

FLIR E8 (incl. Wi-Fi)

P/N: 63908-0805

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Website

http://www.flir.com

Customer support

http://support.flir.com

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General description

The FLIR Ex series cameras are point-and-shoot infrared cameras that give you access to the infrared world. A FLIR Ex series camera is an affordable replacement for an infrared thermometer, providing a thermal image with temperature information in every pixel. The new MSX and visual formats make the cameras incomparably easy to use.

The FLIR Ex series cameras are user-friendly, compact, and rugged, for use in harsh environments. The wide field of view makes them the perfect choice for building applications.

Benefits:

- Easy to use: The FLIR Ex series cameras are fully automatic and focus-free with an intuitive interface for simple measurements in thermal, visual, or MSX mode.
- Compact and rugged: The FLIR Ex series cameras' low weight of 0.575 kg and the accessory belt
 pouch make them easy to bring along at all times. Their rugged design can withstand a 2 m drop
 test, and ensures reliability, even in harsh environments.
- Ground breaking affordability: The FLIR Ex series cameras are the most affordable infrared cameras on the market.

Imaging and optical data	
IR resolution	320 × 240 pixels
Thermal sensitivity/NETD	<0.06°C (0.11°F) / <60 mK
Field of view (FOV)	45° × 34°
Minimum focus distance	0.5 m (1.6 ft.)
Spatial resolution (IFOV)	2.6 mrad
F-number	1.5
Image frequency	9 Hz
Focus	Focus free

Detector data	
Detector type	Focal plane array (FPA), uncooled microbolometer
Spectral range	7.5–13 μm

Image presentation	
Display	3.0 in. 320 × 240 color LCD
Image adjustment	Automatic/Manual



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Image modes Thermal MSX, Thermal, Picture-in-Picture, Thermal blending, Digital camera. Multi Spectral Dynamic Imaging (MSX) IR image with enhanced detail presentation Picture-in-Picture IR area on visual image Measurement Measurement Accuracy -20°C to +250°C (-4°F to +482°F) Accuracy -20°C to +250°C (-4°F to 1482°F) Measurement analysis Spot (+30°F) or 22% of reading, for ambient temperature 10°C to 35°C (+50°F to 35°F) and object temperature above +0°C (+32°F) Measurement analysis Spot (+30°F) or 22% of reading, for ambient temperature above +0°C (+32°F) and object temperature Measurement analysis Spot measurement analysis Spot measurement analysis Desperature above +0°C (+32°F) and object temperature Accuracy desperature Desperature and blook of temperature Spot measurement temperature correction Advanced measurement data input of reflected temperature Set up <th co<="" th=""><th colspan="3"></th></th>	<th colspan="3"></th>			
Multi Spectral Dynamic Imaging (MSX) II Image with enhanced detail presentation Picture-in-Picture IR area on visual image Measurement Object temperature range -20°C to +250°C (-4°F to +482°F) ±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) Measurement analysis Sportmeter Area Box with max/min. Sotherm Above/below/interval Emissivity correction Variable from 0.1 to 1.0 Emissivity table Emissivity table of predefined materials Reflected apparent temperature correction Automatic, based on input of reflected temperature Set-up Color palettes Black and white, iron and rainbow Set-up commands Local adaptation of units, language, date and time formats Storage of images File formats Storage of images File formats Storage of images Digital camera, resolution 640 × 480 Digital camera, FOV Data communication interfaces Interfaces USB Micro: Data transfer to and from PC and Mac device Wi-Fi Peer-to-peer (ad hoc) or infrastructure (network) Radio Wi-Fi Peer-to-peer (ad hoc) or infrastructure (network) Radio Wi-Fi Peer-to-peer (ad hoc) or infrastructure (network) Radio Wi-Fi Automatic, based on input of reflected temperature and from PC and Mac device Wi-Fi Peer-to-peer (ad hoc) or infrastructure (network) Radio Wi-Fi Automatic, based on input of reflected temperature and from PC and Mac device Wi-Fi Automatic, based on input of reflected temperature and typical use Reflected apparent temperature and typical use Charging system Battery type Battery type Battery is charged inside the camera or in specific	Image presentation modes			
Picture-in-Picture	Image modes			
Measurement Object temperature range	Multi Spectral Dynamic Imaging (MSX)	IR image with enhanced detail presentation		
Object temperature range	Picture-in-Picture	IR area on visual image		
Accuracy #2°C (±3.6°F) or ±2°6 of reading, for ambient temperature 10°C to 55°C (±5.0°F to 95°F) and object temperature above +0°C (±32°F) and object temperature and type and temperature. Center spot	Measurement			
temperature 10°C to 35°C (+50°F to 95°F) and object temperature above +0°C (+32°F) and object temperature above +0	Object temperature range	-20°C to +250°C (-4°F to +482°F)		
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temperature and typical use Charging system Battery is charged inside the camera or in specific	Battery voltage	3.6 V		
	Battery operating time			
	Charging system	_ · · · · · · · · · · · · · · · · · · ·		



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Power system	
Charging time	2.5 hours to 90% capacity in camera. 2 hours in charger.
Power management	Automatic shut-down
AC operation	AC adapter, 90–260 VAC input, 5 VDC output to camera
Environmental data	
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)
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity
EMC	 WEEE 2012/19/EC RoHs 2011/65/EC C-Tick EN 61000-6-3 EN 61000-6-2 FCC 47 CFR Part 15 Class B
Radio spectrum	 ETSI EN 300 328 FCC 47 CSR Part 15 RSS-247 Issue 2
Encapsulation	IP 54 (IEC 60529)
Shock	25 g (IEC 60068-2-27)
Vibration	2 g (IEC 60068-2-6)
Drop	2 m (6.6 ft.)
Physical data	
Camera weight, incl. battery	0.575 kg (1.27 lb.)
Camera size (L × W × H)	244 × 95 × 140 mm (9.6 × 3.7 × 5.5 in.)
Color	Black and gray
Certifications	·
Certification	UL, CSA, CE, PSE and CCC
Shipping information	
Packaging, type	Cardboard box
List of contents	Infrared camera Hard transport case Battery (2x) USB cable Power supply/charger with EU, UK, US and Australian plugs Battery charger Printed documentation
Packaging, weight	3.13 kg (6.9 lb.)
Packaging, size	385 × 165 × 315 mm (15.2 × 6.5 × 12.4 in.)
EAN-13	4743254002890
UPC-12	845188014148
Country of origin	Estonia