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 Mikado is perfect for easy troubleshooting in the fields of sound and vibration. The wireless handheld device enables very flexible measurement positions and angles and thus the quick and efficient identification of noise sources using acoustic signals at almost any location. It offers all components for acoustic measurements, data acquisition and analysis. The acoustic images are displayed in high resolution and in real time on the display of the Microsoft® Surface Pro. The NoiseImage Mobile analysis software enables simple and intuitive recording with predefined layouts and detailed in-depth analysis with powerful algorithms and filters.

BENEFITS

- Complete workflow: measurement, analysis, report
- 3D beamforming, acoustic holography, 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 industrial plants
- Noise reduction, sound design and fault detection
- Automotive, 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, R & D, bioacoustics, …

Microphone Arrays

We realize various microphone array types and sizes for different measurement requirements
Individual developments of microphone arrays are adapted to customer-specific requirements.

2D Measurements

Ring32 AC Pro

Ring48 AC Pro

Ring72 AC Pro

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 Soundcam Mikado**
- **Fibonacci AC Pro**
- **Paddle AC Pro**

Scan the QR-code for more information

gfai tech GmbH
Volmerstraße 3,
12489 Berlin, Germany

www.gfaitech.com
E-Mail: info@gfaitech.de
Tel.: +49 (0)30 81 45 63-750