Enterprise Identity Verification

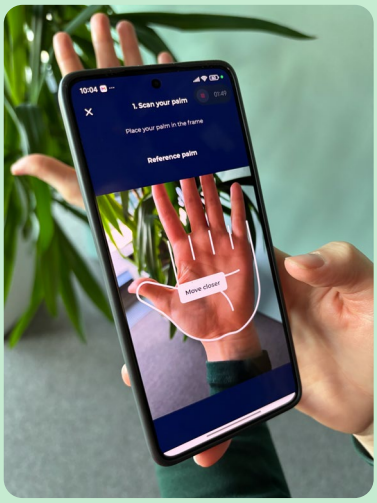
A privacy-centric, fast and secure biometric verification

Contactless Palm 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 helps confirm 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 serve as a secure alternative to face verification, offering users privacy and control over their security.

It's practical & inclusive

It performs consistently indoors and outdoors, on both newer and older smartphones. 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, even with scars or aging.

It's secure by design

Advanced liveness detection protects against presentation attacks, such as printed or screen images.

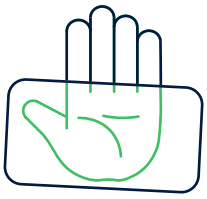
Our injection attack detection (IAD) further safeguards against deepfakes and digital manipulation, ensuring the image always comes from a genuine camera.v

It's flexible & scalable

Innovatrics' palm verification integrates easily into any digital onboarding or authentication workflow.

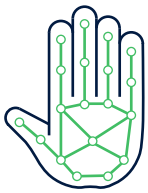
It supports both on-premise and cloud deployment, can be tuned for high-security or user-centric use cases, and scales effortlessly across platforms and devices.

How it works?



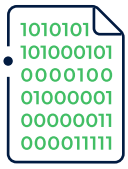
Camera capture

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, making 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.

Building a world of instant trust

Innovatrics helps governments, enterprises, and their partners deliver trusted identity services. We design industry-tuned biometric identity solutions that help people prove who they are with minimal friction. From national ID systems and border control to criminal investigations and digital onboarding, our solutions are built for real-world conditions and trusted in large-scale deployments worldwide. Since 2004, we have helped partners deliver identity systems used by more than a billion people.

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