

# 3D Acoustic Camera

## 3D Array



### Features

- 3D beamforming
- 3D results on 3D objects
- One measurement for the complete acoustic emission in 3D
- Array size: small cube or complete room or combine our standard arrays to a 3D array
- Acoustic photos and videos

### Application

- NVH
- Squeak and rattle
- Machinery acoustic
- Product development
- Wind tunnel
- Quality assurance
- Noise leakage detection
- Test stand
- For transient and stationary noise sources

#### 3D Array

Array Size from	0.8m x 0.8m x 0.8m
Array Material	Aluminium
Weight	10 kg
Microphones	40 and more
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	Inside of array
Resolution	24-Bit
Interface	Ethernet
Operating Temperature	-40 °C to +60 °C
Operating Humidity	Non Condensing

# What is Real 3D Beamforming?

Worldwide unique 3D beamforming. The object is surrounded by microphone arrays and is therefore measured from all sides. The results are real 3D measurement results which are projected on the 3D model. Only one measurement shows the complete acoustic emission of the measured object. There is no limit in the microphone array size - from a small cube of 800 mm x 800 mm x 800 mm up to a complete anechoic chamber. High resolution in all dimensions.

