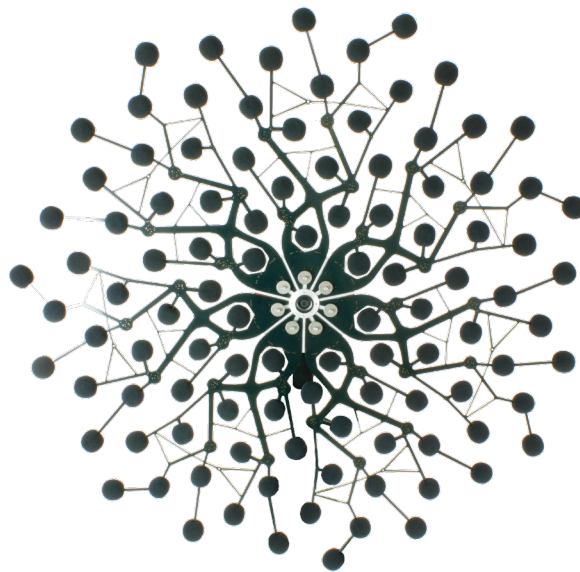
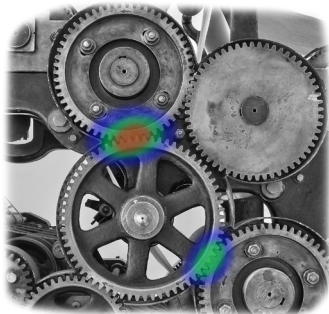


Acoustic Camera

Bionic M-112 Array



Features

- Far field analysis (beamforming)
- Near field analysis (holography)
- Fully integrated design (no frontend necessary)
- High dynamic range and resolution
- Very small package volume
- 40° Resolution at 600 Hz with beamforming
- From 40 Hz with holography
- Handheld

Application

- NVH
- Squeak and rattle
- Noise leakage detection
- Environmental and building acoustics
- Engine noise
- Automotive (exterior)
- Machine acoustics
- For transient and stationary noise sources

Bionic M-112 Array

Array Size	Diameter 1000 mm
Array Material	Composite Material
Weight (excl. Tripod)	3.3 kg
Microphones	112
Sample Rate	48 kHz
Mic. Frequency Range	10 Hz to 24 kHz
Operating Range	< 33 dB to 120 dB
Analysis Dynamic Range	up to 40 dB
Measurement distance	0.2 m to ∞
Resolution	24-Bit
Interface	Ethernet
Operating Temperature	-40 °C to +60 °C
Operating Humidity	Non Condensing

Bionic M-112 Array

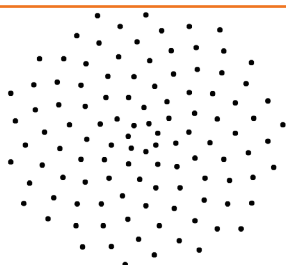
Array

Microphones:

112

Diameter:

1 m



Beampattern

-3dB width:

$\pm 2.13321^\circ$

max side lobe:

-21.7749 dB

Simulation at 5 kHz

