ADVANCED THERMALIMAGING REIMAGINED FROM THE HANDLE UP

FLIR Exx-Series E75 | E85 | E95

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See Greater Detail

- Vibrant LCD is 25% brighter than earlier models
- Large 4" display with 160° viewing angle
- Up to 464 x 348 true native IR resolution
- Improved FLIR MSX[®] image enhancement

Focus Fast & True

- Laser-assisted autofocus improves accuracy for precise temperature measurements
- Continuous focus mode responds quickly, promotes safe one-hand use
- Autofocus and record functions separated to prevent accidental re-focusing

Document & Report Problems

- Embed clamp and multi-meter data through METERLiNK®
- Upload images and report critical issues over Wi-
- Streamlined reporting features speeds documentation

UNPARALLELED PERFORMANCE







The Exx-Series is packed with the high performance features you need to quickly detect and report hidden building deficiencies: superior temperature sensitivity; bright, bold on-screen imagery; razor-sharp focus; and a rapidresponse user interface.

Navigate Screens Easier

- Quick response capacitive touch screen
- Updated GUI with improved flow and feedback
- Logical navigation on screen and in menus

Quickly Discover Building Deficiencies

- Detects temperature differences down to 30 mK
- True 42° FOV for wide area surveys with a single lens
- Measure area (m² or ft²) of moisture

intrusion or air leak on-screen* *E85, E95 only



True 42° FOV for wide area surveys with a single lens

Digital camera moved closer to thermal detector for superior

> Separate Autofocus and Image Recording buttor

HARD-WORKING DESIGN, FOR HARD-WORKING PROS

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This sleek new design isn't just window-dressing. From the rubberized, water-tight chassis to the scratch-resistant Dragontrail[™] cover glass LCD, the new Exx-Series is made to work hard all day long.



DESIGNED WITH YOU IN MIND



The Best Lenses Need the Best Autofocus

FLIR took its cue from the digital camera industry when re-engineering the Exx-Series focus system. Whether you choose autofocus or continuous focus, the camera's precise laserassisted focus and FLIR's innovative lenses ensure you get crisp results, for the most accurate temperature readings.

Work Safer

Your job can take you up ladders and into crawl-spaces, so you need tools that can be used one-handed and worryfree. FLIR designed its new Exx-Series cameras to be tough enough to use every day, with simplified buttons and intuitive screens that allow you to focus on your work – instead of on the camera controls.

Work Smarter

The new Exx-Series cameras produce standard radiometric JPEGs that can be opened and viewed without proprietary software. Image files produced by Exx-Series cameras are supported by FLIR's Software Development Kit (ATLAS SDK), so companies can use their own software and still support read-out of thermal measurements, METERLiNK[®] data, and other important parameters embedded within the image.

Features by Camera	E75	E85	E95
IR Resolution	320 x 240	384 × 288	464 x 348
Object Temperature Range	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1200°F) Optional 300°C to 1000°C (572°F to 1830°F)	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1200°F) 300°C to 1200°C (572°F to 2192°F)	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1200°F) 300°C to 1500°C (572°F to 2732°F)
Time-lapse (Infrared)	No	No	10 sec to 24 hours
Laser Area Measurement	No	Yes	Yes
Spotmeter	1 in live mode	3 in live mode	3 in live mode
Area	No	3 in live mode	3 in live mode
Common Features	Exx-Series		
Detector Type and Pitch	Uncooled microbolometer, 17 µm		
Thermal Sensitivity/NETD	< 0.03°C @ 30°C (86°F)		
Spectral Range	7.5 - 14.0 μm		
Image Frequency	30 Hz		
Field of View (FOV)	42° x 32° (10 mm lens), 24° x 18° (17 mm lens), 14° x 10° (29 mm lens)		
F-Number	f/1.3, f/1.1		
Lens Identification	Camera automatically identifies optional lenses without a factory calibration		
Focus	Continuous, one-shot laser distance meter (LDM), one-shot contrast, manual		
Digital Zoom	1-4x continuous		

Exx-Series cameras are backed by FLIR's industry-leading warranty

2 years: Full protection, parts, labor 10 years: Detector



LEARN MORE ABOUT EXX-SERIES CAMERAS AT WWW.FLIR.COM/EXX-BUILDING

^{FLIR}Exx-Series[™]

Display	4", 640 x 480 pixel touch screen LCD with auto-rotation	
Digital Camera	5 MP, 53° x 41° FOV	
Color Palettes	Iron, Gray, Rainbow, Arctic, Lava, Rainbow HC	
Image Modes	Infrared, visual, MSX®, Picture-in-Picture	
Picture-in-Picture	Resizable and movable	
MSX®	Embosses visual details on full resolution thermal image	
UltraMax™	Super-resolution process quadruples pixel count, activated in FLIR Tools+	
Measurement and Analy	vsis	
Accuracy	±2°C (±3.6°F) or ±2% of reading for ambient temperature 15°C to 35°C (59°F to 95°F) an object temperature above 0°C (32°F)	
Alarms	Moisture alarm, insulation alarm, measurement alarms	
Color Alarm (Isotherm)	Above/below/interval/condensation/insulation	
Laser Distance Measurement	Yes, on-screen	
Measurement Presets	No measurement, center spot, hot spot, cold spot, User Preset 1, User Preset 2	
Compass, GPS	Yes; automatic GPS image tagging	
METERLINK®	Yes; several readings	
Image Storage		
Storage Media	Removable SD card (8 GB)	
Image File Format	Standard radiometric JPEG, measurement data included	

Video Recording and St	treaming	
Radiometric IR Video Recording	Real-time radiometric recording (.csq)	
Non-Radiometric IR or Visual Video	H.264 to memory card	
Radiometric IR Video Streaming	Yes, over UVC or Wi-Fi	
Non-Radiometric IR Video Streaming	H.264 or MPEG-4 over Wi-Fi MJPEG over UVC or Wi-Fi	
Communication Interfaces	USB 2.0, Bluetooth, Wi-Fi	
Video Out	DisplayPort over USB Type-C	
Additional Data		
Battery Type	Li-ion battery, charged in camera or on separate charger	
Battery Operating Time	Approx. 2.5 hours at 25°C (77°F) ambient temperature and typical use	
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)	
Shock/Vibration/ Encapsulation; Safety	25 g / IEC 60068-2-27, 2 g / IEC 60068-2-6, IP 54 /IEC 60529; EN/UL/CSA/PSE 60950-1	
Weight/Dimensions w/o Lens	1 kg (2.2 lbs), 27.8 x 11.6 x 11.3 cm (11.0 x 4.6 x 4.4 in)	
Box Contents	Infrared camera with lens, battery (2 ea), battery charger with power supply, front lens and lig protection, straps (hand and wrist), lanyards, lens caps (front and rear), lens cleaning cloth, 15 V A power supply, printed documentation, 8 GB SD card, Torx screwdriver, cables (USB 2.0 A to USB Type-C, USB Type-C to HDMI, USB Type-C to USB Type-C)	

TECHNICAL SPECIFICATIONS

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