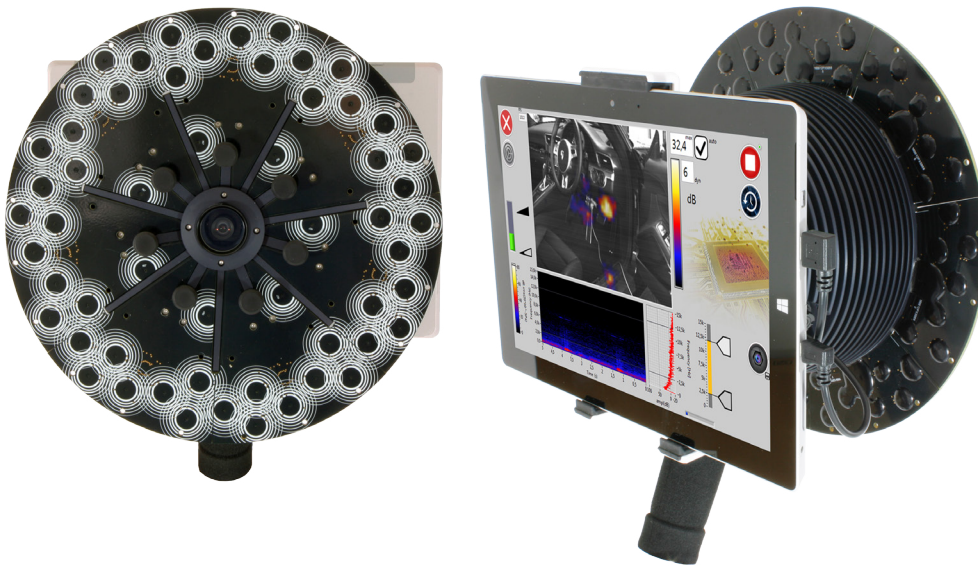


Acoustic Camera

Bionic XS-56 Array



Features

- Portable measuring instrument (sensors, data acquisition, analysis and visualisation in one unit)
- online results with up to 100 fps (acoustically)
- Far field analysis (beamforming)
- Fully integrated design (no frontend necessary)
- High dynamic range and resolution
- Very small package volume
- 40° resolution at 2000 Hz with beamforming

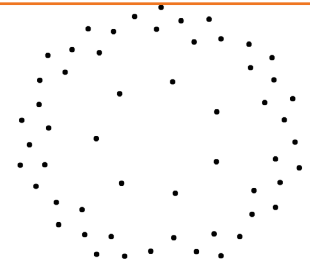
Application

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

Bionic XS-56 Array	
Array Size	Diameter 270 mm
Array Material	Composite Material
Weight (excl. Tripod)	2.6 kg
Microphones	56
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	0.1 m to ∞
Resolution	24-Bit
Interface	Ethernet
Operating Temperature	-40 °C to +60 °C
Operating Humidity	Non Condensing

Bionic XS-56 Array

Microphones:
56
Diameter:
0.27 m



Beampattern

-3dB width:
 $\pm 6.6501^\circ$
max side lobe:
- 10.4825 dB

