

Acoustic Measurement & Visualization Systems

Simplify Acoustic Diagnostics and Research

VisiSonics® Acoustic Measurement and Visualization systems provide solutions for acoustic diagnostics including NVH (Noise, Vibration and Harshness) and industrial noise detection. VisiSonics' FINDr software allows users to easily record, visualize and analyze noise sources and reflections.

About VisiSonics

VisiSonics is a 3D spatial audio technology company with a complete suite of solutions that enhances end-users' performance and experience. Millions worldwide from gamers to fighter pilots rely on VisiSonics.

Our offer includes 3D audio rendering, capture and analysis, and personalization software as well as acoustic visualization and measurement solutions.

Product Portfolio

- 5/64 Audio Visual Camera
- Planar Array
- Digital Array Microphone
- Portable Acoustic Camera

Applications



AUTOMOTIVE

VisiSonics technology allows users to locate the source of sound in minutes, helping automotive engineers perform better and more efficiently, saving time and money.



RESEARCH

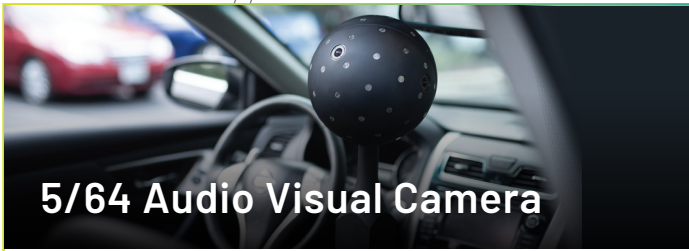
Commercial, academic, and government laboratories use VisiSonics' technology to design novel experiments and conduct research on spatial audio and noise mitigation.



VENUES

VisiSonics allows architects to visualize the propagation of sound in listening spaces, quickly test mitigation strategies, and optimize spaces for the best listening experience.

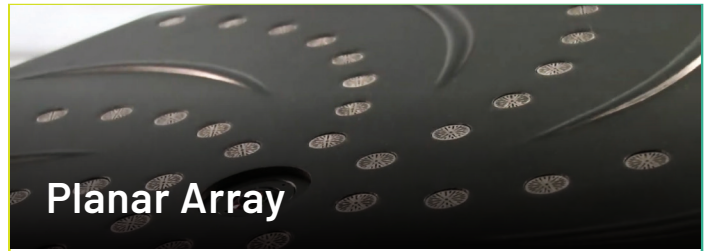
Products



5/64 Audio Visual Camera

The Audio Visual Camera provides “hot spots” on a video panorama to highlight the location and pressure level of sounds.

- Spherical array for comprehensive acoustic visualization
- Consists of 5 video cameras and 64 microphones mounted on the surface of a sphere
- Panoramic video with the acoustic image overlaid is presented in real-time for on-the-spot analysis
- Visualize and analyze your recorded data easily with VisiSonics’ user-friendly FINDr software



Planar Array

The Planar Array allows users to focus on a specific area of interest and easily map exterior acoustics.

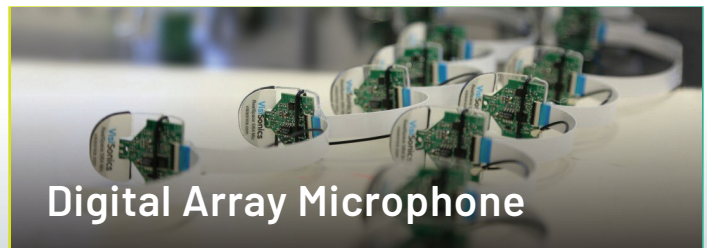
- Allows users to focus on a specific area of interest and easily visualize exterior acoustics
- Form-factor and design of the array optimizes resolution and data collection for one-look direction recordings
- Uses VisiSonics’ proprietary FINDr software for real-time visualizations, measurement and off-line analysis



Portable Acoustic Camera

The ultimate in portability, VisiSonics’ new Portable Acoustic Camera offers a truly cableless microphone array with NVH analysis built in. Localize, record and analyze anywhere!

- Powerful tablet for scene analysis with real-time visualization of noise sources and reflections
- On-the-fly imaging of 1/3 octave bands and arbitrary frequency ranges
- Intuitive and easy to use – deep dive into recordings
- Find reflections quickly – slow motion video of acoustic propagation data at 4000 fps
- Streamlined start-up procedure provides the fastest set-up in the industry



Digital Array Microphone

The VisiSonics Digital Array Microphone (VDM) system’s patented digital microphone array technology offers the ultimate in flexibility, solving common problems with using microphone arrays in audio engineering.

- VDM provides simplified cabling, the elimination of cumbersome and expensive racks of A/D equipment, and the provision of standards-based interfacing
- Easily chain several microphones together in series, significantly reducing wire clutter
- Eliminate costly add-ons – the A to D conversion is done right at the microphone capsule (no need for preamplifiers, analog to digital equipment or processing computers)