

► FLIR TG268

24:1 IR Thermal Camera with Laser and Type K Thermocouple



Technical specifications

Imaging and Optics:

- IR resolution: 160 × 120 pixels
- Super resolution: 320 × 240 pixels
- Thermal sensitivity (NETD): <50 mK
- Field of view: 44° × 57°
- Spot ratio: 24:1
- Minimum measurement distance: 0.26 m
- Minimum focus distance: 0.5 m
- Spectral range : 7.5 to 14 μm
- Imaging modes: MSX® (Multi-Spectral Dynamic Imaging)
- Color palettes: Iron, Rainbow, White Hot, Black Hot, Arctic, Lava
- Display: 2.4" color LCD (320 × 240 pixels)
- Non-radiometric IR video recording: Yes

Power Supply :

- Battery: 3.7 V rechargeable Li-ion
- Battery life: 5 h continuous scan; 4.5 h with laser on
- Charging: USB Type-C (3 h to 90%, 4 h to full)
- Startup time: <10 s

Dimensions :

- 210 × 64 × 81 mm

Storage and Communication :

- Internal memory: 8 GB eMMC
- Image format: JPEG with spot temperature
- Interface: USB 2.0
- Connectivity: Bluetooth BLE
- App: FLIR METERLiNK® compatible

Product description

The **FLIR TG268** thermal camera enables the visualization and assessment of hot and cold spots that may indicate serious issues in electrical, mechanical, automotive, or HVAC systems. It combines a single-spot infrared thermometer with a thermal camera featuring MSX® (Multi-Spectral Dynamic Imaging) and super-resolution technology for enhanced image clarity. The 2.4-inch color LCD screen offers a clear view of readings. Compatible with the FLIR METERLiNK® app to easily capture, compare, analyze, and share diagnostics.

► Key Features

The **FLIR TG268** measures temperatures from -25 °C to +400 °C with an IR resolution of 160 × 120 (super resolution 320 × 240), a field of view of 57° × 44°, and a class 1 laser for precise targeting. It features a 2.4" color LCD screen (320×240), 4 GB memory for approximately 50,000 images, and up to 5 hours of battery life. Dimensions: 210 × 64 × 81 mm.

► Box Contents

The box includes the **FLIR TG268** thermal camera, a wrist strap for secure handling, a protective carrying case, a USB Type-C cable for charging and data transfer, a Type K thermocouple for extended temperature measurement capabilities, and printed user documentation to assist with setup and operation.

► Application and Connectivity

Compatible with the FLIR METERLiNK® app for capturing, analyzing, and sharing thermal measurements and images. Supports connection of up to seven compatible FLIR multimeters to centralize diagnostics.

► Typical Applications

Ideal for inspecting electrical, mechanical, and automotive equipment, performing preventive maintenance and failure detection, checking HVAC systems, and monitoring assets to identify early signs of wear or failure.

► Environment and Certifications

Features	Details
Protection rating	IP54
Drop resistance	Up to 2 m; shock 25 G; vibration 2 G
Operating temperature	-10 °C to +45 °C
Storage temperature:	-30 °C to +55 °C
Humidity	Up to 90% RH depending on temperature
Certifications	CE, CB, RCM, IEC60825-1, FDA, UL, CEC, NRCan
EMC standards	EN61000-6-3, EN61000-6-2, FCC Part 15 Class B
Radio standards	ETSI EN 300 328, FCC Part 15.249
Tripod mount	1/4" - 20 thread under handle

► Measurements and Analysis

Features	Details
Temperature range	-25 °C to +400 °C
Accuracy	±2.5% or ±2.5 °C (0–50 °C and 100–400 °C); ±3% or ±3 °C (-25–0 °C)
Emissivity correction	4 predefined levels + manual adjustment from 0.1 to 0.99
Type K thermocouple	Range -30 °C to +390 °C; accuracy ±1% or 3 °C
Center spot	Yes
Laser	Class 1 Bullseye for target indication

