Face-Based Biometrics

Jumio's facial authentication software provides real-time protection against identity theft and impersonation.



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JUMIO v. FACETEC
IPR2025-00108

How Jumio's Facial Authentication Technology Works

Capture Selfie

Users take a selfie with their smartphones or other devices to create a biometric template for our facial recognition system.

Evaluate Results

Our system compares the images and automatically provides scores on validity/liveness and similarity.

Compare Against ID

The facial biometrics in the selfie are compared against the photo in the ID document using artificial intelligence.

Alert Against Fraud

If our facial recognition technology detects any anomalies, we'll alert you of possible fraud.

Protect Against Stolen Identities and Impersonations

Jumio's biometric technology enables us to verify that an ID document truly belongs to the person making the transaction. Biometrics and face recognition software add a critical layer of protection against stolen IDs and impersonation attacks.



Learn more:

On-Demand Webinar:
How Liveness Detection and Face Biometrics Make Data Breaches Irrelevant

Blog Post:
What is Biometric Authentication?

Blog Post:
How Does Selfie Identity Verification Work

Biometric Identification Made Easy

It's a simple and familiar task for your users — all they have to do is take a selfie. Jumio uses this selfie to create a biometric template and to perform advanced facial scanning.

We compare the user's facial biometrics to the photo on the ID document and perform two checks: one for validity and liveness, and one for facial similarity.

The validity check determines whether the selfie is a valid, live selfie — not a prerecorded video, bot or deepfake.

The similarity check, which is also powered by AI and machine learning, determines whether the image in the selfie matches the photo in the identity document. If the similarity is too low, we alert you to the possibility of impersonation fraud.

Put simply, our technology can automatically evaluate biometric data and facial features to find out if two separate photos match up or if there is the potential for fraud.

FAQs

What are face-based biometrics?

What are the most important use cases for this technology?

What devices can users use for selfie submissions?

Users can use any device — everything from laptops to Android tablets to Apple iPhones — to take and upload their selfie into the business's app. If a device can only capture low-resolution facial images (such as a webcam), Jumio's software allows a user to start the journey on their computer and then take the selfie using their mobile device. This support for devices from all providers ensures the broadest coverage for your customer base.

How is personal data protected after evaluation?

Get Started

Let a Jumio expert show you how easy it can be to integrate our automated solutions into your existing processes.

Request a Conversation



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SOLUTIONS

Platform
Identity Verification Solutions
ID Verification
Selfie Verification
Premium Liveness Detection
Doc Proof
Video Verification
Authentication
Fastfill
Jumio Go
Cross-Transaction Risk Risk Signals
Government Database Checks
Address Checks
AML Screening

PARTNER SOLUTIONS

AWS
Azurian
Microsoft
Oracle
Sift

USE CASES

Fraud Detection
Prevent Account Takeovers
Age Verification
KYC & AML Compliance
User Onboarding
New Account Onboarding for Banks
Digital Identity Verification
Going Passwordless
KBA Replacement

INDUSTRIES

Financial Services
Gaming
Sharing Economy
Healthcare
Travel
Mobility
Education
Public Sector
Telcos
Retail

FEATURES

Features
Compliance
KBA Alternatives
Compare

TECHNOLOGY

Overview
Fraud Detection Technology
Platform Technology
Integration Channels

ABOUT

Company
Careers
Leadership
Security
Privacy and Trust Center
Global Coverage
Press Releases

RESOURCES

Library
Blog
Webinars
Case Studies
Technical Blog
Jumio Showcase App
TCO Calculator

Media Resources
Partner Program
Partner Login
Events
Awards
Fintech Equality Coalition

2024 iGaming Report
2025 Identity Study
Deepfake Detection Guide
Technical Documentation

CONTACT JUMIO

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LANGUAGES

English
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French (Français)
German (Deutsch)
Chinese (简体中文)

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