

IDVoice™ Verified

AI-driven Voice Verification and Voice Anti-Spoofing

IDVoice Verified combines ID R&D's industry-leading voice verification and voice anti-spoofing products into a comprehensive authentication solution that works with mobile, online and telephone channels, as well as physical access and IoT devices.

With advances in the science of biometrics, including AI and machine learning algorithms, voice verification technology has become one of the most accurate and secure ways to authenticate a user's identity – without the frustration of passwords, pins or knowledge-based challenge questions. However, voice verification alone leaves an opening for fraudsters to exploit.

ID R&D solves this problem with a comprehensive authentication solution.

IDVoice

Top-rated Text Independent or Text Dependent Verification

- Unique modified x-Vector approach for feature extraction. The result is unmatched performance including a 10x speed improvement over i-Vector solutions.
- Equal Error Rates as low as 3% and matching time of 0.00003 seconds
- Noise tolerant and supports ultra-short utterances
- Language independent



IDLive Voice

Measurably superior at distinguishing live voices from recordings, synthesized voice, and altered voice in order to detect and stop spoofing attacks including:

- Replay attack detection
- Computer generated voice detection (TTS)
- Computer modified voice detection



In a few milliseconds, IDVoice Verified answers two important questions:

1. Is the speaker a biometric match with the authorized user?
2. Is the speaker a real live person?

The industry's leading voice anti-spoofing technology

Speech conversion, replay attacks, and TTS create certain signal artifacts that are sometimes indistinguishable by a human ear. ID R&D algorithms find and identify such artifacts to accurately determine liveness. IDLive Voice was the highest rated anti-spoofing product in the last ASVspoof.

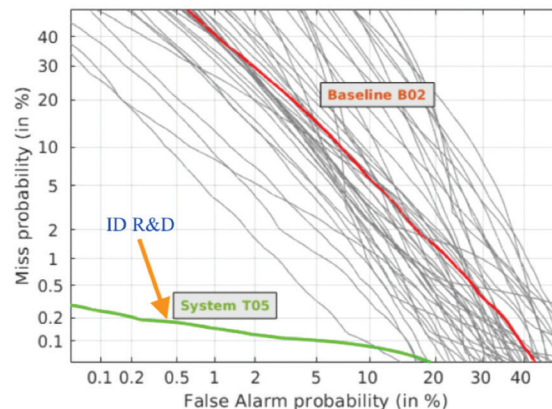


Figure 2: Bona fide/spoof detection error trade-off (DET) profiles for the baseline system (B02) and each of the 48 primary submissions to the LA ASVspoof 2019 challenge.



IDVoice Verified Benefits

- Improve the user experience with frictionless authentication
- Detect fraud and reduce account takeovers
- Quickly identify authorized users and personalize their service
- Reduce agent time spent on verification
- Lower the costs of password management and token-based security

IDVoice Verified can be deployed on device or on server (Private Cloud). The solution is delivered as an SDK on multiple platforms including iOS, Android, Linux, and Windows, and as a Docker image.



Are you ready to learn more? Let's talk!
Visit www.idrnd.ai for demos or to contact us.