VUI AND SPEAKER ID ENHANCE USER EXPERIENCE

Application Example including VAS, SID and VCR

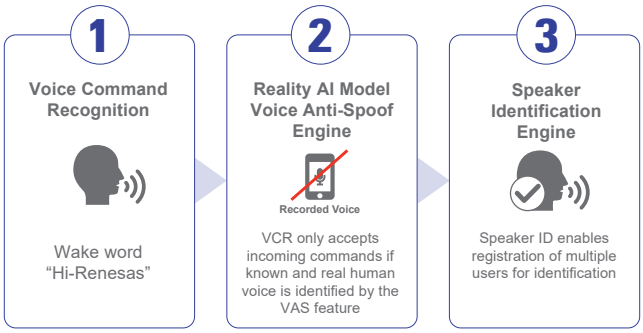
Voice user interfaces (VUI) allow users to interact with endpoint systems through local voice commands. However, despite massive deployments across a wide range of applications, there are some cases where standalone voice command recognition faces challenges; especially determining whether or not the speaker is a real person or a recording and if the person is known.

This new combination application example seeks to enhance end user experience by adding both Voice Anti-spoofing (VAS) and Speaker ID (SID) in one package along with the existing Voice Command Recognition (VCR) solution to ensure your home appliances do not accidentally respond and enable additional user personalization.

Benefits and Features

Voice Command Recognition combined with voice anti-spoofing and speaker ID in a single package for easy installation to various VUI application needs.

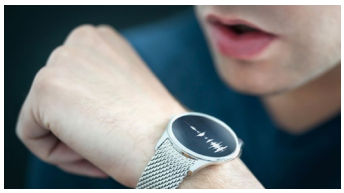
1. Voice Command Recognition: Easy command customization and optimization by model adaption with small amount of speech data.
2. Voice Anti-spoofing: train the model on e2studio and Reality AI TOOLS® enables safety by distinguishing between real human and fake, recorded or machine made voice for decision functionality enhancement.
3. Speaker ID: adds safety and personalization by accurate identification of registered speakers for biometric parameter recognition.



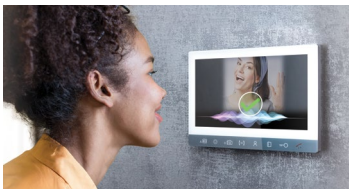
Target Applications

Edge application enabling endpoint voice user interface without network or cloud connections.

Home Automation



Consumer Electronics



Building Automation

Agriculture

■ For more information visit renesas.com/realityai-tools

■ Request a demo to see the voice combination example in operation

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