



Sorama
make sound insightful

Sorama CAM iV64 Product sheet



Sorama CAM iV64

The Sorama CAM iV64 is a state-of-the-art acoustic camera, which enables you to show both highly accurate sound levels and localize where sound is coming from on the 7-inch touch display.

Specifically designed for users who want mobility and have instant acoustic information available to them, in order to perform in-field measurements with confidence.

Features include:

- **Class 1 Performing SLM Functionalities**
 - **Realtime Spectrum**
 - **Realtime Spectrogram**
 - **Far Field Sound source localization and visualization**
 - **Sorama Portal compatible data for in-depth analysis**
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Sorama CAM iV64

Class 1 performing sound level meter and portable acoustic camera.

64 MEMS microphones in a **sunflower pattern array**.

Extremely fast GPU and CPU for instant processing power.

Portrait oriented **7-inch** high-resolution touchscreen.

Intuitive touch user interface with a Sorama Portal look and feel.

A swappable **smart battery** allows for a full working day of operation.

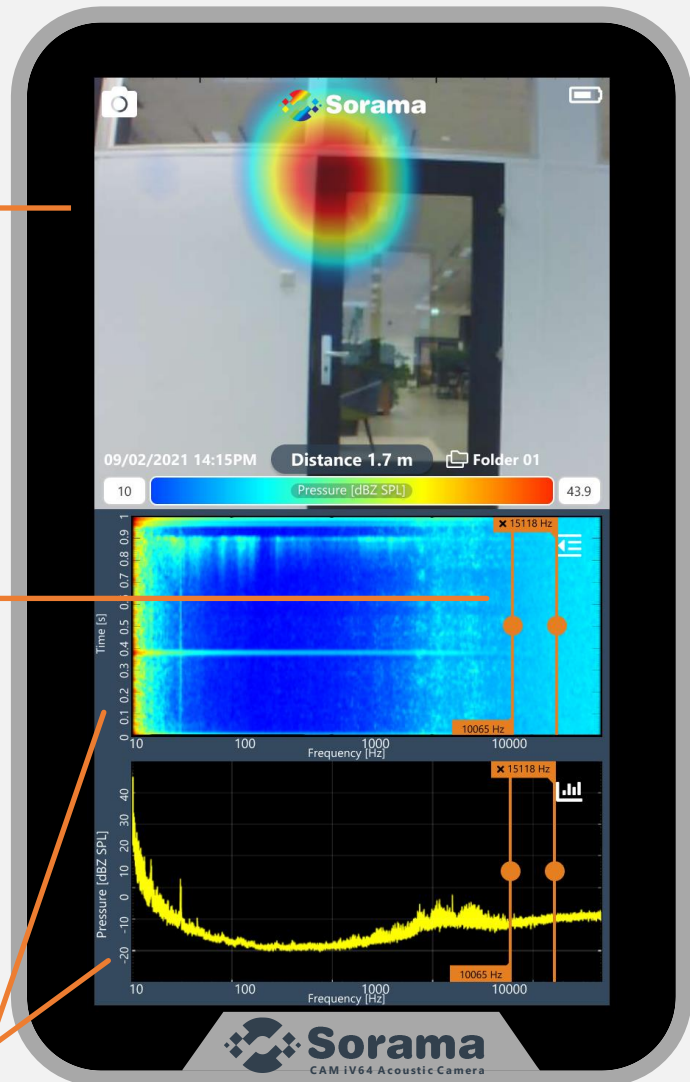


Sorama CAM iV64 User Interface

The **portrait style user interface** is designed to provide a smartphone like feel, that is both intuitive and can be tailored to your needs.

Easy frequency selection by selecting a custom frequency band on the touch display.

Spectrum and **spectrogram** can simultaneously be displayed in real time.

