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
• Handheld

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
Interace
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:
±1.3044 °
max side lobe:
-15.4284 dB

Application
• NVH
• Machine acoustics
• Noise leakage detection
• Environmental and 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

In cooperation with CAE Software und Systems GmbH