



Acoustic Camera – the Original

Sound Localization with the Acoustic Camera

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



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 Tablet. 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
- PassBy 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	 Sphere120 AC Pro
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Sound Intensity Measurements

 Paddle2x24 AC Pro	 Paddle2x52 AC Pro
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Near Field and Holography Measurements

- All-in-one Soundcam Mikado
- Fibonacci AC Pro
- Paddle AC Pro



Scan the QR-code for more information

