



Allinga Voice – Speech recognition »Made in Germany«

Speech input solutions for professional settings

Machines that understand spoken commands allow natural communication with technical systems. We already use this intuitive interaction successfully in our everyday lives, for instance to control smart speakers or televisions.

The new solution from the Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS and the Fraunhofer Institute for Integrated Circuits IIS elevates the technology from a domestic setting to a professional level. Allinga Voice converts speech information into digital text reliably and in real time – even under difficult conditions, such as background noise or when regional dialects are spoken. This allows companies, for instance, to optimize services, to increase their efficiency or to offer completely new types of services.

Allinga Voice Features

- highly reliable speech recognition
- excellent performance with German and English
- robust against noise, e.g. in an industrial setting
- retrainable for specific applications and specialized vocabulary
- customizable, e.g. selectable wake word
- word and phoneme output to subsequent systems

Automatic Speech Recognition

Did you know that people speak 150 words per minute but can only type 40 words on average?

A higher efficiency is just one of the many advantages of a speech recognition solution »Made in Germany«.

The right solution for every application

The Automated Speech Recognition (ASR) technology from the Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS and the Fraunhofer Institute for Integrated Circuits IIS allows powerful and noise-resistant acoustic front-ends for various applications. As compliance with data protection regulations is essential, especially in professional settings, our system offers complete data sovereignty, including the deployment in your own data centers. We customize your individual speech recognition system to your particular requirements – be it by integrating specialized vocabulary, adapting to ambient noise or tuning it to your favored communication channel. By offering flexible licensing models, excellent service and comprehensive technical support, we can jointly work towards the success of your language application.

Allinga Voice is already being used quite successfully in different areas:

- quick and easy information queries of databases
- fully automated live subtitling of events
- logging, dictation and documentation tasks
- an integral component of voice assistant and dialog systems

The digital future speaks

The Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS and the Fraunhofer Institute for Integrated Circuits IIS are constantly advancing scientific and technological developments. We are working on the development of a holistic voice assistant and dialog system to offer you even more solutions for the challenges of the voice-controlled future – of course »Made in Germany«.

Besides the Automatic Speech Recognition described here, our system can also handle Natural Language Understanding (NLU) – your customers will be understood, regardless of their grammar and sentence structure. Moreover, the Text-to-Speech (TTS) algorithms that enable your voice assistant to provide a natural-sounding spoken response are already being tested in practice. Last but not least, specific business solutions are created tailored to your needs with an integrated data and dialog management. This ensures that the conversation with your voice assistant is also a beneficial experience for your customers in terms of content.



Contact

Interested in a demonstration or an evaluation?
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