

Part number:

**63903-0303**

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**Legal disclaimer**

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply.

Information and equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.

**Imaging and optical data**

IR resolution	320 x 240 pixels
Thermal sensitivity/NETD	< 0.06°C (0.11°F) / <60 mK
Field of view (FOV)	45° x 34°
Minimum focus distance	0.5 m (1.6 ft.)
Spatial resolution (IFOV)	2.6 mrad
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 x 240 color LCD
Image adjustment	Automatic adjust/lock image

**Measurement**

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)

**Measurement analysis**

Spotmeter	Center spot
Area	Box with max./min.
Isotherm	Above/below
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**

Storage media	Internal memory store at least 500 set of images
File formats	Standard JPEG, 14-bit measurement data included

**Data communication interfaces**

Interfaces	USB Micro: Data transfer to and from PC and MAC device
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**Power system**

Battery type	Rechargeable Li Ion battery
Battery voltage	3.7 V
Battery operating time	Approx. 4 hours at +25°C (+77°F) ambient temperature and typical use
Charging system	Battery is charged inside the camera or in specific charger.
Charging time	2.5 h to 90% capacity in camera. 2 h 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	<ul style="list-style-type: none"> <li>• WEEE 2012/19/EC</li> <li>• RoHs 2011/65/EC</li> <li>• C-Tick</li> <li>• EN 61000-6-3</li> <li>• EN 61000-6-2</li> <li>• FCC 47 CFR Part 15 Class B</li> </ul>
Encapsulation	IP 54 (IEC 60529)



## FLIR E8

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Bump	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)
Drop	2 m (6.6 ft.)
<b>Physical data</b>	
Camera weight, incl. battery	0.575 kg (1.27 lb.)
Camera size (L x W x H)	244 x 95 x 140 mm (9.6 x 3.7 x 5.5 in.)
Color	Black and gray
<b>Certifications</b>	
Certification	UL, CSA, CE, PSE and CCC
<b>Shipping information</b>	
Packaging, type	Hard case
Packaging, contents	<ul style="list-style-type: none"><li>• Infrared camera</li><li>• Hard transport case</li><li>• Battery (2x)</li><li>• USB cable</li><li>• Power supply/charger with EU, UK, US and Australian plugs</li><li>• Battery charger</li><li>• Printed Getting Started Guide</li><li>• Printed Important Information Guide</li><li>• User documentation CD-ROM</li><li>• Warranty extension card</li><li>• Thank you card</li><li>• Calibration certificate</li><li>• List of content</li><li>• FLIR Tools download card</li></ul>
Packaging, weight	2.95 kg
Packaging, size	303 x 206x 128 mm
EAN-13	4743254001015
UPC-12	845188004965