Acoustic Camera – the Original

Sound Localization with the Acoustic Camera

The Acoustic Camera is a lightweight, modular and flexible system for localization, visualization and analysis of sound sources in a location-, time- and frequency-selective manner. gfai tech's Acoustic Camera was the first commercially usable system for localizing acoustic emissions. Launched in 2001 as a pioneering technology, it became a metaphor for beamforming systems.

Components of the Acoustic Camera System AC Pro

Microphone Array

Software NoiseImage

Data Recorder

All-in-One Soundcam Mikado

The mobile device enables simple, fast and efficient identification of noise sources. The perfect solution for troubleshooting sound and vibration problems.

All-in-One Soundcam Octagon

This powerful acoustic tool pinpoints sound emissions of demanding measurement tasks. 192 MEMS microphones guarantee high accuracy with the highest dynamic.

BENEFITS

- Complete workflow: measurement, analysis and report
- 3D beamforming, acoustic holography and sound intensity
- Specialized array geometries for various applications
- Mobile data acquisition with up to 100 sensors
- Detection from low frequencies to lower ultrasound
- Advanced algorithms for in-depth analysis
- 2D and 3D acoustic spectral photos and movies

APPLICATIONS

- Measuring smallest objects to large-scale technology
- Noise reduction, sound design and fault detection
- Automotive and aeroacoustics testing in wind tunnels
- Pass-by of vehicles, sound emissions of rail, marine & aviation
- Industrial maintenance and leakage detection
- Quality control and troubleshooting
- Product design, research and development, bioacoustics, etc.

Microphone Arrays

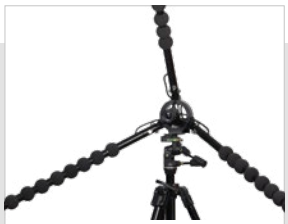
We have designed various microphone array types and sizes for different measurement requirements.
Moreover, our individually configurable array systems can be adapted to costumer-specific needs.

2D Measurements

Ring32/48 AC Pro

Ring72 AC Pro

All-in-one AC Octagon



Star48 AC Pro

Fibonacci AC Pro

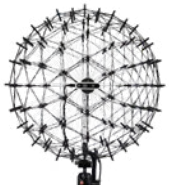
EVO AC Pro

All-in-one AC Mikado

Array Design Kit

3D Measurements

Sphere48 AC Pro



Sphere80/120 AC Pro

Sound Intensity Measurements

Paddle2x24 AC Pro

Paddle2x52 AC Pro

Near Field and Holography Measurements

- **All-in-one AC Mikado**
- **All-in-one AC Octagon**
- **Paddle AC Pro**
- **Fibonacci AC Pro**

Scan the QR-code for more information

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