

Part number 60101-0201	Product name FLIR i5	Section
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Product description

The FLIR i5 is an easy-to-use point-and-shoot infrared camera that gives you access to the infrared world. The camera is an affordable replacement for an infrared thermometer, providing a thermal image with temperature information in every pixel.

The FLIR ix series cameras are light-weight, compact, and rugged, for use in harsh environments.

Benefits:

- **Easy-to-use:** The FLIR i5 is fully automatic and focus-free with an intuitive interface for simple measurement.
- **Compact and rugged:** The camera's low weight of 0.365 kg and an accessory belt pouch make it easy to bring along at all times. Its rugged design and passing a 2 m drop test ensure ease-of-use, even in harsh environments.
- **Ground breaking affordability:** The ix series cameras are the most affordable infrared cameras on the market.



Imaging and optical data	
IR resolution	100 × 100 pixels
Thermal sensitivity/NETD	< 0.1°C (0.18°F) / 100 mK
Field of view (FOV)	21° × 21°
Minimum focus distance	0.6 m (2 ft.)
Spatial resolution (IFOV)	3.7 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	2.8 in. 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
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	miniSD card
File formats	Standard JPEG, 14-bit measurement data included
Data communication interfaces	
Interfaces	USB Mini-B: Data transfer to and from PC
Power system	
Battery type	Rechargeable Li Ion battery
Battery voltage	3.6 V
Battery operating time	Approx. 5 hours at +25°C (+77°F) ambient temperature and typical use
Charging system	Battery is charged inside the camera.
Charging time	3 h to 90% capacity
Power management	Automatic shut-down
AC operation	AC adapter, 90–260 VAC input, 5 VDC output to camera
Environmental data	
Operating temperature range	0°C to +50°C (+32°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	• EN 61000-6-2:2005 (Immunity) • EN 61000-6-3:2007 (Emission) • FCC 47 CFR Part 15 Class B (Emission)
Encapsulation	Camera housing and lens: IP 43 (IEC 60529)

Bump	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)
Drop	2 m (6.6 ft.)
Physical data	
Camera weight, incl. battery	0.365 kg (0.80 lb.)
Camera size (L × W × H)	223 × 79 × 85 mm (8.8 × 3.1 × 3.4 in.)
Material	Polycarbonate + acrylonitrile butadiene styrene (PC-ABS) Thixomold magnesium Thermoplastic elastomer (TPE)
Color	Black and gray
Certifications	
Certification	UL, CSA, CE, PSE and CCC
Scope of delivery	
Packaging, type	Hard case
Packaging, contents	• Hard transport case (including padlock) • Infrared camera • Battery (inside camera) • Calibration certificate • Downloads brochure • FLIR Tools CD-ROM • Hand strap • miniSD card, with SD card adapter • Power supply/charger with EU, UK, US and Australian plugs • Printed Getting Started Guide • Printed Important Information Guide • Service & training brochure • USB cable • User documentation CD-ROM • Warranty extension card