

Part number:

**39904-1601**

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### Corporate Headquarters

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### Customer support

<http://support.flir.com>

### Legal disclaimer

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

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### 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)
Accuracy	±2°C (±3.6°F) or ±2% of reading

### Measurement analysis

Spotmeter	Center spot
Area	1 box with min./max.
Isotherm	1 with above/below
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
Dew point alarm	1 dew point alarm
Insulation alarm	1 insulation alarm

### 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
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## 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.)

## Laser pointer

Laser	Semiconductor AlGaInP diode laser, Class 2
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## Data communication interfaces

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