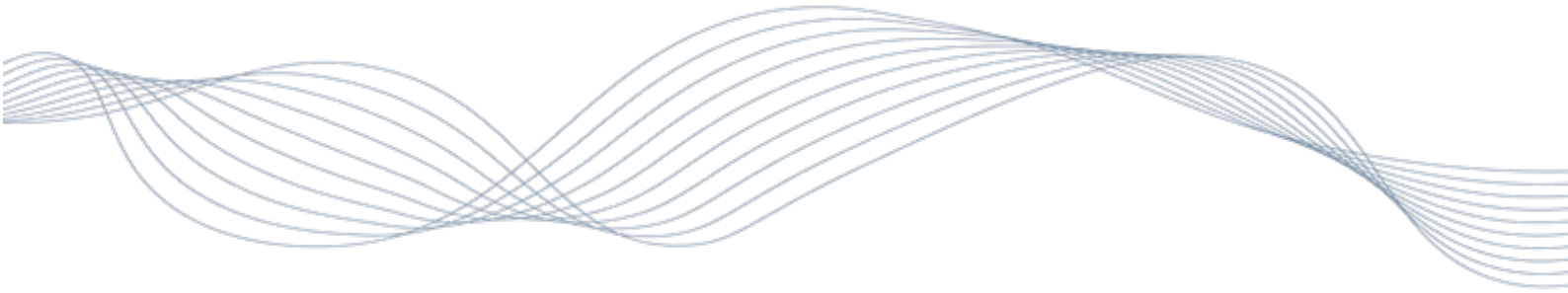
Sorama CAM iV64s

User Manual



Sorama

October 2025 v.2.20.0

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CONFORMITY

Sorama B.V.
Achtseweg Zuid 153H
5651 GW Eindhoven
The Netherlands

This document is subject to change without notice.

Declare under our sole responsibility that the product:

Product name	Acoustic Camera
Model number	Sorama CAM iV64s

is in conformity with the requirements of the following EU Directive or other normative documents. This declaration is based on the products' full compliance with the following European standards:

- General Safety
  - IEC 61010-1
- For Electromagnetic compatibility directive (EMC)
  - EN 301 489-17 V3.2.4 referring to EN 301 489-1 V2.2.3
  - EN 55032:2015 Class B
  - EN 61000-4-3:2006
  - EN 61000-4-2:2009
- RoHS3 Restriction of Hazardous Substances
  - EU2011/65/EU RoHS2
  - EU2015/863

Technical Compliance Data held by:

Sorama B.V.
Achtseweg Zuid 153H
5651 GW Eindhoven, NL

https://www.sorama.eu/
info@sorama.eu

Signed for and on behalf of Sorama B.V.
Address: Achtseweg Zuid 153H, 5651 GW, Eindhoven

WARRANTY INFORMATION

The Sorama CAM iV64s is covered by a one-year warranty from the date of purchase. This warranty covers repair services for malfunctions or abnormalities caused by product quality issues. The warranty does not cover damage resulting from improper use, accidental impacts, or unauthorized disassembly. Disassembling the product without authorization voids the warranty. Sorama offers repair services for damage outside warranty conditions.

The device is factory calibrated. Sorama accepts no liability for injuries, accidents, or damage resulting from improper use or operation in unsafe conditions. Non-compliance with safety guidelines, including tampering with the casing, will invalidate the warranty.

SAFETY INFORMATION

This section contains essential information for safe operation. It must remain accessible to all users throughout the product's operational life.

Refer to the latest version of the manual on the Sorama website, as digital updates are published regularly. The revision number and date appear on the first page of each version.

Operate the product only as instructed and according to local safety regulations.

This product is designed solely for sound measurement. It performs reliably under the conditions described in this manual.

Follow the operating instructions to ensure accurate results.

Physical Damage

If visible physical damage occurs, stop using the product immediately and remove the battery. Contact Sorama with a description of the damage for further assessment.

Replacement Parts and Accessories

Use only manufacturer-approved parts and accessories. Using unapproved components may compromise the product's safety and function.

To avoid electric shock, fire, or injury, follow these guidelines:

Product-specific

- Read all safety information before operating the product.
- Do not open or attempt repairs yourself.
- Use the product only as intended to maintain its safety rating.
- Avoid use near explosive gases, vapors, or in wet environments.
- Do not operate a damaged or malfunctioning product.
- Maintenance must be performed by Sorama-authorized personnel.
- Contact Sorama if service is required.

Battery-specific

- Do not disassemble or crush battery cells or packs.
- Batteries contain hazardous chemicals. If exposed, rinse with water and seek medical attention.
- Contact Sorama if the battery leaks.
- Remove batteries if not used for extended periods or stored above 35°C (95°F).
- Use only Sorama-approved power adapters for charging.
- Do not short-circuit battery terminals or store batteries where short-circuiting could occur.
- Keep batteries away from heat, fire, or direct sunlight.
- If a battery becomes hot (≥50°C/122°F) while charging, unplug the charger and move the product to a cool, non-flammable place.
- Only Sorama can supply replacement batteries.

BATTERY

Specifications:

Model	RRC2057 (2S2P)
Type	Lithium Ion
Voltage	7.20V
Capacity	6.90Ah
Max. charge current	4.83A
Max. charge voltage	8.40V
Max. discharge current	9.50A
Dimensions (L x W x H)	85.35 x 77.65 x 23.0 mm
Weight	230g

⚠️ ⚠️ **Warning**

- For personal safety and safe operation:
- Keep battery cells and packs away from heat or fire.
- Avoid direct sunlight exposure.
- Do not disassemble or crush battery components.
- Remove batteries during long storage periods to prevent leakage or damage.
- Always connect the charger to a power outlet before charging.
- Only use Sorama-approved adapters for charging.
- Keep battery contacts clean and dry. Use a clean, dry cloth if cleaning is necessary.

⚠️ **Caution**

To prevent battery damage:

- Do not store in high-temperature environments (e.g., parked vehicles in the sun).
- Avoid leaving the battery in the charger longer than 24 hours.
- Charge at least every six months for best battery life. Batteries self-discharge over time.
- Operate only within the specified temperature range.
- Do not incinerate the battery or device.

