

## 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 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 application. 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 :

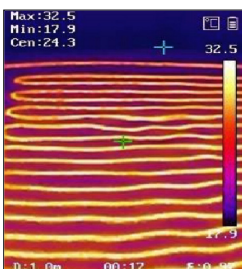
- **Thermography:** the camera detects the real-time temperature, and display it on the screen.
- **Storage:** the device is equipped with replaceable memory card to store recorded captured snapshots, and important data.
- **Palette:** the device supports 4 palettes.
- **Fusion:** the camera provides fusion function that allows to display both thermal and real image on the screen.

#### Specifications :

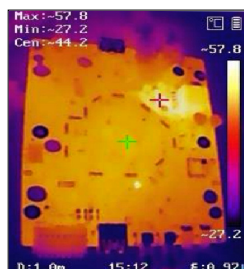
- Thermal resolution: 256 × 192 (49 152 pixels)
- NETD: < 40 mK
- Temperature measurement range: -20°C to 550°C
- Accuracy: Max. (± 2°C/3.6°F, ± 2%), for ambient temperature from 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
- 25 Hz image frequency
- 3.2" LCD screen display
- PC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



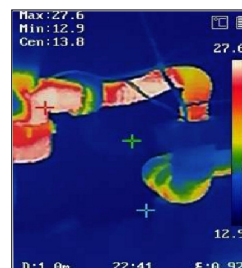
#### Applications :



Floor heating system verification



Printed circuits verification

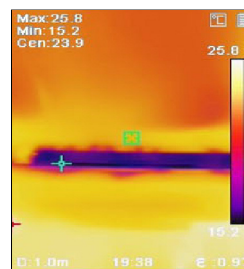


Hot water line verification

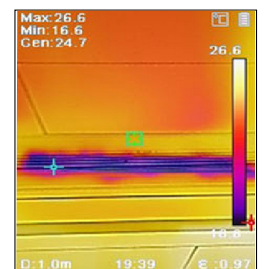


Electrical inspections

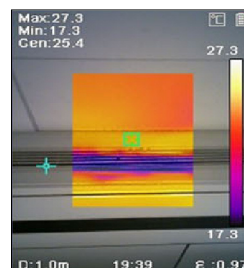
#### Image modes :



Thermal



Fusion



PIP



Optical

# SEFRAM9832

Sefram

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## ■ 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.



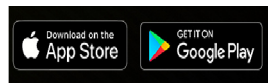
## ■ High temperature alarm

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



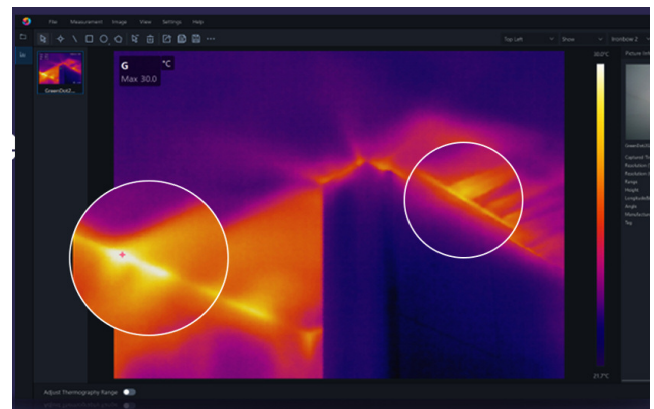
## ■ Mobile application (available end of september 2022)

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



## ■ PC software

Included 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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## Thermography Camera 49 152 Pixels

Specifications		SEFRAM9832
Thermal Module	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	IR Resolution	256 x 192 (49 152 pixels)
	Pixel Pitch	12µm
	Spectral Range	8µm to 14µm
	NETD	< 40mK (@ 25 °C, F#=1.0)
	Field of View	37,2° x 50 °
	Focal length	3,6 mm
	Image Frequency	25 Hz
	Focus	Fixed
	IFOV (mrad)	3,3 mrad
Image Display	Minimum Focus Distance	30 cm
	Aperture	F 1.0
	Display	240 x 320 Resolution, 3.2" LCD Screen
Image Display	Color Palettes	Black hot, White hot, Rainbow, Ironbow
	Image Modes	Thermal/Optical/Fusion/PIP
	PIP	Thermal Picture in Optical Picture
Image Display	Fusion	Thermal Picture and Optical Picture Combined
	Object Temperature Range	-20 °C to 550 °C
	Measurement Presets	Center Spot, Hot Spot, Cold Spot, Point Presets, Off
Measurement and Analysis	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	Optical resolution	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	JPEG 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
Software	Battery Operating Time	6 Hours Continuous Running
	PC software	Sefram Thermal Analyzer
	Mobile application	Sefram Thermal Viewer App
General	Castscreen	UVC
	Menu Languages	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	Approximately 380g	
Tripod Mounting	1/4"-20 UNC	

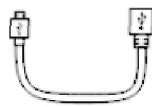
### Supplied with:



Quick Start Guide (x1)



Adapters (x5)



USB Cable (x1)



Power Adapter (x1)



Wrist Strap (x1)

### For assistance and ordering



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SEFRAM9832 A 00 - Specifications can be updated without notice



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