Capture SDK for Travel

Verifying traveler identities with mobile devices







e live in an increasingly connected world where digital technology is leading the way to greater mobility. To support the travel industry's digital transformation, airlines, airports and governments are stepping up their efforts to offer travelers a pleasant and secure experience. The first fundamental step of this journey is to accurately verify the traveler's identity.

IDEMIA's Capture SDK for travel securely captures biometric and travel document data using mass market mobile devices (smartphones or tablets). This enables the seamless verification of the traveler's identity, either remotely or on-site. Capture SDK allows governments,

airports and airlines to easily integrate biometric and document data capture capabilities in their **own applications.** This enhances the traveler's experience in various use cases, such as **remote check-in** or **on-the-fly identity verification** by a border quard.



Top-rated biometric technology

- High-quality, multi-biometric capture (face and fingerprint)
- > Presentation Attack
 Detection: face and fingerprint (active or passive)
- GDPR compliant



Breakthrough fingerprint capture

- Simultaneous, automatic fourfingerprint capture without any specific additional sensor
- Compatible with existing contact databases



User-friendly

- > Anytime, anywhere solution
- > Automatic, easy-to-use



Easy operation

- > Online resources for developers
- > Easy to customize











IDEMIA, your #1 partner in biometric programs

With **50 years**' of **experience** and over **5 billion** biometric records managed worldwide, IDEMIA is the undisputed leader in biometric technology. Our algorithms—consistently ranked in the **NIST top tier** across **many modalities** and **multibiometric** solutions—combined with our product design and manufacturing expertise make us the partner of choice. We deliver **advanced**, **high-quality** biometric solutions to support the travel industry while respecting regulatory frameworks and deadlines.

Capture SDK is already proving itself through the **MONA pilot** at **Lyon-Saint Exupéry Airport.** Seamlessly integrated into the airport's app, Capture SDK enables travelers to **accurately capture** their **face** and **travel document** using their **smartphone** from the comfort of home. Once at the airport, the traveler does not need to present their travel document, and can enjoy a **smooth journey** from **airside zone access** to **boarding.**





Anytime, anywhere biometric and travel document data capture

Supporting reliable remote check-in





On-the-fly identity verification





- Automatic travel document data capture:
 MRZ and data page
- NFC chip reading (with compatible devices) according to national regulations (optional feature via remote platform)
- Travel document authenticity check (optional feature via remote platform)
- Live face capture (selfie) with passive or active Presentation Attack Detection
- > Biometric authentication (1:1) and identity validation

- Automatic travel document data capture:
 MRZ and data page
- > NFC chip reading (with compatible devices)
- Travel document optical authenticity check (optional feature via remote platform)
- > Live face capture (rear camera)
- Simultaneous four-fingerprint capture
 (rear camera)—includes fake finger detection
- Biometric verification (1:1, 1:N) locally or remotely (SaaS, on premise)

Capture SDK additional benefits

TOP-RATED BIOMETRIC

- > Embedded quality control
- Presentation Attack Detection (active and passive): level 2 tested by iBeta according to ISO 30107-3
- High matching accuracy (on the user's device or remote backend)
- > Compatible with IDEMIA's ID proofing services
- > GDPR compliant: the user's personal data is not stored by the SDK

EASY OPERATION

- Seamless integration into existing mobile devices: no additional hardware to deploy, no specific hardware to integrate
- Easy customization: No GUI restrictions, sample source code is provided with graphical resources
- > Works in various lighting conditions
- Runs on most medium and high range smartphones (minimal device video resolution of 720p)
- > Compatible with Android 7+ and iOS 13+

BREAKTHROUGH FINGERPRINT CAPTURE

- > **High-quality** fingerprint images
- > Contactless, no latent prints
- Fake finger detection
- > Works with wet, dry, dirty and damaged fingers

USER-FRIENDLY

- > User-centric: intuitive, ergonomic, non-intrusive
- > Compatible with various traveler profiles
- Touchless fingerprint capture, mitigating hygiene concerns
- > **User guidance** throughout the capture