The Sorama CAM iV64s includes two lithium-ion batteries, allowing quick replacement during use.
Charging is done through a single-bay base powered by a supplied adapter. Country-specific plug adapters are included.

The battery complies with the following standards:

- UN Model regulations, Manual of Tests and Criteria Part III Subsection 38.3
- FCC part 15
- UL2054/UL60950-1
- IEC62133
- RoHS
- CE

The battery is manufactured under a quality management program as specified in section 2.9.4 of the UN Model Regulations.

Symbols:

Symbol	Description
	The product has been assessed by the manufacturer and complies with EU safety, health and environmental protection requirements.
	Certifies that the electromagnetic interference from the product is under the limits approved by the Federal Coimmunostains Commission.
	Dispose of this product according to local Regulations. Do not dispose of this product as unsorted municipal waste.
	Cautionary notice!
	Consult accompanying documents.

To replace the battery in the Sorama CAM iV64s:

- Slide the battery cover lock to open the battery compartment.
- Remove the used battery.
- Insert a fully charged battery into the compartment.
- Close and secure the battery cover.

DESCRIPTION

The Sorama CAM iV64s is a high-performance acoustic camera that visualizes sound intensity and localizes sources in real-time. It features a 7-inch touchscreen display and is optimized for portability, enabling precise in-field measurements.

Features

- Real-time spectrum analysis
- Far-field sound source localization and visualization
- Report generation via the Sorama Portal
- Leak Inspection
- Partial Discharge Inspection
- Mechanical Inspection

Technical data

1.1. Physical properties

Size	170 x 350 x 157 mm 6.7 x 13.8 x 6.2 inch	L x W x D
Weight	1.8 kg 3.9 lb	Including battery
Connectivity	USB-C and Wireless	USB 3.0 and dual-band 2x2 802.11ac WLAN (Only available in some regions)
Battery	Rechargeable battery	Battery life ±4 hours
Hardware connections	1/4” screw connection	Tripod mountable (Only outside the hazardous zone)

1.2. Storage

Internal	500 GB
Storage formats	The Sorama File Format EX (.sorX file) is compatible with Sorama Portal for report generation.

1.3. Display camera

Touch display	7-inch LCD capacitive touchscreen
Display resolution	720p
Camera Resolution	720p

1.4. Acoustics

SNR (A-weighted, at 1 kHz)	64 dB per channel	At 1 kHz, 94dB SPL
Sensitivity	-26 dB FS +/- 1 dB FS	At 1 kHz, 94 dB SPL
Acoustic overload point	120 dB SPL	At 1 kHz, <10% THD
Auto min/max	Auto or manual, user-selectable	

1.5. Measurement features

Sampling rate	240 kHz (max)	
Frequency resolution	29 Hz	
Operating distance	0.3m to 120m	
Spectrum analysis	29 Hz — 120 kHz	
Beamforming (far-field)	500 Hz — 120 kHz	Streaming + recording

Environment

1.6. Ambient temperature

- Operating temperature: -20°C to 50°C (-4°F to 122°F)
- Humidity: 10—90% RH (non-condensing)

Condensation caused by water can damage the device.

Protection

⚠️ ⚠️ Warning

The microphones have an Acoustic Overload Point (AOP) of 132 dB. Exposing them to levels above this may result in permanent damage.

⚠️ ⚠️ Warning

The USB-C port is for data transfer only. It cannot be used for charging.

Avoid water entering the MEMS microphones. If exposed to moisture, orient the sensor head to allow drainage and let it dry before reuse.

GETTING STARTED

List of items

The following items are included with the product:

Number	Description	Quantity
1	External Battery Charger	1
2	Rechargeable Lithium-ion Battery Pack	2
3	Country-Specific Adapters for Battery Charger	1
4	USB-C to USB-A Cable (1.5m)	1
5	Sorama CAM iV64s Acoustic Camera	1
6	Protective Case	1
7	Accessory Bag	1
8	Shoulder Strap	1

9	Hand Strap	1

Hardware features and configuration

Number	Description
1	LED Indicator
2	USB-C Connector
3	Touchscreen Display
4	Shoulder Strap Anchor
5	Battery Compartment / Tripod Connector
6	Acoustic Sensor / Webcam
7	Power on / Measurement Trigger Button / Force Shut Down
8	Hand Strap Anchor and Screw Point

⚠ ⚠ Warning

The USB-C port is only for data communication. It does not support charging.

Installing the Strap

The device includes two straps: a shoulder strap and a hand strap.

Shoulder Strap: Insert the short end of the strap into the shoulder strap anchor and secure it by looping it through the hook. Attach the longer part using the metal hook.



Hand Strap: Attach the hand strap to the anchor and screw point. Tighten using the screw, then thread the other end through the provided slots and fasten it.



Power up and LED indicator

To power on the device, press the trigger button located on the grip. The LED near the USB-C connector indicates the device status:

LED Color	Description
Red	The device is booting
Green	The device is fully booted, and the default user interface is running
Blue	The device is still switched ON, but the application is not running anymore

Power off

To shut down the device, press and hold the trigger button for 2 seconds.

To perform a hard reset, press and hold the trigger button for 5 seconds.

Home screen

When the device is booted, the home screen displays several icons with the following meanings:

Symbol	Description
	Battery level
	Storage space is less than 1 GB
	Recording disabled, memory full
	Wi-Fi connection

Good to know / background info

- **Sound Pressure Level**
  Sound is defined as pressure variations in the air. Sound pressure level (SPL) quantifies these variations and is expressed in decibels (dB SPL). It is a weighted sum of the frequency components of the acoustic signal.
- **SoundSurface**
  A SoundSurface visualizes SPL values across the area under investigation. It identifies the origin of sound sources, often overlaid on the camera feed to match sound with visual locations.

- **Frequency Spectrum**
  The frequency spectrum shows the distribution of sound signal amplitudes (in dB SPL) across frequencies (in Hz). It highlights the contributing frequency components of a sound.

