

**Part number:**

**60101-0201**

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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             | 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 |
|---------------|-------------|

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## Storage of images

|              |   |
|--------------|---|
| 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                              | <ul style="list-style-type: none"> <li>EN 61000-6-2:2005 (Immunity)</li> <li>EN 61000-6-3:2007 (Emission)</li> <li>FCC 47 CFR Part 15 Class B (Emission)</li> </ul> |
| 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)<br>Thixomold magnesium<br>Thermoplastic elastomer (TPE) |
| Color                        | Black and gray   |

## Certifications

|               |                          |
|---------------|--------------------------|
| Certification | UL, CSA, CE, PSE and CCC |
|---------------|--------------------------|

## Scope of delivery

|                 |           |
|-----------------|-----------|
| Packaging, type | Hard case |
|-----------------|-----------|

- 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