Sefram

SEFRAM 9832
Thermography Camera 49 152 Pixels

High Resolution Handheld Thermography Camera With automatic hotter spot detection

The thermography camera SEFRAM9832 is designed for temperature measurement to find invisible faults. It's equipped with a 256 × 192 resolution thermal detector and 2MP optical detector. The thermography ranges from -20°C to 550°C (-4°F to 1022°F). Which meets most situation. It helps the staff to quickly find the fault according to accurate temperature measurement of high temperature targets in the environment. Meanwhile it provides assistant decision and ensure safety. The device is mainly applied to various industries, such as building, HVAC, and auto industry.

■ Key features :

- **Thermogaphy :** the camera detects the real-time temperature, and display it on the screen.
- **Storage :** the device is equipped with replaceable memory card to store recorded captured snapshots, and important data.
- **Palette :** the device supports 4 palettes.
- **Laser Ligh Supplement :** Long-distance laser light supplement to point the thermography target.
- **Fusion :** the camera provides fusion funcitonnality that allows to display both thermal and real image on the screen.
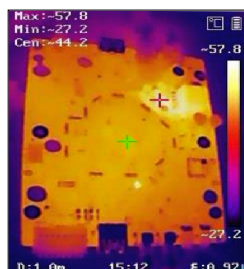
■ Specifications :

- Thermal resolution : 256 × 192 (49 152 pixels)
- NETD : < 40 mK
- Temperature measurement range : -20°C à 550°C
- Accuracy : Max. (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
- 25 Hz image frequency
- 3.2" LCD screen display
- PC software and mobile application
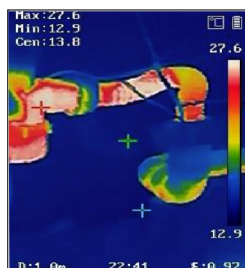- Up to 6 hours continuous running

■ Applications :
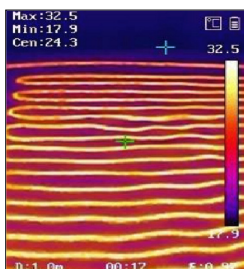
Floor heating system verification
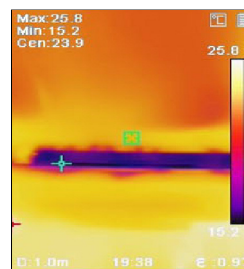
Printed circuits verification
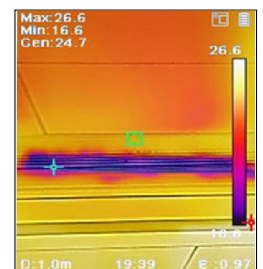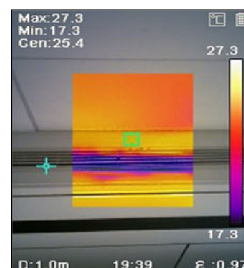
Hot water line verification

Electrical inspections

■ Image modes :

Thermal

Fusion

PIP

Optical

CE

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Cold spot
Hot spot
Central spot

■ Quick temperature measurement

Full screen measurement in virtue of different preset checks everywhere at very first sight.
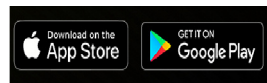Measurement presets: center spot, hot spot, cold spot, off.

■ High temperature alarm

Built-in speaker and flash light give the operator audio and visual alerts to high temperatures.

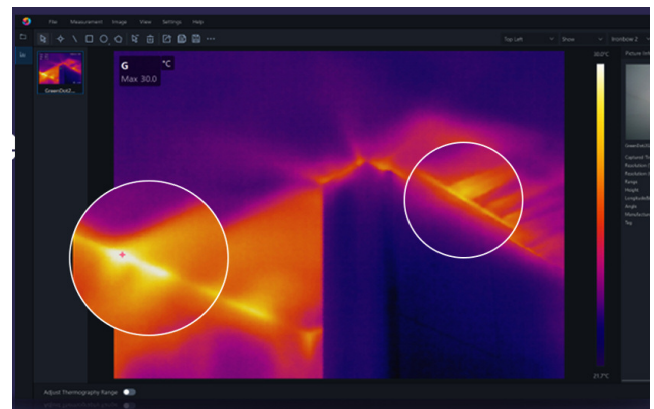## ■ Wi-Fi connectivity

Connect to mobile devices via built-in Wi-Fi and Sefram Viewer App to quickly share your images.

Download on the App Store
GET IT ON Google Play

■ PC software

Inclueded Sefram Thermal Analyzer software offers flexible ways (points, lines, rectangles, circles, polygons) to analyze thermographic information of captured pictures, and generate reports.

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Specifications		SEFRAM9832
Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	256 × 162 (49 152 pixels)
	Pixel Pitch	12µm
	Spectral Range	8µm to 14µm
	NETD	< 40mK (@ 25 °C,F#=1.0)
	Field of View	37,2° × 50 °
	Focal length	3,6 mm
	Image Frequency	25 Hz
	Focus	Fixed
	IFOV (mrad)	3,3 mrad
	Minimum Focus Distance	30 cm
	Aperture	F 1.0
Image Display	Display	240 × 320 Resolution, 3.2" LCD Screen
	Color Palettes	Black hot, White hot, Rainbow, Ironbow
	Image Modes	Thermal/Optical/Fusion/PIP
	PIP	Thermal Picture in Optical Picture
	Fusion	Thermal Picture and Optical Picture Combined
Measurement and Analysis	Object Temperature Range	-20 °C to 550 °C
	Measurement Presets	Center Spot, Hot Spot, Cold Spot, Point Presets, Off
	Accuracy	Max. (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
	Picture resolution	Audible and Visual Warning
Optical Module	Résolution de l'image	1600 x 1200 (2 MP)
	FOV	55° x 42°
	Focal Length	2 mm
Storage	Storage Media	EMMC (16 GB)
	Image Storage Capacity	90,000 Images
	Image File Format	JEPG with Measurement Data Included
Functions	LED light	Yes
	Wi-Fi	802.11/g/n (2,4 GHz)
	UVC screen mirroring	yes
	Niveau/Span	Auto/Manual
Power System	Power Supply	3,7 VDC / 0,5 A
	Power Consumption	1,8 W
	Battery type	Rechargeable Li-ion Battery
	Battery Operating Time	3h
	Battery Operating Time	6 Hours Continuous Running
Software	PC software	Sefram Thermal Analyzer
	Mobile application	Sefram Thermal Viewer App
	Castscreen	UVC
General	Menu Language	English, German, French, Spanish (Spain), Portuguese (Portugal), Italian, Czech, Slovak, Polish, Hungarian, Romanian, Dutch, Danish, Norwegian, Finnish, Swedish, Russian, Turkish, Japanese, Korean, Chinese (Traditional)
	Working Temperature Range	-10°C to 50°C (14°F to 122°F)
	Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
	Protection Level	IP54
	Drop Test Height	2 m
	Interface	USB Type-C
	Dimensions	221,7 mm x 73,5 mm x 80,6 mm
	Weight	Approximativly 380g
	Tripod Mounting	1/4''-20 UNC

Livré avec :

Quick Start Guide (x1)	Adapters (x5)	USB Cable (x1)	Power Adapter (x1)	Wrist Strap (x1)
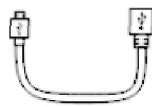
SEFRAM9832 A 00 - Specifications can be updated without notice

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