- **Field of View (FOV)**
  The webcam's observation angles are:
  - Horizontal FOV: 53°
  - Vertical FOV: 36°

- **Beamforming**
  Beamforming is a signal processing technique that uses a microphone array to localize sound. It calculates the location based on the time delay of sound arrival at each microphone.

- **Frequency band selection**
  This feature lets users isolate and display only selected frequency ranges by filtering out all others.

- **Partial discharge**
  Partial discharge is an electrical discharge that does not bridge the gap between two conductors. It often indicates insulation defects and occurs in high-voltage components.

- **External Discharge**
  Occurs when electrical current flows outside its intended path, usually due to insulation failure. It can lead to sparking or arcing.

- **Internal Discharge**
  Usually results from defects inside solid insulation (e.g., cables, bushings). These discharges are destructive and can cause complete insulation failure over time.

- **Surface Tracking**
  Surface discharge, also known as surface tracking, occurs when electrical discharge travels along an insulation surface.

- **PRPD Plot (Phase Resolved Partial Discharge)**
  This plot shows discharge amplitude versus phase angle. It helps identify and classify partial discharge events.

- **Gas Leaks**
  Uncontrolled release of gas from pipelines or containment systems.

- **Hose Leakage**
  Holes or cuts in flexible hoses, common in pneumatic connections.

- **Open-End Leakage**
  Occurs when tubing or piping is unintentionally left open.

- **Quick-Connect Leakage**
  Leaks from damaged or improperly sealed quick-connect fittings.

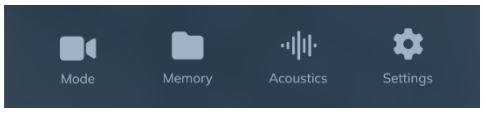
- **Threaded Coupling Leakage**
  Results from loose or deformed threaded end caps or connectors.

- **PF Curve**
  The PF curve plots the interval between an asset's potential failure (P) and functional failure (F). It is used to determine optimal times for preventive maintenance.

- **Cavitation**
  Cavitation refers to the formation and collapse of vapor bubbles in a liquid, typically due to rapid pressure changes. It can damage equipment like pumps and valves.

MENU

Swipe down from the top of the screen to open the main menu.



The menu provides access to key features and settings. Tap an icon to select a feature. Selected icons appear highlighted.

Menu items:

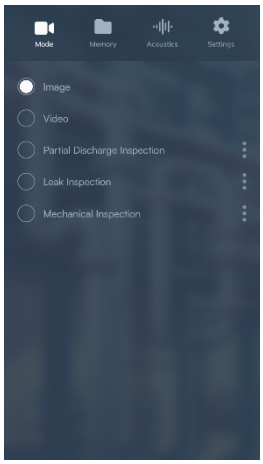
	**Mode**	Access measurement modes such as Image, Video, Partial Discharge Inspection, Leak Inspection, and Mechanical Inspection.
	**Memory**	Manage saved measurements: rename, transfer, or delete files.
	**Acoustics**	Adjust sound-related settings like dB scale and sample rate.
	**Settings**	Access general settings, Wi-Fi, screen sharing, licenses, aesthetics, date/time, and device info.

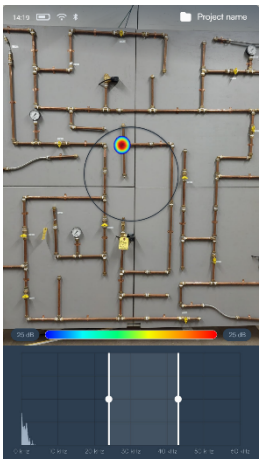
Mode

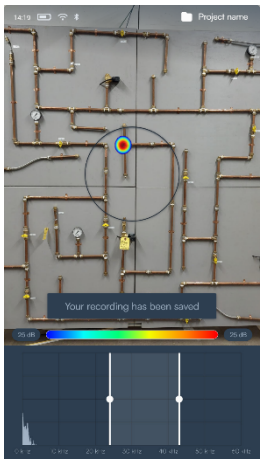
Tap the 'Mode' icon in the navigation menu to access available modes. The list of modes depends on the licenses installed on the device. Basic modes include Image and Video. Additional modes such as Partial Discharge Inspection, Leak Inspection, and Mechanical Inspection require specific licenses. **For licensing information, see Section “Feature Licensing”.**

1.7. Image

Use this mode to capture still images. Press the trigger button once to take a screenshot. The device will confirm with the message: “Your recording has been saved.” Images are saved in .jpeg format.

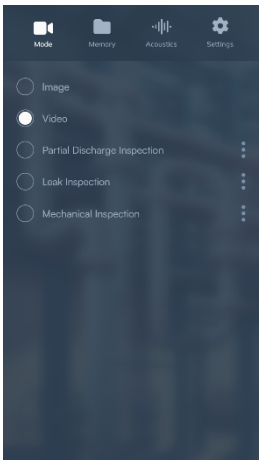


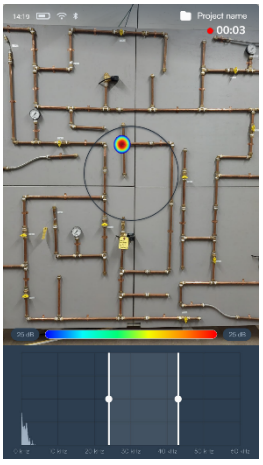


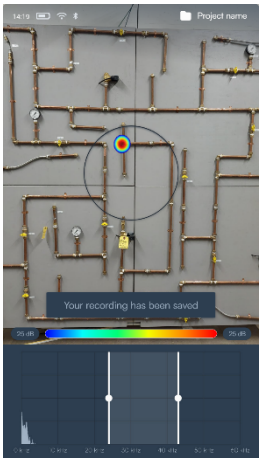


1.8. Video

Use this mode to record video. Press the trigger button once to begin recording, and press it again to stop. The device will confirm with the message: “Your recording has been saved.” Videos are saved in .mp4 format. Video recordings have a maximum duration of 10 minutes.

