

3D Acoustic Camera LF-ANT

32-microphones 3D stand-alone acoustic camera

LF-ANT, fully autonomous all-in-one Mecanum's 3D Acoustic Camera, is suitable for finding quickly and easily unwanted sound and vibrations problems, leakage detection and quality management.

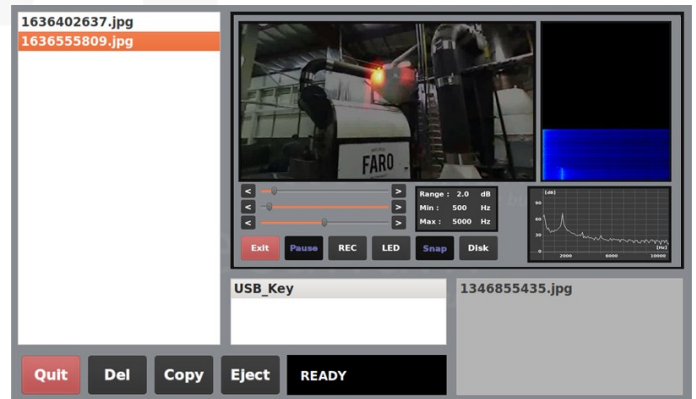
Thanks to its 3D video camera, 32 microphones and specific antenna shape, it allows you to instantly locate noise sources.



* Please note that the technical aspects of our equipment may be subject to change without notice.

Specifications

- Dimensions: H 36 cm x W 42 cm x D 17 cm
- Weight: 2.7 kg
- 32 x 24-bit MEMS microphone at 48 kHz
- 3D 1080p video camera for automatic distance computation
- ARM-GPU computer embedded for real-time analysis
- GCC-PHAT acoustic algorithm up to 20 FPS (real-time)
- Scan zone range from 0.3 m to 15 m
- Maximum sound level of 120 dB
- Mapping frequency range between 300 Hz and 12 000 Hz
- Filtering of desired frequency range
- Video and image storage (more than 300 GB space on SSD)
- Fully autonomous with at least 3 hours battery life
- 7 inch sunlight readable touchscreen
- USB port for software update and data export
- Use by hand or mounted on monopod, tripod (1/4"-20 thread on the bottom)
- Integrated lighting with 4 LEDs
- Operating temperature between 0°C and 45°C
- Ingress protection code: IP20



Warranty and Support

All Mecanum characterization systems are covered by a one-year limited warranty and technical support. The Mecanum warranty is valid only on manufacturing defects and does not cover damage due to abuse or improper use of the equipment.

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