, on memory card	Standard JPEG, including measurement data, on memory card	Standard JPEG, including measurement data, on memory card
Image storage mode	IR/visual images; simultaneous storage of IR and visual images	IR/visual images; simultaneous storage of IR and visual images	IR/visual images; simultaneous storage of IR and visual images	IR/visual images; simultaneous storage of IR and visual images
<b>Image annotations</b>				
Voice		60 seconds (via Bluetooth)	60 seconds (via Bluetooth)	60 seconds (via Bluetooth)
Text		Text from predefined list or soft keyboard on touch screen	Text from predefined list or soft keyboard on touch screen	Text from predefined list or soft keyboard on touch screen
External sensors		Wireless connection (Bluetooth™) to: Exttech Moisture Meter MO297 Exttech Clamp Meter EX845	Wireless connection (Bluetooth™) to: Exttech Moisture Meter MO297 Exttech Clamp Meter EX845	Wireless connection (Bluetooth™) to: Exttech Moisture Meter MO297 Exttech Clamp Meter EX845
Report generation	Separate PC software with extensive report generation	Separate PC software with extensive report generation	Separate PC software with extensive report generation	Instant Report (*.pdf file) in camera including IR and visual images Separate PC software with extensive report generation
<b>Video recording in camera and streaming to PC</b>				
Radiometric IR-video streaming		Full dynamic to PC using USB	Full dynamic to PC using USB	Full dynamic to PC using USB
Non-radiometric IR-video streaming		MPEG-4 to PC using USB	MPEG-4 to PC using USB	MPEG-4 to PC using USB
<b>Digital camera</b>				
Built-in digital camera	2 Mpixel (1664 × 1248 pixels), with LED light	3.1 Mpixel (2048 × 1536 pixels), and one LED light	3.1 Mpixel (2048 × 1536 pixels), and one LED light	3.1 Mpixel (2048 × 1536 pixels), and one LED light
Built-in digital lens data	FOV 53° × 41°	FOV 53° × 41°	FOV 53° × 41°	FOV 53° × 41°
<b>Laser pointer</b>				
Laser		Activated by dedicated button	Activated by dedicated button	Activated by dedicated button
Laser alignment	Position is automatic displayed on the IR image	Position is automatic displayed on the IR image	Position is automatic displayed on the IR image	Position is automatic displayed on the IR image
<b>Data communication interfaces</b>				
Interfaces	USB-mini, USB-A, composite video	USB-mini, USB-A, Bluetooth, Wi-Fi, composite video	USB-mini, USB-A, Bluetooth, Wi-Fi, composite video	USB-mini, USB-A, Bluetooth, Wi-Fi, composite video
Bluetooth		Communication with headset and external sensors	Communication with headset and external sensors	Communication with headset and external sensors
USB	USB-A: Connect external USB device USB Mini-B: Data transfer to and from PC	USB-A: Connect external USB device USB Mini-B: Data transfer to and from PC / streaming MPEG-4	USB-A: Connect external USB device USB Mini-B: Data transfer to and from PC / streaming MPEG-4	USB-A: Connect external USB device USB Mini-B: Data transfer to and from PC / streaming MPEG-4
Video out	Composite	Composite	Composite	Composite
<b>Power system</b>				
Battery	Li Ion, 4 hours operating time	Li Ion, 4 hours operating time	Li Ion, 4 hours operating time	Li Ion, 4 hours operating time
Charging system	In camera (AC adapter or 12 V from a vehicle) or 2-bay charger	In camera (AC adapter or 12 V from a vehicle) or 2-bay charger	In camera (AC adapter or 12 V from a vehicle) or 2-bay charger	In camera (AC adapter or 12 V from a vehicle) or 2-bay charger
Power management	Automatic shutdown and sleep mode (user selectable)	Automatic shutdown and sleep mode (user selectable)	Automatic shutdown and sleep mode (user selectable)	Automatic shutdown and sleep mode (user selectable)
<b>Environmental data</b>				
Operating temperature range	–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)	–15°C to +50°C (+5°F to +122°F)
Storage temperature range	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)	–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	IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F) / 2 cycles	IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F) / 2 cycles	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)	IP 54 (IEC 60529)	IP 54 (IEC 60529)	IP 54 (IEC 60529)
Bump	25 g (IEC 60068-2-29)	25 g (IEC 60068-2-29)	25 g (IEC 60068-2-29)	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)	2 g (IEC 60068-2-6)	2 g (IEC 60068-2-6)	2 g (IEC 60068-2-6)
<b>Physical data</b>				
Camera weight, incl. battery	0.825 kg (1.82 lb.)	0.825 kg (1.82 lb.)	0.825 kg (1.82 lb.)	0.825 kg (1.82 lb.)
Camera size (L × W × H)	246 × 97 × 188 mm (9.7 × 3.8 × 7.2 in.)	246 × 97 × 188 mm (9.7 × 3.8 × 7.2 in.)	246 × 97 × 188 mm (9.7 × 3.8 × 7.2 in.)	246 × 97 × 188 mm (9.7 × 3.8 × 7.2 in.)
Tripod mounting	UNC N°-20 (adapter needed)	UNC N°-20 (adapter needed)	UNC N°-20 (adapter needed)	UNC N°-20 (adapter needed)
<b>Scope of delivery</b>				
Packaging, contents	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	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	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	Hard transport case Infrared camera with lens Battery (2 ea.) Dual-bay battery charger 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