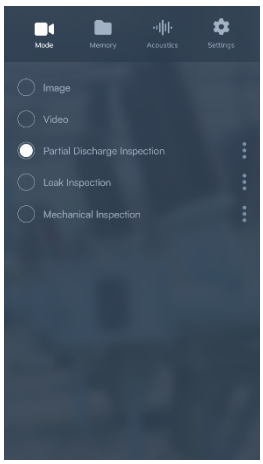


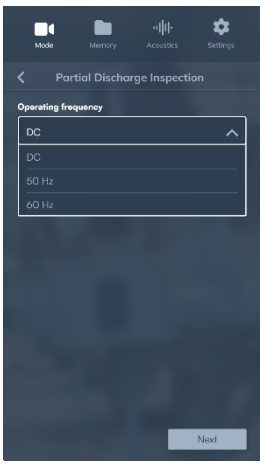


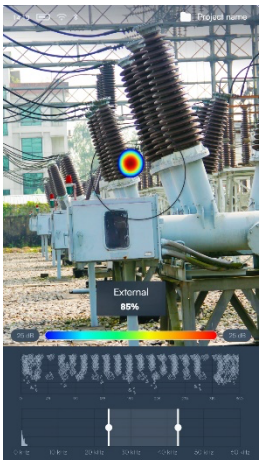


1.9. Partial Discharge Inspection

This mode identifies partial discharge such as voids, gaps, sharp points, or air discharges in high-voltage (HV) assets. Use the three-dot menu to select the operating frequency: DC, 50Hz, or 60Hz.







Point the camera toward the suspected source, keeping it within the on-screen circle. Select a spectrum band between 35kHz and 40kHz and press the trigger. The progress bar shows measurement status. After completion, the PRPD plot and spectrum will appear with discharge type classification: External, Internal, or Tracking.

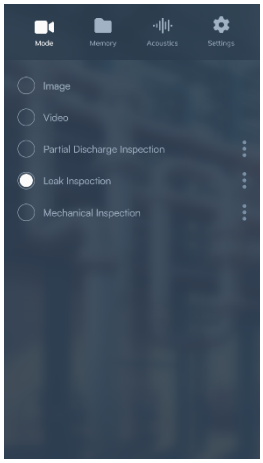
1.10. Leak Inspection

This mode detects and estimates the size of compressed air or gas leaks. Accuracy depends on environmental conditions such as distance and noise. Estimated minimum detectable flow:

Quiet environment	0.3m to 5m	0.02l/min to 0.1l/min
	5m to 10m	0.1l/min to 0.2l/min
Noisy environment	0.3m to 5m	0.05l/min to 0.15l/min
	5m to 10m	0.15l/min to 0.3l/min

Use the three-dot menu ⋮ to configure:

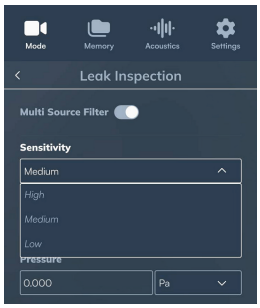
- Unit system: Metric or Imperial
- Pressure: System pressure input
- Gas cost: Enter or leave at zero for air
- Electricity cost: kWh rate
- Power ratio: Specific compressor value
- Operating hours: Annual runtime in hours



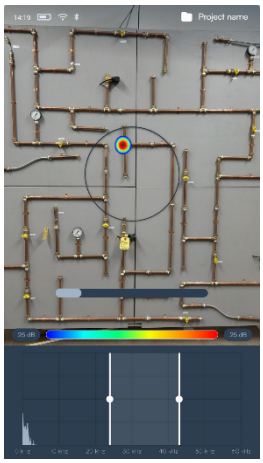
These values will be used to estimate the cost of the leak.

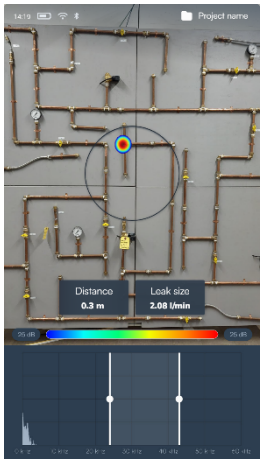
The Multi Source Filter option makes visualizing multiple sources easier. If no sources are present, no SoundSurface will be visible. Up to four simultaneous sources can be visualized, but only the loudest source will be used for the Leak size estimation.

When the Multi Source Filter is enabled, a Sensitivity setting becomes available. High sensitivity will show more sources but is more susceptible to background noise or interference. Low sensitivity will show less false positives but requires the leaks to be significantly louder than your background noise. Small leaks might get missed when this option is selected.



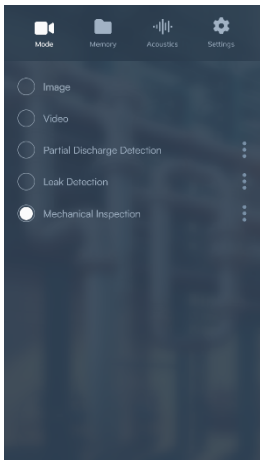
To measure, aim the camera towards the leak source and position it within the on-screen circle. Select a spectrum band between 30kHz and 50kHz and press the trigger. Estimated distance and leak rate will appear after processing.

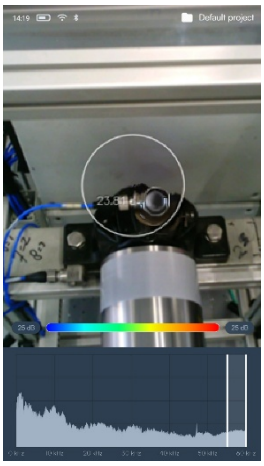


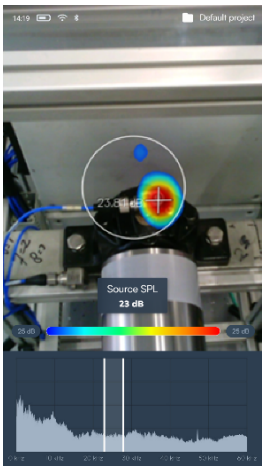


1.11. Mechanical Inspection

Used to inspect the condition of rotating mechanical assets.







Point the on-screen circle at the part you want to analyze.

