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
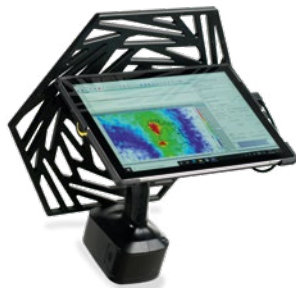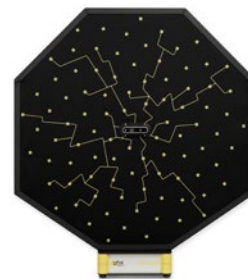

Microphone Array

Software NoiseImage

Data Recorder

All-in-one Soundcam Mikado

The mobile, wireless 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 great precision 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 up to ultrasound
- Advanced algorithms for in-depth analysis
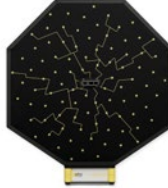- 2D and 3D acoustic spectral photos and movies

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 realize various microphone array types and sizes for different measurement requirements.
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

Sound Intensity Measurements

Sphere48 AC Pro	**Sphere80/120 AC Pro**	**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