



AMOS

Automatic Map Of Sound

Brochure

AMOS is an **automatic system** for the generation of **acoustic maps** in both **indoor** and **outdoor** environment.

AMOS is able to return an acoustic map overlaid to a video streaming (Acoustic Camera).

AMOS may be customized with ad-hoc solutions allowing:

- ✓ Audio event classification capabilities (such as: people screams, gun shot);
- ✓ POE/3G/LTE connections

AMOS is the right choice in all environments where **loud sound events monitoring** can be useful, such as **Squares, Streets, Airports, Malls, Schools, Train stations.**

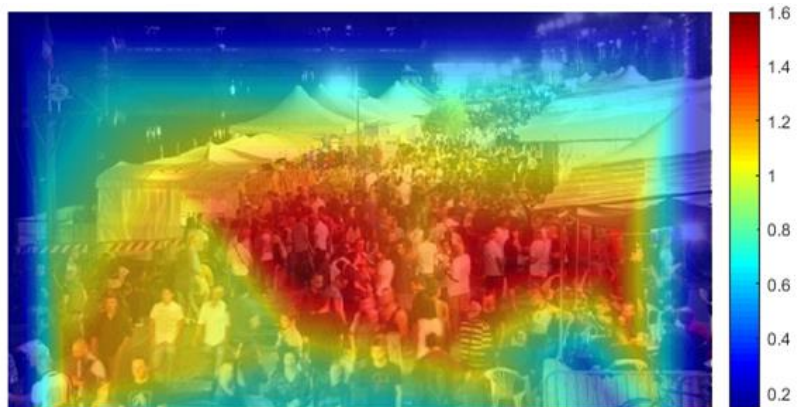
Advantages

It is a passive system and is not detectable from other devices.

Good cost/effective ratio.

High portability through its compact and intuitive system integration kit.

User friendly interface.



CONTACTS



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intecs Solutions

the Brainware company

Sensor

AMOS is based on an «edge-computing» paradigm, which locally analyses audio. With a network of SENSORS is possible to cover wide areas.

Architecture

AMOS mounts MEMS (microelectro-mechanical systems) microphones (Sensitivity -29 dBFS @ 1kHz, 94 dB SPL, Acoustic Overload Point 122 dB SPL @ 1kHz)

AMOS is based on a 16 uniform rectangular microphone array

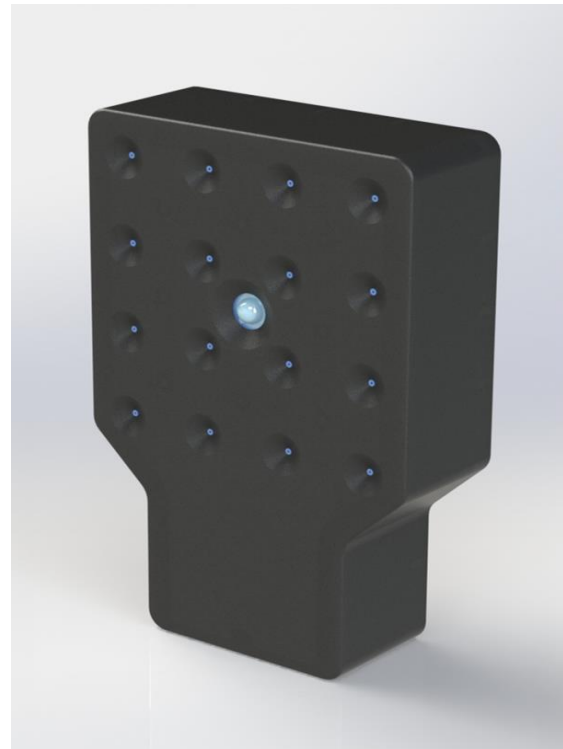
AMOS mounts a 8 Megapixel camera (FOV: D 92° / H 83° / V 53°)

AMOS is powered by a 12 Vdc external power supply

AMOS's connectivity is provided by a 1 Gigabit Ethernet LAN port and a Wi-Fi module (802.11ac)

AMOS size is 255x168x91 mm (~1300 g)

AMOS has a discovery range up to ~ 200 m with a environment noise equal to ~ 40 dB



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