Move the frequency block across the spectrum from high to low frequencies. Watch for a visible sound blob to appear on the component. This may signal an early-stage fault, based on the PF (potential failure) curve. The screen displays the sound pressure level (SPL) at the source during this process.

Memory

Tap the memory icon in the menu to manage saved measurement files. Files are organized in folders and can be renamed, transferred, or deleted.

Tap 

to access the file storage.

All measurements are saved in the 'default' folder unless a different folder is selected.

Folders

To create a new folder:

- Tap 'New Project'
- Enter a folder name
- Tap to confirm creation

To select a folder for saving new measurements:

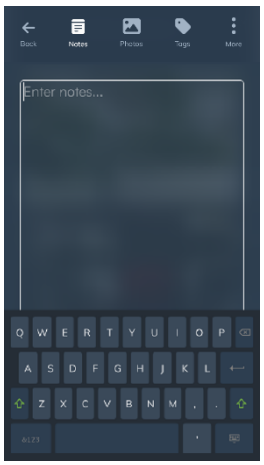
- Tap and hold the folder name
- Tap 'Activate'. The active folder icon turns white

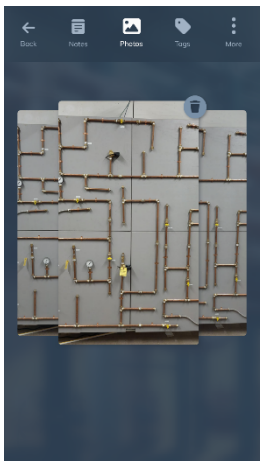
Access to Measurements

Open a folder to view its contents. Tap a file to access additional options:

- Notes — Add comments or relevant information about the measurement.
- Images — Add supporting images such as asset positioning or conditions. Tap '+' to upload. These images will be added to the report.
- Report — Input metadata like asset name, ID, type, and inspection status (Undetermined, As Found, As Left).

Specific measurement types may display additional analysis results.



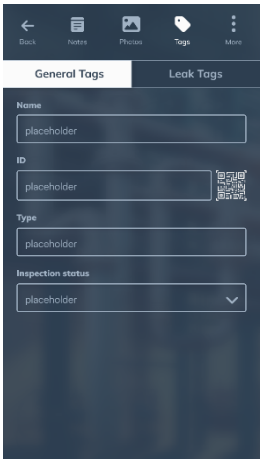


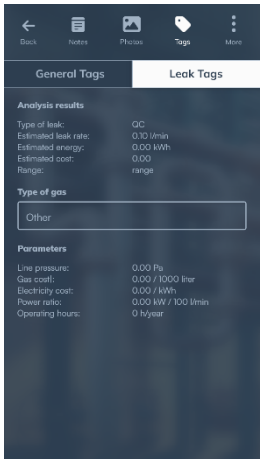
"**Report**" might also contain measurement-specific tags.

For Leak Inspection, results include:

- Leak type
- Estimated leak rate
- Estimated energy consumption
- Estimated cost

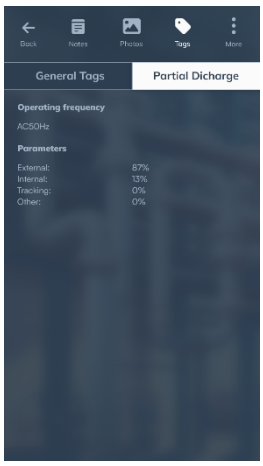
For more information on types of leaks, please refer to Section "Good to know / background info".





Partial Discharge Inspection results include:

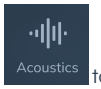
- Operating frequency selected during measurement
- Discharge type classification



Tap '**More**' on a file to:

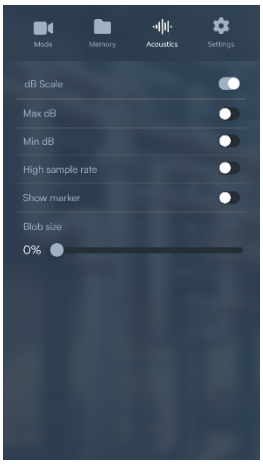
- Send Report — Email a report to a specified address. The device must be connected to the internet for this function to work.
- Delete — Permanently remove the file from device storage.

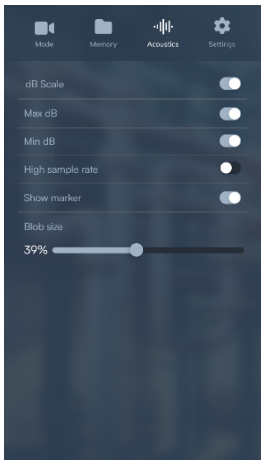
Acoustics

Tap 

to adjust the acoustic settings:

- **dB Scale:** Toggles the display of the SPL (sound pressure level) scale on the main screen for all modes.
- **Max dB:** Sets the upper limit of the displayed dB scale. Can be set manually (if enabled) or automatically (if disabled).
- **Min dB:** Sets the lower limit of the dB scale. Also configurable manually or automatically.
- **High sample rate:** Enables a sampling rate of 240 kHz for high-frequency measurements. To apply this setting, toggle the switch, then tap 'Restart' on the confirmation screen. The device will reboot in the selected mode. Tap 'Cancel' to dismiss without rebooting. This option is only available with a valid Leak Inspection license.
- **Show Marker:** Displays a dB marker on-screen that shows the sound pressure level at the most dominant source. The marker appears at the center of the strongest signal within the selected frequency band.
- **Blob Size:** Adjusts the size of the visual sound indicators (blobs) for better clarity. Smaller sizes are recommended for low-frequency applications; larger sizes for high-frequency applications.

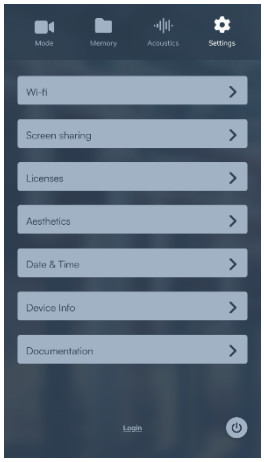




Settings

Tap 

to view the general device settings.

