alango

SoundAround™

EXTERNAL SOUND ACQUISITION FOR CARS

Whee - ohh!
Whee - ohh!
Whee - ohh!

SoundAround
Inside

Look, no external microphones!

SoundAround™
sound acquisition
module

OUTSIDE sound

IN·CABIN sound

OUTSIDE + IN·CABIN
sound signal

OUTSIDE sound
signal only

SoundAround
DSP Technology
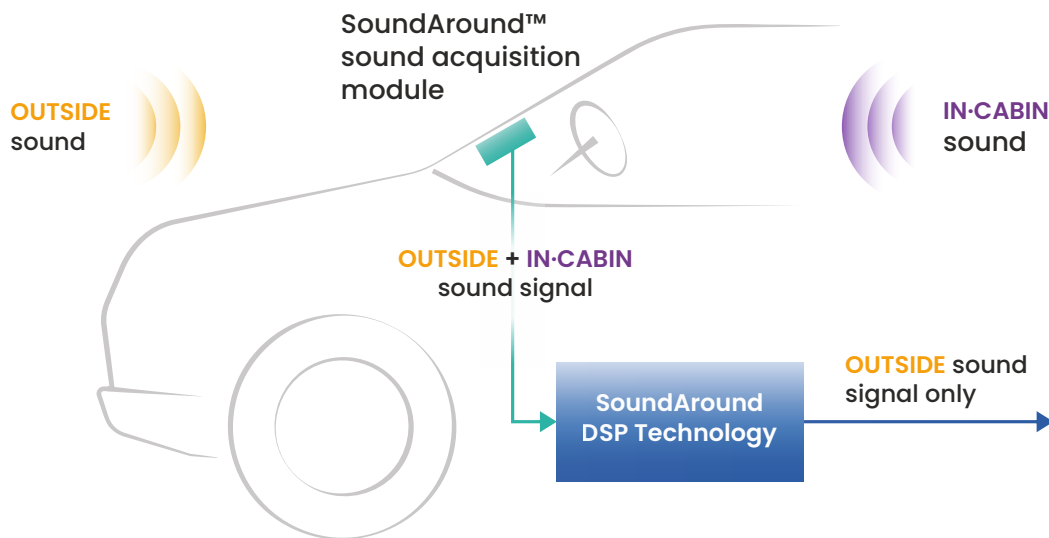
Principle:
Using vibration sensors attached to car windows inside a car
for external sounds acquisition.

Alango DSP software technology (patent pending):
High sensitivity to external sounds, low sensitivity to internal sounds.

Applications:
Autonomous and assisted driving, dash cams, black boxes.

Enabling:
Siren detection, windows acoustic transparency, outside vehicle
voice control, sounds of vehicle damage or theft.

Advantages:
Cost & Reliability: No external microphones and wiring.
Installation: easy installation for OEM and aftermarket.

Available on a variety of DSP/MCU cores.

**DSP SOFTWARE TECHNOLOGIES
FOR VOICE–AUDIO–HEARING**