◆FLIR®

E-Series bx

Revolutionary Performance

Superior Point & Shoot Thermal Imagery

Built-in Digital Camera & Laser Pointer

Mobile Device Wi-Fi Connectivity

Large Bright Touchscreen

Groundbreaking Affordability

Large 3.5" Touchscreen Puts
Thermal Details at Your Fingertips

• 2.0 or 3.1 MP Digital Camera

• LED Lamp

• Laser Pointer

Visible Light Pictures Align
with Thermal Images

The E-Series bx

Connect to Apple® and Android™ mobile devices with FLIR Wi-Fi apps to import, process, and share images and data fast.
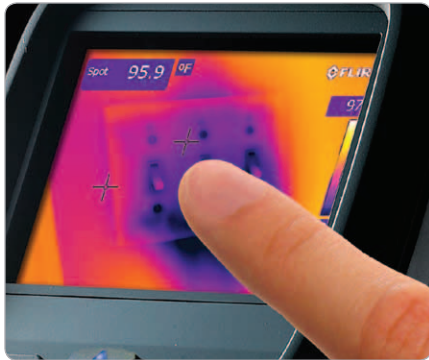
Large Backlit Buttons Fit Bare Hands or Gloves

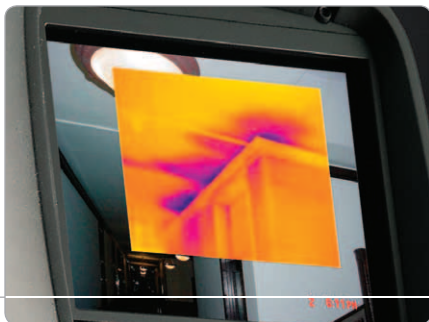**◆FLIR**®

E-Series bx Features

Presenting the best performance and value in point-and-shoot thermal imaging cameras ever, designed to fit beautifully into your IR inspection program, budget, and the palm of your hand.

Spot LED Light for Dark Corners

Add Up to 3 Moveable Measurement Spots Easily

Picture-in Picture Display

Superior Thermal Imaging – Up to 76,800 pixels (320 × 240) for better long-range accuracy and the highest level of point & shoot camera IR resolution

Convenient Digital Camera – Every E-Series bx provides clear visible light pictures to reference with thermal images for stronger documentation; also includes bright LED lamp that doubles as a flashlight

Large Landscape Touchscreen – Brighter than other brands, the E-Series bx touchscreen provides an intuitive interface that takes full advantage of the entire 3.5" display with no image cropping

Wi-Fi Connectivity – Send images and data to an Apple or Android mobile device to create and share reports and critical information quickly using new FLIR Wi-Fi apps

Laser Pointer – Pinpoints a reference spot with a laser and aligns a marker to it on the image for precise detection

Accurate Temperature Measurements – Accuracy calibrated within 2% or +/– 2°C to meet the standard you can always trust FLIR to deliver

Scalable P-i-P and Thermal Fusion – Overlay thermal and visible images for easy location identification and clearer documentation

Multiple Measurements – Add up to 3 box areas and 3 moveable spots using the touchscreen to gather more detailed temperature information

Perpetual Battery Operation – 2-bay charger and spare battery option means plenty of power to keep you running all day

MeterLink – Measure more than temperature with your camera by connecting clamp and moisture meters directly to the E-Series bx for annotating thermal images to further support findings and decisions

Annotation – Add voice comments via Bluetooth headset and text notes from the touchscreen keypad

InstantReport – Generate a professional PDF document directly from the camera right on site

Plenty of Extras – Small, light, and rugged with large, backlit, easy-to-operate buttons, 6 palette choices, and more

A New Choice in Thermal Imaging Performance

- **E30 bx –** 19,200 pixels
  Built-in 2.0 MP visible light camera with lamp & laser

- **E40 bx –** 19,200 pixels
  Wi-Fi to mobile devices & a 3.1 MP visible light camera

- **E50 bx –** 43,200 pixels
  Superior accuracy and resolution

- **E60 bx –** 76,800 pixels
  Best point & shoot thermal resolution

E30 bx

Includes:

- *High quality thermal imaging at 19,200 pixels (160 × 120)*
- *2.0 megapixel digital visible light camera with lamp*
- *Thermal sensitivity of 0.10°C*
- *3.5" touch-screen LCD*
- *Manual focus*
- *60 Hz image frequency*
- *Auto/manual level span adjustments*
- *Temperature calibration standard at 120°C*
- *Isotherm and automatic hot/cold detection marker*
- *Dewpoint and insulation alarms*
- *Radiometric and non-radiometric IR video streaming*
- *Laser pointer*
- *Composite video and USB-mini outputs*
- *FLIR Tools software for camera updates*

E40 bx

Additional Features:

- *3.1 megapixel digital visible light camera with lamp*
- *FLIR Wi-Fi app connectivity to Apple and Android mobile devices*
- *Thermal sensitivity of 0.045°C*
- *Picture-in-Picture to overlay thermal and digital images*
- *DeltaT temperature difference function*
- *2× digital zoom*
- *3 moveable spots and 3 box areas*
- *Voice & text annotation*
- *MPEG 4 video recording*
- *MeterLink via Bluetooth to clamp and moisture meters*