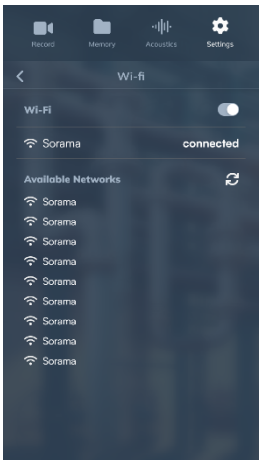


1.12. Wi-Fi

Enable Wi-Fi to connect the device to the internet. A list of available networks will appear.

Tap a network name to view its signal strength and security protocol. Tap ‘Connect’ to proceed or ‘Cancel’ to return.

Note: iPhone users should enable ‘Maximize Compatibility’ in hotspot settings.

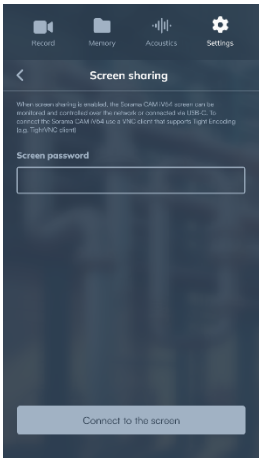


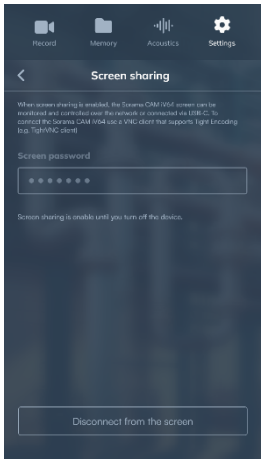
1.13. Screen Sharing

Ensure both the device and your computer are connected to the same Wi-Fi network.

Set a password in the Sorama CAM iV64s screen sharing menu. Use a VNC client (such as TightVNC Viewer or Remote Ripple) with Tight Encoding to access the screen remotely.

Press F1 on your keyboard to start a measurement while using the viewer.

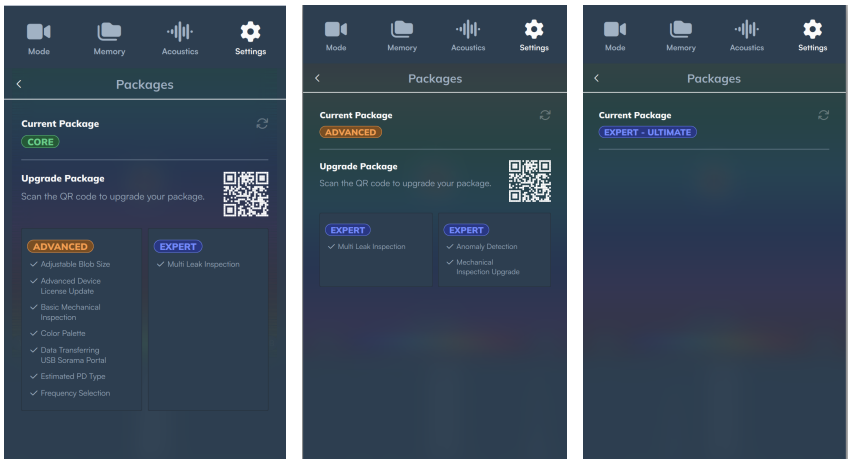




Screen sharing is available only with a license.

1.14. Packages

Displays the currently installed packages. Scan the QR code to view all the available upgrade options. Once the package has been activated, log in to your Portal account on the Sorama CAM iV64s and press the refresh button located in the top-right corner to update the package status.



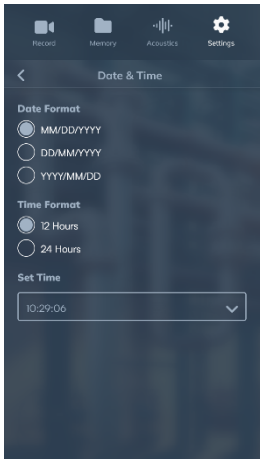
Note: Packages are issued to specific devices and are not transferable.

1.15. Aesthetics

Adjust the transparency of the SoundSurface overlay and select the color palette: Jet, Cool, Magma, or Grey.

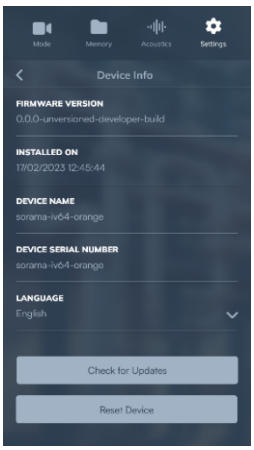
1.16. Date & Time

Set your preferred date format and update the current date and time.



1.17. Device Info

Displays firmware version, installation date, device name, serial number, and language settings. This page also provides options for firmware updates and resetting user settings.



1.18. Documentation

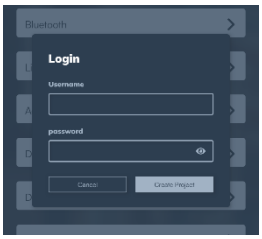
Scan the QR code to access the online user manual at:

https://sorama.eu/products/sorama-cam-iv64s/cam-iv64s-documentation/

1.19. Login

Log in to the Sorama Portal using credentials provided by Sorama. Ensure the device's date and time are current.

Note: If you have not received credentials, email to helpdesk@sorama.eu.



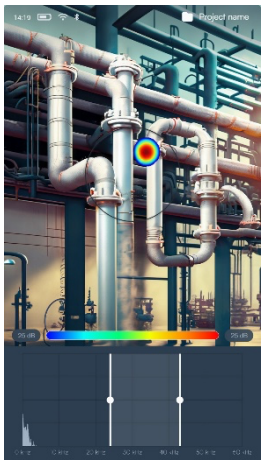
OPERATIONS

Basics

Power

To power on, press the trigger button. The LED indicator above the USB-C port turns on. Boot time is approximately 30 seconds.

By default, the device starts in 'Image' mode. After first use, it reopens in the last-used mode. Swipe down to reveal the main menu.



