

Array Cube 32

32 channel system
for measurements
in interior rooms

The cube design is a 32 channel measurement system for small devices and for measurements in very confined spaces and at high frequencies.

The microphone construction is made from carbon fiber material and guarantees maximum acoustic transparency.

The layout minimizes aliasing effects.

The optimum measurement range is from 0.3 to 1.5 meters. Longer ranges are possible for measurement frequencies above 3 kHz. The cube array is equipped with studio microphones and MicBus microphone connectors, similar to all other arrays.

A USB camera is integrated in the array. High quality acoustic images can be acquired within seconds. The design minimizes partial reflections.

To minimize distortions of the wave field, extremely small microphones are used.

The array can be set up at the optimum angle on the included tripod.

The system can be easily and instantly calibrated on location using a test sound generator (so-called "clicker").

Backward attenuation is high enough to allow an all-around mapping. This makes the system ideally suited for applications in interior rooms of vehicles.



Characteristics

- Application in interior rooms
- Analysis of cracking, clicking and other noises, wind noise.
- Cube diameter about 35 cm, weight ca. 1 kg
- Measurement distance 0.3...1.5 m
- Acoustically transparent
- USB camera (up to 1280 x 1024), fix focus lens
- Mappings from 1 kHz...10 kHz
- Backward attenuation of array up to -20 dB
- MicBus microphone connectors
- Dynamic range of microphones 35...130 dB, 30 Hz...20 kHz (50 kHz)
- Selectivity of +/- 0,5 dB at 1 kHz

Components

- Camera base 1/4"
- Tripod with bag
- Transportation case