

RZ Ecosystem Partner Solution TMC ZoomVoice Software



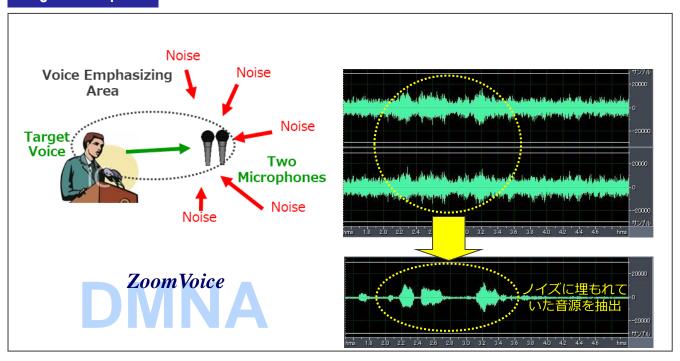
Solution Summary

ZoomVoice software enables emphasizing a voice from target direction and suppressing ambient noises. This software is suitable for accuracy improvement of speech recognition devices and voice recording/communication devices. It supports the RZ family.

Features/Benefits

- Beamforming: To emphasize the sound from the target direction. This can be achieved with two inexpensive omnidirectional microphones.
- Noise suppressor: To suppress ambient noise. Maximum noise reduction is 22dB. The
 amount of reduction is automatically adjusted for each frequency band according to the
 frequency characteristics of the input noise so that audio distortion is reduced.

Diagrams/Graphics



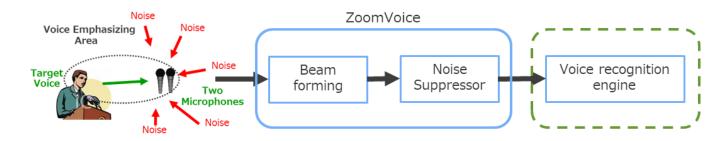
Target Markets and Applications

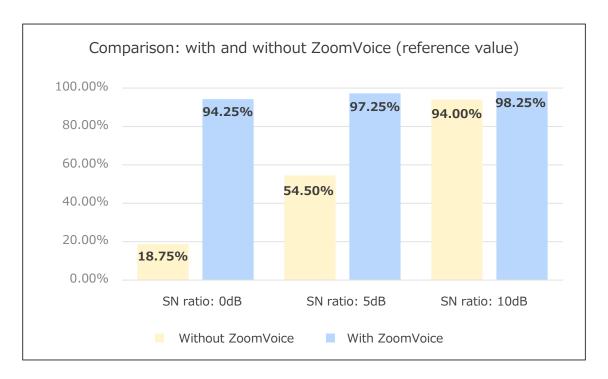
- Home Appliance
- Building Automation

- Voice Recognition System
- Mobile Phone



ZoomVoice in a Voice Recognition System





Specification

• Sampling Frequency : 16kHz

• Input Data Format : linear PCM (16bits, stereo)
• Output Data Format : linear PCM (16bits, monaural)

Beamforming strengthNoise reduction strength7-step adjustment9-step adjustment

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