IDQR

Simple identity verification and authentication for everyone, with a high level of trust

DQR combines advanced physical and digital security by embedding a laser-engraved QR code into polycarbonate identity documents, ensuring data authenticity and tamper-proof protection. It enables seamless biometric verification for agents and citizens, offering fast, secure, and reliable identity checks through an intuitive interface.

Bringing the physical and digital worlds together

Fraud in identity documents is becoming increasingly sophisticated as criminals adopt innovative methods to bypass traditional security measures. Counterfeit documents, tampered-with data, and stolen identities pose significant challenges to governments and organizations worldwide. To address these growing challenges, it is essential to combine the reliability of physical security features with the versatility of digital technology. By bridging the physical and digital worlds, we ensure stronger, more efficient protection against fraud while maintaining ease of use and accessibility.

What is IDQR?

IDQR is a laser-engraved QR code, permanently embedded during the personalization process within a polycarbonate document.

This QR code combines the bearer's full-color photo and biographical information.

The full dataset is digitally signed by the issuing country, ensuring the data's integrity and preventing unauthorized alterations or regeneration of the QR code.

With its intuitive interface, IDQR enables the performance of two critical verifications:

› **Document holder verification**— For eServices such as opening a bank account or renting a car, the document holder can perform their own biometric verification. This includes authenticating the data of the document as well as performing a biometric selfie check to confirm that the individual matches the portrait stored in the QR code.

› **Document authentication**— Confidence is this is achieved by confirming the integrity of the QR code's data and subsequently matching it against the human-readable data from the personalization of the card.

Benefits

Secure

The data in the QR code is digitally signed by the issuing country to ensure the biographical data's integrity.

Future-proof

IDQR is a future-proof solution, integrating the original photo of the document holder that will be used for biometric verification.

Optimized for face matching

The QR code contains a photo of sufficient quality to enable accurate biometric face matching.

Why IDEMIA Smart Identity?

With over 3.5 billion identity documents issued worldwide, and 79 countries with active programs, IDEMIA Smart Identity has extensive experience in producing tamper-proof documents. Innovation is key in the fight against security threats, and IDEMIA Smart Identity continuously innovates to be one step ahead of fraudsters. IDEMIA Smart Identity's security concept ensures that ID documents are hard to reproduce but easy to inspect.

‹‹|›› IDEMIA SMART IDENTITY

How it works

To confirm the document's authenticity, two photos of the front and back of the identity document are captured.
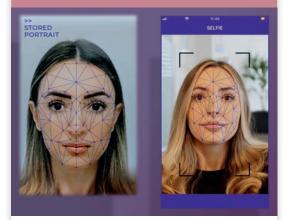
The application analyzes the document's template, reads the authenticated information from the QR code, and compares it to the physical document. A detailed report and an overall verification result can be provided for review.

All data is securely transmitted and processed in the shortest time possible, delivering a seamless, trustworthy verification experience that effectively bridges the gap between physical and digital security.
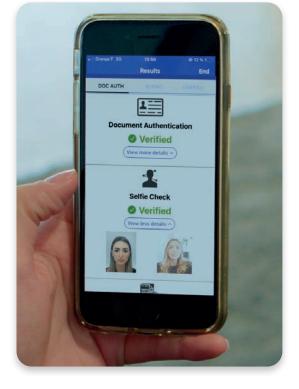
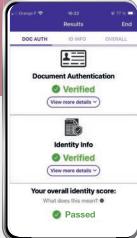**Biometric matching to verify the document holder's live selfie against the portrait stored in the QR code**

Use of the original photo for biometric comparison, using advanced vector calculation

Verification and authentication of the document through data integrity proofing by an agent

More details

www.idemia.com