INNOVATRICS

Identity Verification

Contactless Palm Verification

A privacy-centric, fast and secure biometric verification

Two-factor authentication made easy

Contactless palm verification adds a secure, fast, and frictionless second factor to remote identity verification.

A simple palm gesture reassures that the verified face matches the genuine user.

Why it makes sense for you

It's strengthening trust

Innovatrics' palm verification provides a secure, contactless layer of biometric verification to strengthen two-factor authentication (2FA) processes.
Palm verification can also make a secure alternative to face verification, offering users privacy and control over their security.

It's practical & inclusive

Indoors or outdoors, from new to older smartphones, it performs consistently. Unlike vein scanning, its accuracy stays unaffected by temperature or health factors.
The algorithm is trained on a diverse dataset, ensuring consistent accuracy across all skin tones, tolerating scars or aging.

It's secure by design

Advanced liveness detection protects against presentation attacks, such as printed or screen images. Our video injection detection further safeguards against deepfakes and digital manipulation, ensuring the image always comes from a genuine camera.

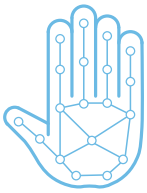
It's flexible & scalable

Innovatrics' palm verification integrates easily into any digital onboarding or authentication workflow. It supports both on-premise and cloud deployment, can be tuned for high-security or user-centric use cases, and scales effortlessly across platforms and devices.

How it works?

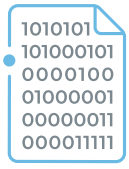
Camera capture

A camera captures an **image of a palm,** while **liveness detection** prevents presentation attacks.



Feature extraction

Advanced algorithms analyze the image and create a **unique biometric template.**



Template

The template is used for **secure verification (1:1) or identification (1:N),** depending on the use case.

Where it works?

Our contactless palm verification works with everyday devices like smartphones or IP cameras which makes it easily deployable and accessible for a wide range of uses.

- Second-factor authentication
- Passwordless login
- Password reset
- Biometric CAPTCHA
- Payments authorization
- Passenger verification
- User authentication
- Access Control

GDPR Compliance

Palm images and templates are considered personal data under GDPR. Our technology is delivered as a toolkit hosted by the customer, ensuring full control and compliance on their side.

Because people generally see palmprints as “safer” than their faces, they usually feel more comfortable using them. Images of palms are rarely shared publicly, and the act of showing one’s palm is intentional, signaling consent.

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Building trust all over the world

With over 20 years of experience, we are an independent EU-based provider of high-performance biometric solutions, trusted worldwide by governments, businesses, and law enforcement agencies. Our fingerprint, face, and iris algorithms rank among the fastest and most accurate in the world, powering flexible identity solutions in more than 80 countries and benefiting over a billion people.

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