IDLive® Face

Facial Liveness Detection

Passive | Single-Frame | Unbiased | ISO Compliant

Liveness detection technology identifies "presentation attacks" where fraudsters use photos, cutouts, masks or video of an authorized user in an attempt to spoof a facial biometric system. Stopping these attempts is critical to a variety of use cases including mobile and online authentication and digital onboarding.

Advantages of Passive Liveness

There are a few approaches to liveness detection. Most require awkward actions that create a poor user experience, such as turning their head, blinking, or reading words or numbers. ID R&D's passive liveness approach eliminates the need for user interaction. The single-image approach uses the same selfie taken for facial matching, working transparently in the background to verify liveness in milliseconds.

Live person

vs

Photo, screen, cutout photo, video, mask

- Delivers a significantly better user experience
- Eliminates user confusion and errors
- Invisible to fraudsters
- Detects and stops spoofing attacks

IDLive Face is ISO/IEC 30107-3 compliant, having passed Level 1 and Level 2 Presentation Attack Detection (PAD) conformance testing by iBeta with a perfect score, and is the first single image passive liveness product to pass iBeta Level 2.

IDLive Face is also the first product to be independently tested for demographic bias and demonstrated to be fair. The product is used in more than 30 countries to perform millions of liveness checks every month.

Types of attacks detected:

- Printed high resolution photos
- Printed cutouts
- Video replay attacks
- Digital photos
- Mask attacks
- Mannequins, dolls etc.

The world's first passive–and first proven unbiased–facial liveness.

IDLive Face can be deployed with any facial recognition product, on any mobile, web or standalone device with a camera.

IDLive Face is built on many decades of collective research and development focused on advanced machine learning algorithms, proper data collection and categorization, and training. The product uses computer vision techniques and extensive internal innovation to deliver unique liveness detection capabilities. With a single frame capture, we perform quality analysis and identify many types of presentation attacks.

- Completely passive; no need for action by the user
- No capture-side software needed
- Single image analysis; works with a selfie taken for facial recognition
- Works in various lighting conditions
- Works with eyeglasses, beards, and makeup
- Cross-channel operation across mobile, web, and stand-alone devices

About Us

ID R&D is on a mission to replace fraud-prone onboarding and frustrating authentication practices with a frictionless user experience that is significantly more secure.

Founded in 2016, ID R&D is growing rapidly, with headquarters in New York City and staff based around the world. Our biometrics research and engineering teams are domain experts and industry veterans, with PhDs in speech, image processing, and machine learning.

IDR&D

Are you ready to learn more?
Visit www.idrnd.ai for details, demos or to contact us.