E50 bx

Additional Features:

- *Higher quality IR at 43,200 pixel (240 × 180) resolution*
- *4× digital zoom*
- *Thermal fusion to blend IR with visible light images*
- *Scalable Picture-in-Picture*

E60 bx

Additional Features:

- *Best point & shoot resolution at 76,800 pixels (320 × 240)*
- *2-bay charger and spare battery included for perpetual battery operation*
- *InstantReport*

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Wi-Fi Connectivity to Mobile Devices

Import, Process, and Share Images and Data Quickly

Download the FLIR Viewer app to iPhone®, iPad®, and iPod touch® or FLIR Tools Mobile to Android™ mobile devices and link to E40bx, E50bx, and E60bx cameras via Wi-Fi. Transfer images to your mobile device, then use it to add further measurement spots, readjust span and level, change palettes, create reports, and email findings to decision makers easily. It's an efficient way to make a big impact.

Available in Android Market

Available on the App Store

MeterLink™

Measure More than Temperature

Be sure you're getting critical moisture readings so you make the right call. Quantify the severity of moisture related problems with MeterLink-enabled moisture meters that use Bluetooth wireless communication to send data to the FLIR camera for annotation on stored thermal images. Contact FLIR to learn about other tools that connect with MeterLink.
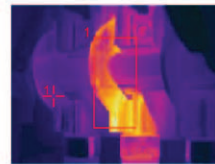
InstantReport

Generated Directly from Your Camera

Create professional reports on board your camera with InstantReport. FLIR's analysis software has always offered professional results and been easy to use. Now create reports without a PC! InstantReport includes thermal and visual images along with your measurement tools and text & sketch annotations in a standard PDF document that's easy to share right from the touchscreen.

Thermogram   2010-07-21 10:47 AM

building 18 - electrical

Measurements	
Spot 1	77.3°C
Area 1 Max	217.7°C
Ar1max-Sp1	140.4°C
DC	08.5A
DC	08.5A

Parameters	
Emissivity	0.98
Refl temp	20.0°C
Obj dist	1.0m
FOV	25°

Imaging Specifications

Model Number	E30 bx	E40 bx	E50 bx	E60 bx
Imaging				
Resolution	160 x 120	160 x 120	240 x 180	320 x 240
Total Pixels	19,200	19,200	43,200	76,800
Thermal Sensitivity	<0.10°C	<0.045°C		
Accuracy	+/-2% or 2°C			
Temperature Range	-4°F to 248°F (-20°C to 120°C)			
Lens Options	Standard: 25°; Optional: 15° Tele, 45° Wide			
Zoom		2x Continuous Digital	4x Continuous Digital	4x Continuous Digital
Focus	Manual			
Uncooled Microbolometer	x	x	x	x
Color LCD Touch Screen	3.5" (320 x 240)			
Video Camera with Lamp	2.0 MP	3.1 MP		
Picture-in-Picture		Fixed	Scalable	Scalable
Fusion			x	x
Laser Pointer	x	x	x	x
Video Out	Composite			
Frame Rate	60 Hz			
Analysis				
Moveable Spots	1	3	3	3
Box Areas	1	3	3	3
Delta T		x	x	x
Dewpoint Alarm	x	x	x	x
Insulation Alarm	x	x	x	x
Annotation				
Voice		x	x	x
Text		x	x	x
File Storage				
Radiometric JPG to SD Card	x	x	x	x
MPEG4 Video Recording		x	x	x
Other				
Wi-Fi to Apple & Android Mobile Devices		x	x	x
MeterLink		x	x	x
InstantReport				x
FLIR Tools	x	x	x	x
Battery Type/Op & Charge Time	Li-Ion Batteries/4 hours			
Dual-bay Charger & Spare Battery	Optional			Included
Weight	1.82 lbs (0.825 kg) including lens			
Warranty	10 Year Detector/5 Year Battery/2 Year Parts & Labor			
Optional Accessories	15° and 45° lenses, sunshield, tripod adapter, cigarette lighter adapter kit, Bluetooth headset, and more			

5-10-2 Protection

10-Year Detector Protection
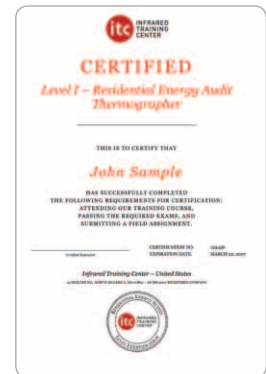5-Year Battery
2-Year Parts & Labor

Accessories include 15° and 45° lenses, sunshield, tripod adapter, cigarette lighter adapter kit, Bluetooth headset, and more.

FLIR®

Infrared Training Center

Get the most out of your FLIR investment and advance your career with world-class instruction through the Infrared Training Center. An ITC certificate is written proof of your expertise in operating your camera and interpreting the thermal information it provides.

For full course descriptions, updated schedules, and more information, visit www.infraredtraining.com or call 1.866.872.4847.

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