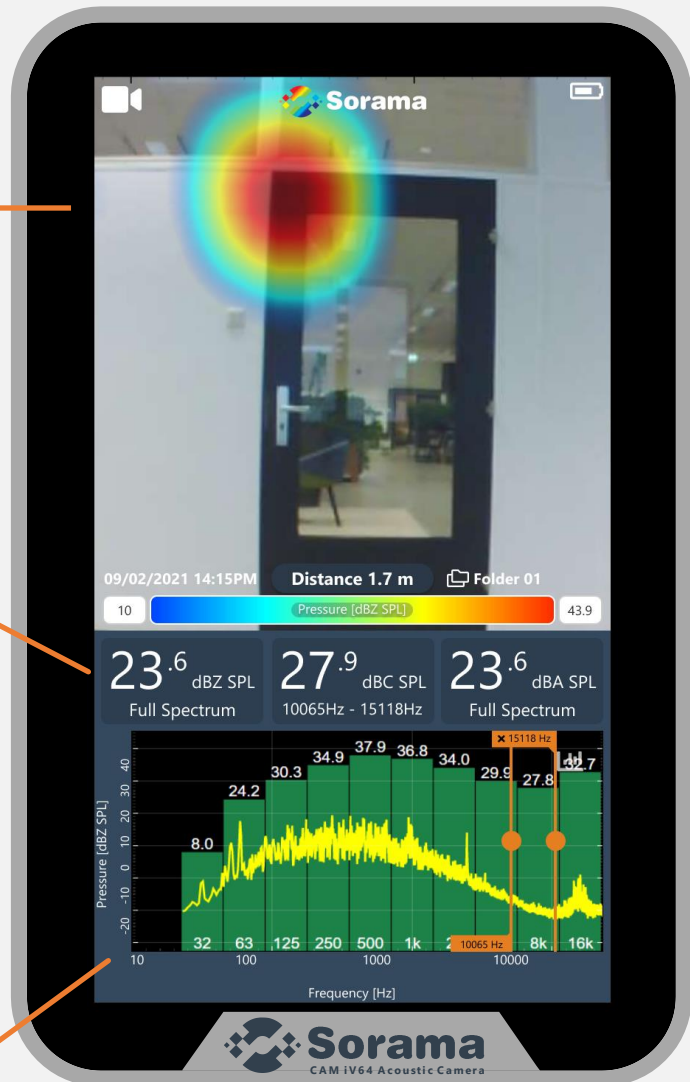


Sorama CAM iV64 User Interface – SLM Mode

The **Sound Level Meter Mode** is designed to provide easy selectable settings and accurate SPL information including visual acoustic data.

Full spectrum or frequency selected dB values can be displayed simultaneously in real-time and in various Frequency- & Time Weightings.

Besides showing only spectrum information you can also overlay the spectrum with **octave bands** in 1/1 & 1/3.



Physical Properties

Size	42 x 32 x 16 cm	L x W x D
Weight	2.32 kg	Including battery
Connectivity	USB-C	USB 3.0
Battery	Rechargeable & swappable smart battery	Battery life \pm 4 hours
Hardware connections	1/4" screw connection	Tripod mountable

Storage

Internal	Approx. 7Gb	Expandable via upgrading to SSD
External	Up to 2TB	Storage expandable with USB-C flash drive*
Storage formats	Sorama File Format containing a (video, audio and or image file)	Sorama data format compatible with Sorama Portal for data analysis

Display & Camera

Touch display	7-inch LCD capacitive touchscreen
Display resolution	720x1280
Camera resolution	1280x960

Microphones

Type	MEMS	Digital bottom port
SNR (A-weighted, at 1 kHz)	66 dB per channel	
Sensitivity	-37 \pm 1 dB FS	At 1 kHz, 94 dB SPL
Acoustic overload point	132.5 dB SPL	At 1 kHz, <10% THD

Measurement Features

Sampling rate	240 kHz	
Spectrum analysis	29 Hz – 27 kHz*	
Spectrogram analysis	0-10s+ 29 Hz – 27 kHz*	Streaming + recording
Beamforming (far-field)	500 Hz – 27 kHz*	Streaming + recording

*For custom requests above the 27kHz maximum frequency limit, please contact Sorama.

**Only compatible with memory sticks USB 3.1 Gen 2 or higher