ADVANCED THERMAL IMAGING
REIMAGINED FROM THE HANDLE UP

FLIR Exx-Series™
E53 | E75 | E85 | E95
FLIR redesigned the Exx-Series from the handle up to deliver the best performance, resolution, and sensitivity of any pistol-grip handheld thermal camera.

The new Exx-Series cameras are packed with the features you need to quickly troubleshoot electrical distribution and mechanical systems, so you can avoid equipment failures, increase plant safety, and maximize up-time.

FLIR Exx-Series cameras now offer:
- Interchangeable, auto-calibrating lenses
- Laser distance meter for measurement information and crisp, accurate focus
- Our best MSX® enhancement
- UltraMax® processing for 4x pixel resolution
- A larger, 4” display that’s 33% brighter
- A responsive new interface
- Improved organization and reporting options

* E75, E85, E95 only.
The new Exx-Series is packed with the high performance features you need to quickly find and report hidden hot spots: a bright, bold new screen; razor-sharp lenses; and a rapid-response user interface.

**See Greater Detail**
- Vibrant LCD is 33% 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 responds quickly, improves measurement accuracy *
- Superior spot-size performance for measurement of small, distant targets
- Interchangeable lenses provide coverage for any target, any scene*

**Quantity Potential Problems**
- Accurate temperature readings on hot spots
- Wide temperature ranges, up to 1500°C
- Sensitivity to detect minute temperature differences

**Navigate Screens Easier**
- Quick response capacitive touchscreen
- Updated GUI with improved flow and feedback
- Logical navigation on screen and in menus

**See Greater Detail**
- Vibrant LCD is 33% brighter than earlier models
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**Focus Fast & True**
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- Superior spot-size performance for measurement of small, distant targets
- Interchangeable lenses provide coverage for any target, any scene*

**Report Problems Quickly**
- Wi-Fi connects camera to mobile devices or in-plant networks
- Image annotation through voice, text, on-screen sketch, GPS tagging, and compass
- New folder and naming structure makes finding images easier
- Enhanced image analysis and reporting through included FLIR Tools+ software

* E75, E85, E95 only.
Laser pointer provides visual guidance
Ergonomic new design for our most comfortable grip
Separate Autofocus and Image Recording buttons*
Li-ion battery for extended use times
Vibrant, 4" optically-bonded PCAP touchscreen
Speaker plays back voice annotation
Mic for voice annotation
Scratch-resistant Dragontrail™ cover glass
Interchangeable 24°, 42°, and 14° telephoto lenses*
Bright LED work lights improve image clarity in dim areas
5 MP digital camera now closer to thermal detector for superior MSX® enhancements
Laser provides distance measurement and precise autofocus*
Separate Autofocus and Image Recording buttons

HARD-WORKING DESIGN, FOR HARD-WORKING PROS

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 for your tough work environment.

* E75, E85, E95 only.
Multiple Targets, One Solution

Not every target is large enough or close enough for proper measurement with a single lens. That’s why FLIR designed the new Exx-Series with interchangeable 24°, 42°, and 14° lenses—so you can use the same camera for every target you survey. The camera auto-calibrates with each new lens to ensure it produces high-quality images and precise thermal measurements.

Tailored to Your Systems

The new Exx-Series cameras produce standard radiometric JPEGs that can be opened and viewed without proprietary software. These images can be viewed and edited in FLIR Tools, and are supported by FLIR’s Software Development Kit (ATLAS SDK). This allows companies to use their own Computerized Maintenance Monitoring Systems (CMMS) and still support read-out of thermal measurements, METERLINK® data, GPS, compass, and other important parameters embedded within the image.

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 laser-assisted focus and FLIR’s innovative lenses ensure you get crisp results, for the most accurate temperature readings.

EXPANDABLE AND MODULAR

* E75, E85, E95 only.
**Features**

- **IR Resolution**: 240 × 180
- **Spotmeter**: 3 in live mode 1 in live mode 3 in live mode 3 in live mode
- **UltraMax®**: 307,200 pixels 442,368 pixels 645,888 pixels
- **Object Temperature Range**: -20°C to 120°C
- **Field of View (FOV)**: 24° × 18° 42° × 32° (10 mm lens), 14° × 10° (29 mm lens)
- **Focus**: Manual Continuous, one-shot
- **Laser Distance Measurement**: — Yes, on-screen
- **Laser Area Measurement**: — Yes Yes
- **Time-lapse (Infrared)**: — — — 10 sec to 24 hours

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

- **Detector**: 10 years
- **Battery**: 5 years
- **Full protection, parts, labor**: 2 years

**FLIRExx-Series**

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

**FLIR’s industry-leading warranty**

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