To adjust frequency band selection, tap and drag the white dot on the spectrum display to set low and high bounds. You can also reposition the entire band by dragging its center.

Zoom

Pinch within the field of view to zoom. The sound map and the video enlarge at the same rate. For best results, use the Blob Size setting to decrease the blob size when zooming in to inspect sources.

Mount Sorama CAM iV64s on a Tripod

You can mount the Sorama CAM iV64s on an external tripod using the standard ¼ inch UNC camera screw thread.

Tripod requirements:

- The tripod must be stable and sturdy to safely support the weight of the device. The Sorama CAM iV64s is heavier than standard cameras.
- Make sure the tripod legs are fully extended and secured before mounting the device.

Mounting instructions:

1. Perform all mounting steps outside of any hazardous area.
2. Align the tripod's screw with the bottom insert of the Sorama CAM iV64s.
3. Secure the connection through the battery compartment's rubber part.
4. Ensure the device is balanced and steady before moving it into the working area.

⚠️ Caution: Mounting the Sorama CAM iV64s on a tripod inside a hazardous area is not allowed. Sorama is not responsible for any damage or injury resulting from improper tripod use or unstable mounting.

Data Transfer

The device continuously streams audio and video. To capture a measurement, press the trigger button. Video inspections are saved as .mp4; image measurements as jpeg. Compatible inspections will also store a .pdf report.

To export data, connect the device to a computer using the supplied USB-C cable. Two folders will appear:

- Logs: Contains system logs useful for troubleshooting
- Recordings: Contains saved measurement files, including reports

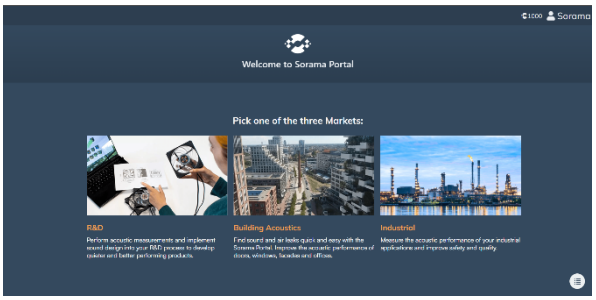
Sorama Portal

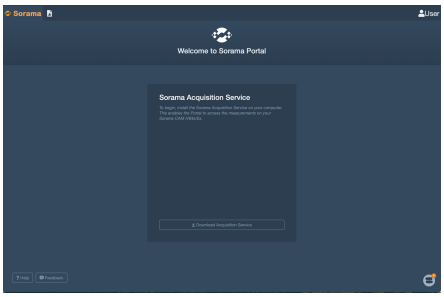
The Sorama Portal allows you to manage your device, generate detailed reports from measurements performed with the Sorama CAM iV64s, and to combine multiple measurements into one report. Access the portal at: https://portal.sorama.eu/.

The Sorama Portal is currently only supported in Chromium browsers, on Microsoft Windows.

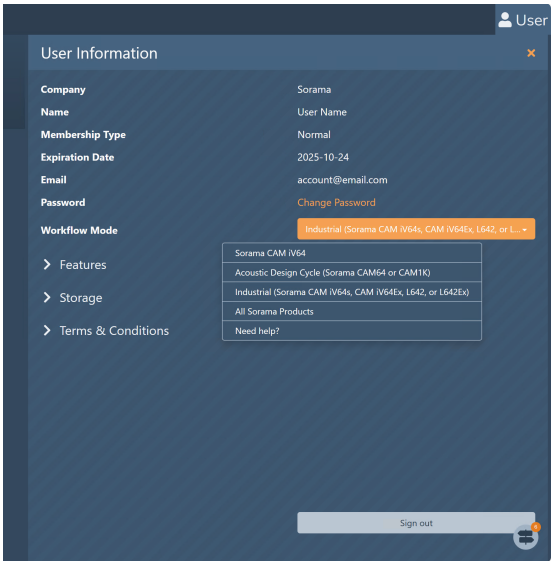
Step 1: Sign in and select a market

1. Go to the portal and click “Sign in”.
2. Use the login details sent to you by Sorama.
3. After signing in, you’ll be prompted to choose a market (workflow mode). Select “Industrial” to connect your Sorama CAM iV64s.
4. On the confirmation screen, click “Let’s start” to initiate the device connection.



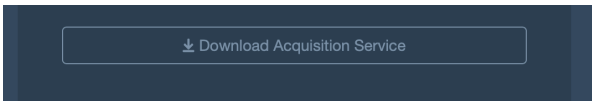


If a different Market was selected, you can return to the Industrial Market by clicking your username in the top-right corner of the page and selecting it from the available “Workflow Mode” options.



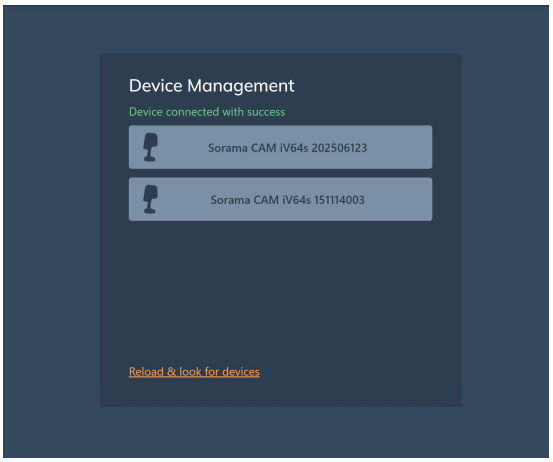
Step 2: Download and install the Sorama Acquisition Client

1. Click on “Download Acquisition Service”.
2. Click on downloaded file, and follow the installation instructions.



Step 3: Connect your Sorama CAM iV64s

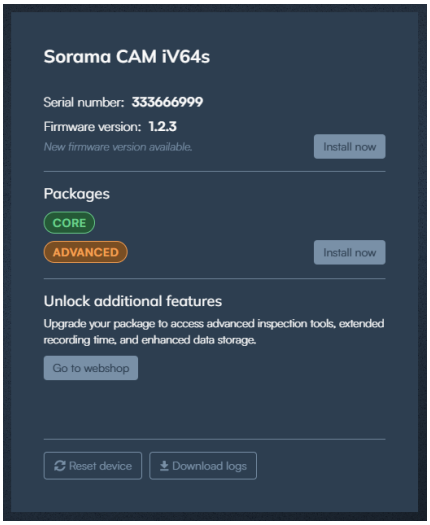
1. Make sure the Sorama Acquisition Service is started (a Sorama icon can be found in the system application tray).
2. Make sure your Sorama CAM iV64s is connected to the computer via the provided USB cable, or to the same Wi-Fi network, and the network allows devices to communicate to each other.
3. In the Sorama Portal home screen, under Device Management, choose your device from the list.



