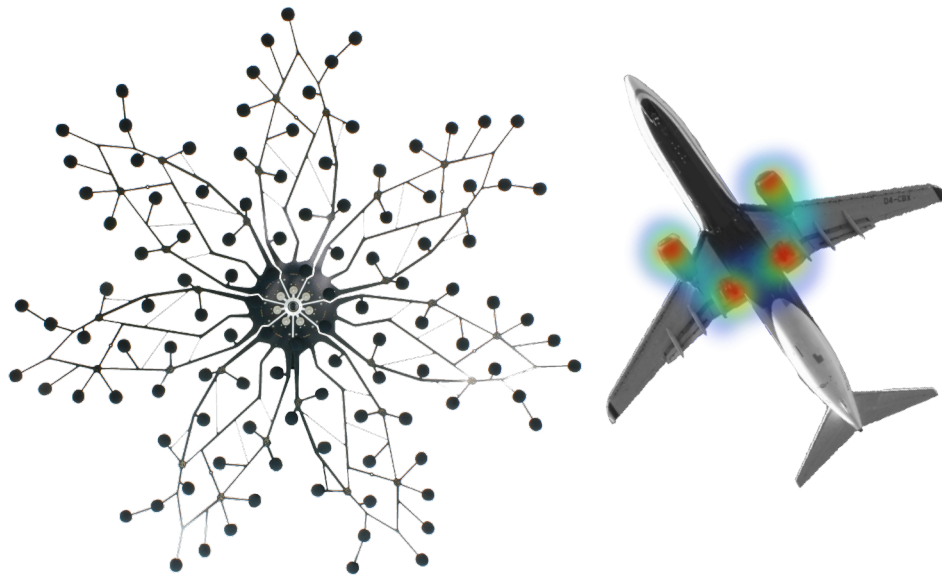


Acoustic Camera

Bionic L-112 Array



Features

- Far field analysis (beamforming)
- Fully integrated design (no frontend necessary)
- High dynamic range and resolution
- Very small package volume
- 40° resolution at 350 Hz with beamforming
- Large diameter for good spatial resolution

Application

- Automotive
- Machine acoustics
- Noise leakage detection
- Environmental acoustics
- Building acoustics
- Wind energy
- Wind tunnel
- For transient and stationary noise sources

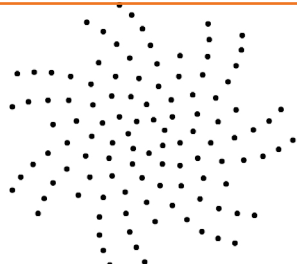
Bionic L-112 Array

Array Size	Diameter 1700 mm
Array Material	Composite Material
Weight (excl. Tripod)	3.5 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	0.8 m to ∞
Resolution	24-Bit
Interface	Ethernet
Operating Temperature	-40 °C to +60 °C
Operating Humidity	Non Condensing

Bionic L-112 Array

Microphones:
112

Diameter:
1.7 m



Beampattern

-3dB width:
 $\pm 1.3044^\circ$

max side lobe:
-15.4284 dB

Simulation at 5 kHz

