

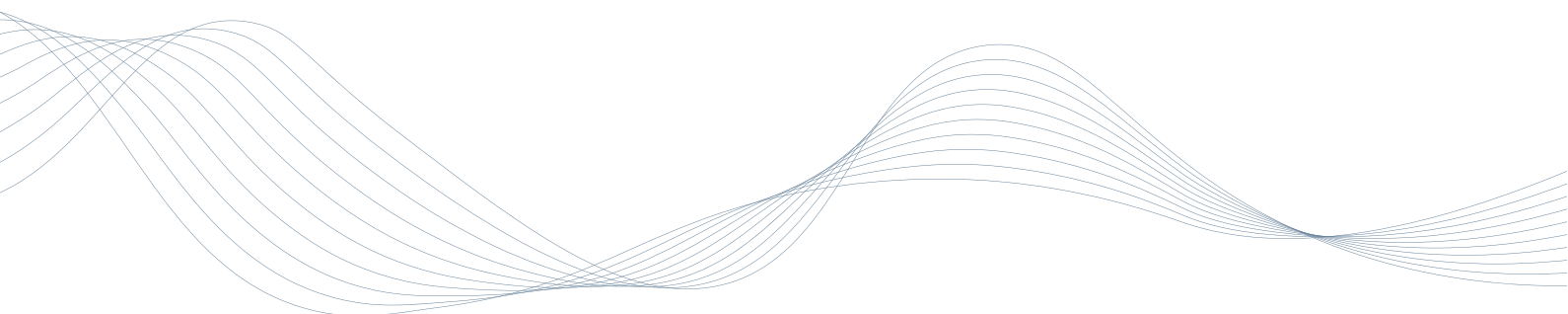
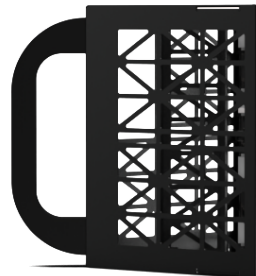
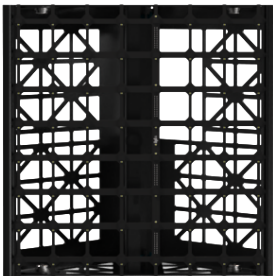
Sorama CAM64

PRODUCT SPECIFICATION SHEET

The Sorama CAM64 is the market-leading compact multi-channel sound measurement instrument. Its 64 microphone channels deliver unrivalled spatial accuracy. CAM64 is an easy-to-use sound measurement system that converts noise and vibration data into easy-to-interpret visual information. Without any need for academic acoustic support.

The Sorama CAM64 makes you an expert in a day. The array size makes it a suitable instrument for Near field vibration analysis on objects up to 16 x16 cm.

- ▶ 64 microphones on a 160 x 160 mm area
- ▶ Integrated HD video camera
- ▶ Near- and far-field sound imaging
- ▶ Optimal Far Field beamforming frequency range: 1.2kHz - 15kHz
- ▶ Near Field Acoustic Holography frequency range: 25 Hz - 23.400 Hz

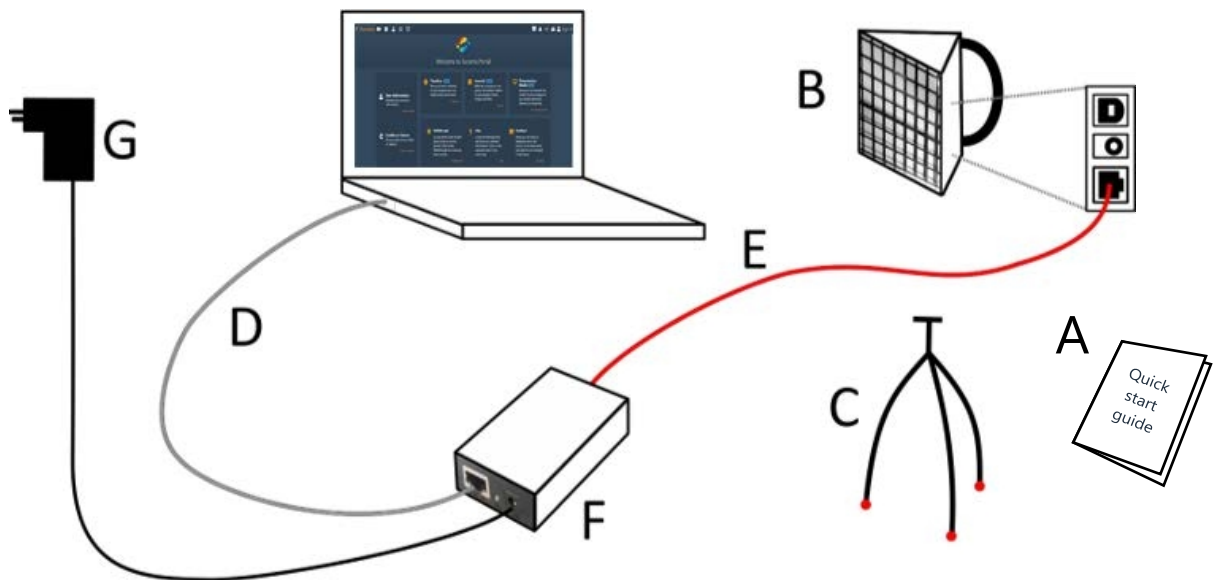


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INVENTORY

Quick start guide (A)	1
CAM64 (B)	1
Small Tripod (C)	1
Short ethernet cable (D)	1
Long ethernet cable (E)	1
PoE Injector (F)	1
Adapter (G)	1



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PHYSICAL PROPERTIES

Size	160 x 160 x 145 mm	H x W x D
Weight	0.420 kg	0.5 kg including stand
Connection	Ethernet and Power over Eth.	IEEE 1588V2 sync IEEE 802.3af-2003 PoE

ACOUSTIC PROPERTIES

# of microphone channels	64	Parallel sampling
Frequency range	1 Hz — 20 kHz	$\Delta f = 1$ Hz
Spatial resolution	20 mm	Inter sensor distance
Measurement area	16 x 16 mm	

MICROPHONES

Type	MEMS	Embedded ADC with PDM
SNR (A-weighted, at 1 kHz)	63 dB per channel	Max. 71 dB for device
Sensitivity	-26 dBFS +/- 1.5dB	At 1 kHz, 94 dB SPL
Acoustic overload point	116 dB SPL	At 1 kHz, <10% THD

MEASUREMENT FEATURES

Spectrum Analysis	SPL 1 Hz — 20 kHz	dB/dB(A) SPL, $\Delta f = 1$ Hz
Spectrogram Analysis	0-10s+, 0-20 kHz	Streaming + recording
Beamforming (far-field)	1200 Hz — 20 kHz*	Streaming + recording
NAH (near-field)	1 Hz — 20 kHz	Stationary + transient

*Dependent on external factors

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MINIMUM SYSTEM REQUIREMENTS

	Near-Field Acoustic Holography	Beamforming (streaming)
Operating system	Windows 7, 64 bits	Windows 7, 64 bits
Processor	Intel i3 or AMD A8	Intel i5 or AMD A10
Memory	4 GB RAM	4 GB RAM
Graphics card	Integrated GPU	Integrated GPU
Screen resolution	1280 x 720 pixels	1280 x 720 pixels
Connections	1 x free USB 2.0 and ethernet port Working internet connection	1 x free USB 2.0 and ethernet port Working internet connection
Disc space	A typical measurement requires 50 MB	