If your device doesn’t appear, click the “Reload & look for devices” button

Device Management

Once connected, the device management options will show up.

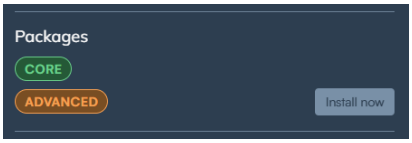


Updating the device

If an update is available, the “Install now” button will show up. To update, press the button and follow the instructions on the screen. Do not power off or disconnect the device until the update completes successfully.

License management

Packages can be purchased directly from the web shop or by contacting Sorama. Once purchased, these packages will show up under “Packages”.



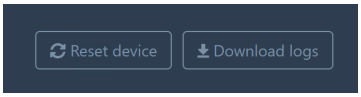
To install a license package, click on the “Install now” button.

Notes on licensing:

- Once installed, a package remains on that device until it expires—it cannot be transferred to another device.
- In the event of a factory reset, the packages can be restored via the Sorama Portal.

Factory Reset and Device Logs

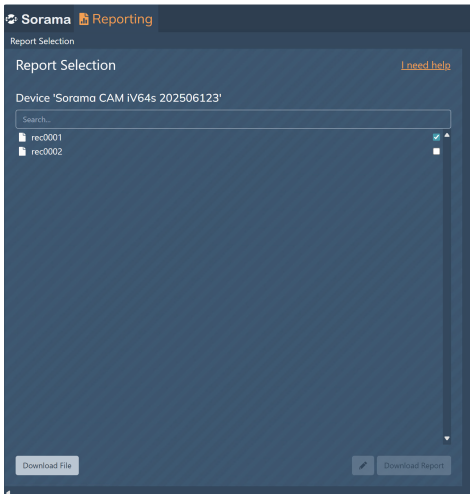
The device can be factory reset through the Sorama Portal by clicking on the “Reset device” button. Device logs can be downloaded by clicking on the “Download logs” button.



Downloading Reports:

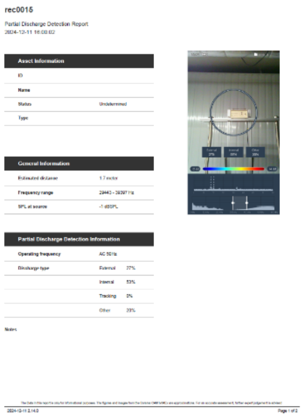
Reports are available for measurements such as Leak Inspection and Partial Discharge Inspection. These reports can also be downloaded over-the-air.

1. In the Portal, navigate to the Reports tab (found in the top left corner, next to the Sorama logo) .
2. Use the checkboxes to select the measurement files you want to download.



3. Click the “Download File” button in the bottom left corner.

You’ll receive a .zip archive containing the measurement files. These files summarize the measurement results collected from the Sorama CAM iV64s. For compatible inspection types, a measurement report will be included.



rec0015

Partial Discharge Detection Report
2024-12-11 16:00:02

Asset Information	
ID	
Name	
Status	Undetermined
Type	

General Information	
Estimated distance	1.7 meter
Frequency range	29443 - 39397 Hz
SPL at source	-1 dBSPL

Partial Discharge Detection Information		
Operating frequency	AC 50Hz	
Discharge type	External	27%
	Internal	53%
	Tracking	0%
	Other	20%

Notes:

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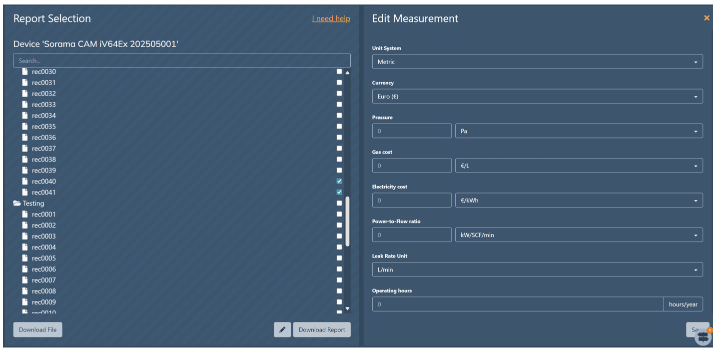
Editing reports and generating combined reports

If report details need to be edited after the measurement (e.g. changing the electricity cost or gas type), the Sorama Portal report editing feature can be used.



1. Select one or multiple measurements of the same type (if measurement types are mismatched, report editing or the combined report feature get disabled)
2. Click on the edit icon on the bottom right, next to the “Download Report” button
3. Edit the measurement properties
4. Click the “Save” button in the bottom-right side of the screen.
5. Click on the “Download Report” button. A combined report of the selected measurements will be generated, including the edits

Note: Editing a measurement does not change the files on the camera. Using the “Download file” button will download the original report, excluding the new edits.

Service

The Imager

⚠️ Caution:

No routine maintenance is required. The lens is coated with high-quality optical layers. Avoid contact and protect it from dust or damage.

The case

Clean with a damp cloth. Do not use abrasives, alcohol, or solvents.

Acoustic Sensor Care

⚠️ Caution

Protect sensors from water, dust, and contaminants. Exposure can reduce performance.

Environmental

The product contains electronic components that must be disposed of properly. Contact Sorama for responsible disposal options at end-of-life.

Service

For service inquiries, contact Sorama at helpdesk@sorama.eu.

Specifications

Visit www.sorama.eu for full technical specifications of the Sorama CAM iV64s.