

# devAlce™

## TECHNICAL SPECIFICATIONS

### devAlce™ LIST OF FEATURES

	devAlce™ BASIC	devAlce™ SOCIAL	devAlce™ EMOTION
Acoustic scene classification from a pool of up to 17 environments (e.g. car, train, home, restaurant, shop, street, nature)	✓	✓	✓
Scene detection performed in real time, based on short recordings	✓	✓	✓
Probability output for all environments available	✓	✓	✓
Possibility to obtain low- or mid-level acoustic features from <b>SMILEcore</b>	✓	✓	✓
Voice Activity Detection (VAD)		✓	✓
Gender detection		✓	✓
Speaker age available upon request		✓	✓
Laughter detection		✓	✓
Detection of 5 basic emotions (anger, happiness, boredom, neutral, fear)			✓
Standard psychological emotion representation on arousal, valance and dominance			✓
VocEmoApi Technology co-developed with <b>Prof. Klaus Scherer</b> , for Emotion Analysis of up to 50 subtle states			✓

### TECHNICAL REQUIREMENTS

- Working with audio captured from embedded microphones (MEMS)
- ADC: sampling rate min. 16 kHz, 8 kHz upon request, min. depth 8-bit (u-law)
- CPU requirements: x86 or ARMv7 with FPU 500 Mhz or higher, 64 MB free RAM
- API available for C++ for easy integration
- SDKs for Windows (x86 32-bit and 64-bit CPUs) and Linux (x86 32-bit and 64-bit, ARMv7, ARMv8)
- iOS native SDK available for iOS 11.0 and higher
- Android native SDK available for SDK version ≥ 21
- Other platforms available upon request

#### CONTACT US



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### FURTHER QUESTIONS ON devAlce™? GET IN TOUCH WITH AUDEERING

Are you interested in how devAlce™ can accelerate your product and business? Our team at audeERING is ready to help.