



IDLive® Doc

ID Document Liveness Detection



IDLive Doc is the first standalone product for document liveness detection, an essential countermeasure to document-based presentation attacks on digital onboarding.

Preventing presentation attacks is critical to ensuring the integrity of digital identity verification in a remote or online onboarding process. 90% of document-based attacks on digital IDV are presentation attacks.

Prevent ID Document Spoofs

IDLive Doc helps ensure that the ID document presented during mobile onboarding is live, present, and in the possession of its owner at the time of capture. It prevents attacks that use a full or partial reproduction of a document. These include screen replay, printed copy, cutout printed copy, and portrait substitution attacks.

Without effective countermeasures to document-based spoofing, fraudsters can conduct scalable attacks using easily-obtained digital images of identity documents.

IDLive Doc applies AI to detecting document spoof attacks that manual inspections cannot, and reduces the time needed for human visual review. IDLive Doc does not perform OCR or collect identity data, it does not require software on the device, and works with a single image of the document.

Key Features

- Stops replay attacks using images digitally displayed on a screen
- Prevents portrait substitution attacks using a facial image cut and pasted over the original
- Detects printed copies of documents using a copier or scanner
- Reduces manual review time and detects the attacks humans miss
- No capture-side software needed
- Works with a single image
- No OCR or collection of identity data
- Works universally on different types of documents, including driver's licenses, passports, and national IDs

Specifications

- Image orientation: portrait or landscape
- Minimum image size: 1080p
- Supported documents: passports, identity cards, and national IDs
- Allowed compression: JPEG 70 or less
- Linux and Windows compatible



Live, present ID document in possession

VS



Digital screen display



Portrait substitution



Printed copy


Detects screen replays, printed copies, and portrait substitutions.

The product can be deployed with any document capture solution and is compatible with any mobile device with a camera.

IDLive Doc is built on over 100 person-years of 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 detect the document within the image, perform quality analysis on the image, and identify the presence of artifacts that are found in various types of presentation attacks.



-  Stops attacks that humans cannot detect
-  Reduces time needed for human visual review and inspection
-  Detects all most common attack modes
-  No OCR or identity data collected
-  Works with a single image without video or multiple image frames
-  Works universally on all identity document types



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.



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