

FLIR E-Series bx

Compact Infrared Cameras with On-board Visual Camera, Wi-Fi Connectivity, P-i-P and Bright LED Light

The best performance & value compact thermal cameras designed to fit into your IR building inspection program. Ebx-Series cameras offer:

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

Improved Digital Camera – 3.1 megapixel resolution provides clearest visible light pictures in its class and includes bright LED lamp that doubles as a flashlight (2 megapixel for E30bx model)

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

New! Wi-Fi Connectivity* – Send images and data to an iPhone®, iPad®, iPod touch®, or Android™ to share images and critical information quickly using FLIR Tools Mobile app

Accuracy – Temperature accuracy calibrated within $\pm 2^{\circ}\text{C}$ or 2% of reading 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 (E50bx and E60bx only. E40bx with fixed picture-in-picture)

Multiple Measurements – Add up to 3 box areas and 3 moveable spots using the touchscreen to gather more detailed temperature information (1 box area and 1 spot for E30bx model)

MeterLink* – Wirelessly transmit vital diagnostic data from clamp and moisture meters directly to the camera for annotating thermal images to further support findings and decisions

Insulation & Humidity Alarms – Detect areas that don't fulfill the insulation requirements and at risk of surface condensation where mold growth could occur

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 (preloaded on E60bx only)

Includes – Memory Card with adapter (stores >1000 Radiometric JPEG images), Li-Ion rechargeable battery, power supply, USB cable, video cable, hand strap, camera lens cap, hard case, and standard FLIR Tools software CD-ROM

*Not available on E30bx

Kits available with PRO Software Bundle. See back for details.



Wi-Fi Connectivity



Large 3.5" Touchscreen



Visible Light Pictures
Align with Thermal
Images: 3.1MP Digital
Camera, LED Lamp,
and Laser Pointer



Large Backlit Buttons
For Easy Push Button
Operation



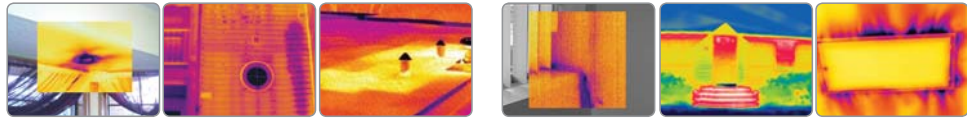
Picture-in-Picture
(P-i-P) Display



Wireless METERLiNK™
Communication via
Bluetooth®



Applications



Water Damage — Water leak on ceiling, wall, and roof top

Insulation — Energy Loss, Home Inspection, and HVAC

Imaging Specifications

FEATURES	FLIR E30bx	FLIR E40bx	FLIR E50bx	FLIR E60bx
Thermal sensitivity (N.E.T.D)	<0.1°C at 30°C	<0.045°C at 30°C	<0.045°C at 30°C	<0.045°C at 30°C
Detector Type - Focal plane array; (FPA) uncooled microbolometer	160 x 120 pixels	160 x 120 pixels	240 x 180 pixels	320 x 240 pixels
Picture-in-Picture (P-i-P)/Fusion	—	Fixed P-i-P	Scalable P-i-P/Thermal Fusion	Scalable P-i-P/Thermal Fusion
MPEG 4 Video Recording	—	Yes	Yes	Yes
Video Camera w/Lamp	2MP/Bright LED Lamp	3.1MP/Bright LED Lamp	3.1MP/Bright LED Lamp	3.1MP/Bright LED Lamp
Digital Zoom	—	2X Continuous	4X Continuous	4X Continuous
Image modes	Thermal, Image gallery	Thermal, Image Gallery, Visual	Thermal, Image Gallery, Visual	Thermal, Image Gallery, Visual
Image annotation	—	Voice (60s)/Text Comments	Voice (60s)/Text Comments	Voice (60s)/Text Comments
Moveable Spot	1 Spotmeter	3 Spotmeters	3 Spotmeters	3 Spotmeters
Area Box	1 Area Box	3 Area Boxes (full image with min/max/avg)	3 Area Boxes (full image with min/max/avg)	3 Area Boxes (full image with min/max/avg)
Delta T	—	Yes	Yes	Yes
Data Communication Interface	USB-mini, USB-A, Composite Video	USB-mini, USB-A, Composite Video, Bluetooth, Wi-Fi	USB-mini, USB-A, Composite Video, Bluetooth, Wi-Fi	USB-mini, USB-A, Composite Video, Bluetooth, Wi-Fi
COMMON FEATURES				
Temperature range	-4 to 248°F (-20 to 120°C)			
Frame Rate	60Hz			
Field of view / Focus	25° x 19° / Manual (Minimum focus distance 1.3ft/0.4m)			
Spectral range	7.5 to 13µm			
Display	Built-in 3.5" color LCD			
Image Storage	>1000 radiometric JPEG images (SD card memory)			
Laser Classification/Type	Class 2/Semiconductor AlGaInP Diode Laser: 1mW/635nm (red)			
Set-up controls	Mode selector, color palettes, configure image info, units, language, date and time formats, and image gallery			
Measurement modes	Auto hot/cold spot, Isotherm (above/below/interval)			
Measurement Correction	Reflected ambient temperature & emissivity correction			
Battery Type/Operating Time	Li-Ion/ >4 hours, Display shows battery status			
Charging system	In camera AC adapter/2 bay charging system			
Shock/Vibration/Drop/Encapsulation; Safety	25G, IEC 60068-2-29/ 2G, IEC 60068-2-6/ Drop-proof 2m (6.6ft) / IP54; EN/UL/CSA/PSE 60950-1			
Dimensions/Weight	9.7x3.8x7.2" (246x97x184mm)/<1.82lbs (825g), including battery			

Ordering Information

49001-1901	FLIR E30bx Thermal Imaging Infrared Camera (160x120)
49001-1901-KIT	FLIR E30bx with PRO Software Bundle
49001-2401	FLIR E40bx Thermal Imaging Infrared Camera (160x120)
49001-2401-KIT	FLIR E40bx with PRO Software Bundle
49001-2501	FLIR E50bx Thermal Imaging Infrared Camera (240x180)
49001-2501-KIT	FLIR E50bx with PRO Software Bundle
49001-1002	FLIR E60bx Thermal Imaging Infrared Camera (320x240)
49001-1002-KIT	FLIR E60bx with PRO Software Bundle

ACCESSORIES

T197752	Li-Ion Rechargeable Battery
T910814	AC Adapter Charger (110-240V, U.S. Plug)
1910490	Cigarette Lighter Adapter Kit, 12VDC (1.2m cable)
T198125	2-Bay Battery Charger including Power Supply (multi plugs)
T197771	Bluetooth® Headset
T197717	FLIR Reporter Professional Analysis Software
1196961	15° Telephoto Lens with Case
1196960	45° Wide Angle Lens with Case
T197926	Tripod adapter
T127100	Sunshield
T911087	Pouch
T127648	FLIR Tools+ (license only)

Camera Kits with PRO Software Bundle

Increase the power of the camera data by adding a powerful software for creating compelling and professional, fully customized, easy-to-interpret maintenance reports.

Professional Report Wizard guides you step-by-step instructions combining all IR inspection data - infrared and visual images, temperature measurements, and text notes - into a professional, easy-to-interpret maintenance report.



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



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