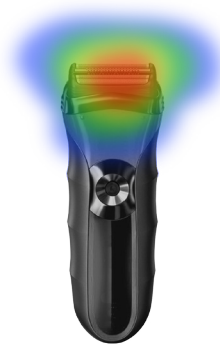
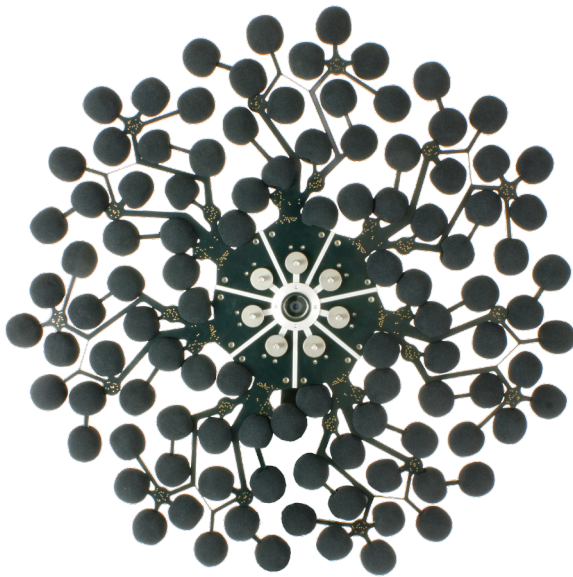


# Acoustic Camera

## Bionic S-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 1000 Hz with beamforming
- From 40 Hz with holography
- Handheld

### Application

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

### Bionic S-112 Array

Array Size	Diameter 600 mm
Array Material	Composite Material
Weight (excl. Tripod)	3.1 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 S-112

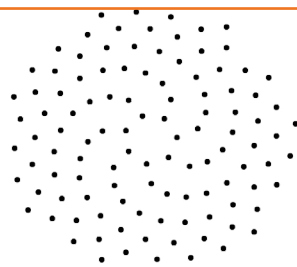
#### Array

Microphones:

112

Diameter:

0.6 m



### Beampattern

-3dB width:

$\pm 3.30846^\circ$

max side lobe:

-16.2920 dB

Simulation at 5 kHz

