

Part number:

39903-1501

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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

| | |
|--|--|
| Field of view (FOV) / Minimum focus distance | 25° × 25° / 0.10 m (0.33 ft.) |
| Spatial resolution (IFOV) | 3.64 mrad |
| Thermal sensitivity/NETD | <0.10°C (<0.18°F) @ +25°C (+77°F) / 100 mK |
| Image frequency | 9 Hz |
| Focus | Manual |
| Focal Plane Array (FPA) / Spectral range | Uncooled microbolometer / 7.5–13 μm |
| IR resolution | 120 × 120 pixels |

Image presentation

| | |
|--------------------|---|
| Display | Built-in 3.5 in. LCD, 256k colors, 240 × 320 pixels |
| Image modes | IR image, visual image, Picture in Picture, thumbnail gallery |
| Picture in Picture | IR area on visual image |

Measurement

| | |
|--------------------------|---|
| Object temperature range | –20 to +120°C (–4 to +248°F) 0 to 350°C (32 to +662°F) |
| Accuracy | ±2°C (±3.6°F) or ±2% of reading |

Measurement analysis

| | |
|---|--|
| Spotmeter | Center spot |
| Area | 1 box with min./max. |
| Emissivity correction | Variable from 0.1 to 1.0 or selected from list of materials |
| Reflected apparent temperature correction | Automatic, based on input of reflected temperature |
| IR window auto-correction | Automatic, based on inputs of optics/window transmission and temperature |

Set-up

| | |
|-----------------|---|
| Menu commands | Palettes (Black and White, Iron and Rainbow), image adjustment (auto/manual) |
| Set-up commands | Local adaptation of units, language, date and time formats; automatic shutdown, display intensity |

Storage of images

| | |
|---------------|---|
| Image storage | Standard JPEG, including measurement data, on memory card |
|---------------|---|

Digital camera

| | |
|-------------------------|--|
| Built-in digital camera | 0.6 Mpixels (768 × 768 pixels), and two LED lights |
| Digital camera, focus | Minimum focus distance 0.4 m (1.3 ft.) |

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Laser pointer

| | |
|-------|--|
| Laser | Semiconductor AlGaInP diode laser, Class 2 |
|-------|--|

Data communication interfaces

| | |
|-----|--|
| USB | <ul style="list-style-type: none"> USB-A: Connect external USB device (copy to memory stick) USB Mini-B: Data transfer to and from PC / streaming MPEG-4 |
|-----|--|

Power system

| | |
|------------------|---|
| Battery | Li Ion (field replaceable), 5 hours operating time |
| Charging system | In camera, AC adapter, 2-bay charger or 12 V from a vehicle |
| Power management | Automatic shutdown (user selectable) |
| AC operation | AC adapter, 90–260 VAC, 50/60 Hz, 12 V output to camera |

Environmental data

| | |
|----------------------------------|---|
| Operating temperature range | –15 to +50°C (+5 to +122°F) |
| Storage temperature range | –40 to +70°C (–40 to +158°F) |
| Humidity (operating and storage) | IEC 68-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F) |
| Encapsulation | IP 54 (IEC 60529) |
| Bump | 25 g (IEC 60068-2-29) |
| Vibration | 2 g (IEC 60068-2-6) |

Physical data

| | |
|------------------------------|---|
| Camera weight, incl. battery | 0.60 kg (1.32 lb) |
| Camera size (L × W × H) | 235 × 81 × 175 mm (9.3 × 3.2 × 6.9 in.) |

Scope of delivery

- Hard transport case
- Infrared camera with lens
- Battery
- Calibration certificate
- FLIR QuickReport™ PC software CD-ROM
- Memory card with adapter
- Power supply, incl. multi-plugs
- Printed Getting Started Guide
- Printed Important Information Guide
- USB cable
- User documentation CD-ROM
- Warranty extension card or Registration card