Frictionless Biometric Authentication

ID R&D

What We Do

Enterprise-grade Biometrics: *Is the user who they claim to be?*
Passive Liveness: *Is the user a real, live person or is this a spoofing attack?*

Our award-winning, enterprise-grade solutions combine voice and face biometrics with unique passive liveness capabilities for effortless onboarding and authentication across mobile, web and telephone channels, as well as conversational interfaces, IoT devices, and physical access systems. With one of the strongest R&D teams in the industry, we consistently deliver innovative biometric capabilities that raise the bar in terms of usability and performance.

Our Core Product SDKs

IDVoice™ - Text Dependent and Text Independent Voice Verification

Our voice biometrics engine delivers exceptionally low error rates for both text-dependent and text-independent voice verification. ID R&D uses an advanced AI-based approach to provide unmatched performance (see results of NIST 2019 Speaker Recognition Evaluation). ID R&D is a proven technological leader in the global voice biometric industry.

IDVoice works with mobile, web, and telephone channels, as well as with conversational interfaces, standalone devices, and chips.

IDLive™ - Passive Facial Liveness and Voice Anti-Spoofing

Whereas biometric authentication verifies a user is a match with the authorized user, liveness detection identifies presentation attacks including the use of photos, masks, video, recorded voice, computer-generated voice and more to impersonate an authorized user.

IDLive Voice detects the difference between a live voice and a recorded or synthesized voice (deepfakes). The technology ranked #1 in the 2019 ASVspoof challenge.

IDLive Face delivers the world's first passive facial liveness, detecting the use of photos, cutouts, videos, and more. Users don't have to follow any prompts, such as reciting phrases, turning their heads, blinking, or moving the phone. The Level 1 and Level 2 ISO 30107-3 compliant technology works across channels and is device agnostic with no need for capture-side software.

iBeta QUALITY ASSURANCE | LEVEL 1 ISO 30107-3 Presentation Attack Detection | TESTED COMPLIANT

iBeta QUALITY ASSURANCE | LEVEL 2 ISO 30107-3 Presentation Attack Detection | TESTED COMPLIANT

Common Use Cases

> **Password Replacement.** Using voice and/or face biometrics on mobile and web devices results in significant security and usability benefits over passwords.

> **Strong Customer Authentication (SCA).** Turn any standard password-based login process into two-factor authentication with no additional user effort.

> **Fraud Prevention in Remote Onboarding.** IDLive Face passive facial liveness is widely deployed in remote onboarding solutions for its ability to detect fraud during identity proofing without adding friction to the process.

> **Fraud Detection in the Contact Center.** Using ID R&D's text independent voice biometrics, Enterprises can easily check new subscribers against a "watchlist," as well as compare voices with those used for other recently opened accounts.

> **Voice Authentication in the Contact Center.** ID R&D uses advanced text independent voice biometrics to enable continuous, passive authentication based on streaming speech in an IVR or in a conversation between a customer and agent.

> **Continuous Authentication for Conversational Interfaces.** ID R&D SafeChat brings zero-effort, continuous authentication to chatbots and virtual assistants through five layers (modalities) of biometric security.

> **Embedded Voice Biometrics.** ID R&D is leading the way in the delivery of high accuracy, low footprint voice biometrics that can be implemented on the edge – from chips to IoT devices – for a new era of security and personalization in the voice-enabled UX.

Why ID R&D?

Intense focus and investment in the science of biometrics for best-in-class technology and innovation

Multi-modal biometric solutions offer frictionless, continuous authentication for a better UX and improved security

Latest machine learning algorithms for industry-leading speed and accuracy

Unique, truly passive liveness detection works in the background with zero user participation

Safety of biometric data – store encrypted prints in your cloud, on your premises or on the user's device

Cross-channel biometric enrollment capability eliminates the need for users to re-enroll across channels

Awards and Recognition

ID R&D

Deliver a new generation of authentication that requires zero user effort yet is significantly more secure. Learn more at www.idrnd.ai