

Acoustic Camera

Bionic Array S



Features

- Integrated design
- High resolution
- High dynamic range
- Very small package volume
- Designed for farfield measurement
- 40° Resolution at 1000Hz

The CAE "Bionic Array S":

Standard-Size	Diameter 600 mm
Material	Composite Material
Weight	1 kg
Microphones	40
Tripod	Aluminium

Application

- NVH
- Squeak and rattle
- Noise leakage detection
- Environmental acoustics
- Building acoustics
- For transient and stationary noise sources
- And many more

MEMS-Microphones

Resolution	24-bit
Interface	I ² S
Dynamic range	33 dB - 120 dB
Frequency range	20Hz - 20 kHz
Sample rate	48 kHz

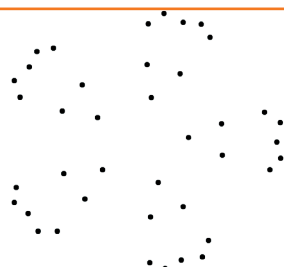
Bionic S array

Microphones:

40

Diameter:

0,6 m



Beampattern

-3dB width:

$\pm 3,02449^\circ$

max side lobe:

-13,2983 dB

Simulation at 5 kHz

