



FLIR *EX Series*

Point-and-Shoot Thermal Imaging Cameras

FLIR E4, E5, E6, and E8 infrared cameras are powerful and extremely cost-effective, easy-to-use troubleshooting tools for building, electrical, and mechanical applications. Four resolution options are available (ranging from 80 x 60 IR pixels to 320 x 240) to fit the target size, working distance, and detail you require. All include MSX® technology that provides extraordinary thermal imaging detail. Wi-Fi connectivity to smartphones and tablets via the FLIR Tools® Mobile app makes sharing images and sending reports from any location easier, enabling you to make critical decisions faster. By providing thermal images to help you find hidden problems along with accurate temperature measurements, an Ex-Series camera is the ideal budget-friendly replacement for old-school IR thermometers.

Easy to use

Intuitive, user-friendly interface for measurements in thermal or MSX mode

- Fully automatic and focus-free
- Simple button navigation to on-screen settings, imaging modes, and measurement tools
- MSX adds digital camera detail to IR images for better perspective and interpretation

Conveniently share images and findings

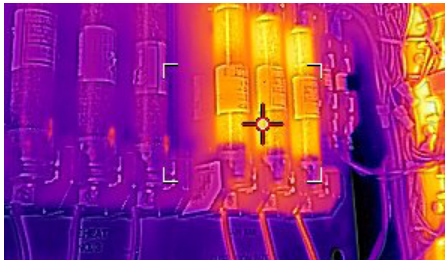
Download images, create reports, and show what you've found instantly

- Wi-Fi connectivity to mobile devices via FLIR Tools Mobile app
- Rapid Wi-Fi or USB image transfer for documentation
- Analyze and edit images, and create convincing reports with FLIR Tools

Compact and rugged

Built for portability and use in harsh environments

- Lightweight (1.2 lb / .0575 kg) and withstands 2-meter drop test
- 2-year warranty coverage on camera, 5 years on batteries, 10 years on detector



MSX shows you numbers, labels and structural features, eliminating the need to look at a visual image for detail



Variable emissivity and reflected temperature parameters give you reliable results fast

Specifications

Features by Camera	E4	E5	E6	E8
IR resolution	80 × 60 pixels	120 × 90 pixels	160 × 120 pixels	320 × 240 pixels
Thermal sensitivity/NETD	<0.15°C (0.27°F) / <150 mK	<0.10°C (0.27°F) / <100 mK	<0.06°C (0.11°F) / <60 mK	
Image adjustment	Automatic adjust/lock image		Automatic/Manual	
Common Features				
Field of view (FOV)	45° × 34°			
Minimum focus distance	0.5 m (1.6 ft)			
Image frequency	9 Hz			
Focus	Focus free			
Wi-Fi	Peer-to-peer or network			
Detector type	Uncooled microbolometer			
Image Presentation and Modes				
Display	3.0 in. 320 × 240 color LCD			
Image modes	Thermal MSX®, thermal, picture-in-picture, thermal blending, digital camera			
Multi Spectral Dynamic Imaging (MSX)	IR image enhanced with visible camera detail			
Picture-in-Picture	IR area on visual image			
Color palettes	Black & white, iron, and rainbow			
Digital camera resolution / FOV	640 × 480 / 55° × 43°			
Measurement Features				
Object temperature range	−20°C to 250°C (−4°F to 482°F)			
Accuracy	±2°C (±3.6°F) or ±2% of reading,for ambient temperature 10°C to 35°C (50°F to 95°F) and object temperature above 0°C (32°F)			
Spotmeter / area	Center spot; box with min./max.			
Emissivity table / correction	Emissivity table of predefined materials / variable from 0.1 to 1.0			
Additional Data				
File formats	Standard JPEG,14-bit measurement data included			
Interfaces	USB Micro: Data transfer to and from PC and Mac device			
Battery type & operating time	Rechargeable 3.6 V Li ion battery; approx. 4 hours typical use			
Encapsulation / drop	IP 54 (IEC 60529) / 2 m (6.6 ft)			
Camera weight, incl. battery	0.575 kg (1.27 lb)			

Specifications are subject to change without notice. For the most up-to-date specifications, go to www.flir.com



Download images fast via USB.



Wireless connectivity to smartphones, tablets and more.

PORTLAND
Corporate Headquarters
FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
PH: +1 866.477.3687

NASHUA
FLIR Systems, Inc.
9 Townsend West
Nashua, NH 03063
PH: +1 866.477.3687

CANADA
FLIR Systems, Ltd.
920 Sheldon Court
Burlington, ON L7L 5K6
Canada
PH: +1 800.613.0507

LATIN AMERICA
FLIR Systems Brasil
Av. Antonio Bardella,
320 Sorocaba,
SP 18085-852
Brasil
PH: +55 15 3238 7080

CHINA
FLIR Systems Co., Ltd
Rm 1613-16, Tower II
Grand Central Plaza 1
38 Shatin Rural
Committee Rd.
Shatin, New Territories
Hong Kong
PH: +852 2792 8955

BELGIUM
FLIR Systems
Luxemburgstraat 2
2321 Meer
Belgium
PH: +32 (0) 3665 5100

UNITED KINGDOM
FLIR Systems UK
2 Kings Hill Ave., Kings Hill
West Malling, Kent
ME19 4AQ
United Kingdom
PH +44 (0)1732 220 011

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2018 FLIR Systems, Inc. All rights reserved. [Updated April 5] 17-086

www.flir.com
NASDAQ: FLIR

P/N: T199362ACC

Copyright

© 2016, FLIR Systems, Inc.

All rights reserved worldwide. Names and marks appearing herein are either registered trademarks or trademarks of FLIR Systems and/or its subsidiaries. All other trademarks, trade names or company names referenced herein are used for identification only and are the property of their respective owners.

Document identity

Publ. No.: T199362ACC

Release:

Commit: 35682

Language: en-US

Modified: 2016-05-17

Formatted: 2016-07-01



General description	
High capacity battery for the IR camera.	
Power system	
Battery type	Rechargeable Li ion battery
Battery voltage	3.7 V
Battery capacity	2.6 Ah at +20°C (+68°F)
Battery note	Approximate lithium content: 0.7 g
Charging system	Battery is charged inside the camera or in separate charger
Charging temperature	0°C to +45°C (+32°F to +113°F)
Environmental data	
Battery storage temperature range	-40°C to +70°C (-40°F to +158°F)
Shipping information	
Packaging, weight	0.125 kg
Packaging, size	170 × 75 × 65 mm
EAN-13	4743254002432
UPC-12	845188012748
Country of origin	Estonia

Compatible with the following products

- 63901-0101; FLIR E4
- 63905-0501; FLIR E5
- 63902-0202; FLIR E6
- 63902-0207; FLIR E6 with Educational kit (DE)
- 63902-0204; FLIR E6 with Educational kit (EN)
- 63902-0208; FLIR E6 with Educational kit (ES)
- 63902-0206; FLIR E6 with Educational kit (FR)
- 63902-0205; FLIR E6 with Educational kit (IT)
- 63902-0209; FLIR E6 with Educational kit (JA)
- 63902-0210; FLIR E6 with Educational kit (KO)
- 63903-0303; FLIR E8