

KEENEAR VPR EXPERT



Voiceprint Verification 1:1



Voiceprint Identification 1:N



Voiceprint Comparison n:N



Anti-counterfeiting detection

- Synthetic Speech Detection: detect whether audio is speech synthesized audio
- Playback Detection: detect whether the audio is the playback from the original record
- Accuracy: $\geq 90\%$



Our capabilities

- *Playback Detection: detect whether the audio is the playback forgery from the original record*
- *Multilingual feature based classified scoring technology*
- *Fractional symmetric Gaussian normalization based comparison technology*
- *Cross-channel effect improvement based on double-constrained softmax loss algorithm*
- *Massive big-data processing technology*

□ **Champion of 2022 CNSRC**

□ **Winner of VOXSRC 2021**

□ **No.1 of NIST CTS 2020**

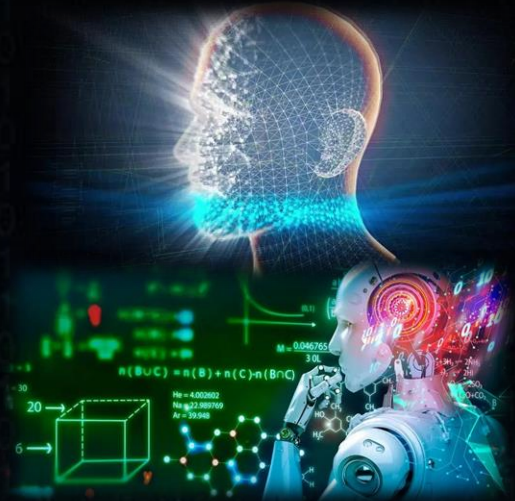


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SPECIFICATIONS

- The voiceprint database supports a voiceprint database with no less than 300,000 IDs, and supports no less than 30 thematic libraries or case libraries;
- Audio and video transcoding: support dozens of mainstream audio and video formats such as mp4, mp3, avi, silk, mpg, m4a, and wav;
- Deep noise reduction: the efficiency of noise reduction processing is not lower than 10 times (10 minutes of audio are processed within 1 minute);
- Audio concentration: the concentration efficiency is not lower than 8 times;
- Separation of conversation voices: support automatic separation of two voices and separation of designated persons for three voices.



HIGHLIGHT

- Rich functions: audio transcoding, speech separation, noise reduction, voice gain, voiceprint database building, voiceprint comparison, clustering, audio compression, in-depth voice forensic (optional), search by voice record (optional)
- The state-of-the-art forensic(anti-counterfeiting) algorithm, voiceprint comparison algorithm
- Excellent hit rate
- Unique search for voice by voice, small sample training, precise query regardless of language
- Thematic libraries and small libraries can be established according to different needs
- Thousands of small libraries, the accuracy rate of Top1 hit rate is more than 95% (1000 ID database)