

# PaXpress™ Capture SDK

Swift, secure traveler biometric enrollment



Rising traveler volumes mean enhancing flow management, reducing processing time, and improving on-time performance are becoming fundamental to the travel industry. Moving traveler identity verification and enrollment upstream, away from the terminal, is a powerful option to ease pressure on port operators and carriers. For travelers, this translates into the secure creation of a trusted digital ID before arrival.

Choose our biometric identity verification solution to reduce waiting times and regulate bottlenecks throughout the traveler journey.

Field-proven, modular solution, PaXpress™ Capture SDK, enables **secure, simple, and swift identity verification**, using standard mobile devices (iOS, Android). It helps create a genuine digital ID that can be securely shared—with traveler consent on the day of travel with relevant stakeholders—or kept in their smartphone.

Compliant with IATA's One ID concept, PaXpress™ Capture SDK performs secure document authenticity checks, live face capture with liveness detection, 1:1 biometric authentication, and boarding pass scans—**allowing travelers to arrive “ready to travel,”** move smoothly through each step of the journey, and enjoy customizable services.

Easy to integrate, PaXpress™ Capture SDK helps upgrade carriers' and port operators' applications with automatic biometric and travel document capture. To address various enrollment strategies, it is available in three configurations:

- › PaXpress™ Capture SDK **Essential**
- › PaXpress™ Capture SDK **Professional**
- › PaXpress™ Capture SDK **Extended**

## IDEMIA Public Security #1 in biometric technology



With over 50 years of experience in the field of biometrics and more than **6 billion biometric records** managed worldwide, IDEMIA Public Security is your trusted partner for identity verification programs and the management of highly sensitive biometric data.

Our algorithms are independently recognized as **the most accurate and fair** on the market, consistently ranking at the top of performance evaluations—including those conducted by the National Institute of Standards and Technology (NIST).

**PaXpress™ Capture SDK** has proven itself through the Biometric Experience pilot (previously known as MONA) at Lyon-Saint Exupéry Airport, from 2020 to 2024. Seamlessly integrated into the airport's app, PaXpress™ Capture SDK enabled travelers to accurately capture their face and travel document using their smartphone from the comfort of home. Once at the airport, the traveler did not need to present their travel document and was able to enjoy a smooth journey, from airside zone access to boarding.

## Benefits



### Top-rated facial biometrics

- > High-quality face capture and accurate, fair matching
- > Advanced Presentation Attack Detection (PAD)



### Secure

- > Privacy by design—traveler consent is mandatory
- > No storage of a traveler's personal data by PaXpress™ Capture SDK



### User friendly

- > User guidance throughout the process
- > Intuitive, ergonomic, non-intrusive solution

## Scalable, modular solution addressing specific enrollment strategy

	Capture SDK Essential	Capture SDK Professional	Capture SDK Extended
Face capture	✓	✓	✓
Age estimation	✗	✓	✓
Liveness detection	✓	✓	✓
Biometric matching	1:1	1:1 and 1:N	1:1 and 1:N
MRZ/PDF extraction	✓	✓	✓
Full OCR	✗	✗	✓
NFC chip reading	✗	✓	✓
Document authentication	✗	✗	✓
Boarding pass capture	✓	✓	✓
Backend	✗	WebBio Server	ID Proofing Platform

## PaXpress™ Capture SDK additional benefits

### TOP-RATED FACIAL BIOMETRICS

- › **Frontal, tight-framed** face capture with built-in quality control
- › **Fair and accurate algorithms** for everyone, regardless of gender, age, or ethnicity
- › **Active and passive liveness detection:** level 2 tested by iBeta according to ISO 30107-3
- › **High matching accuracy** on the mobile device or remote backend (on-premise or SaaS)
- › **GDPR compliant:** only traveler's digital unique identifier is shared on the day of travel

### EASY OPERATION

- › **Seamless** integration into existing mobile devices, no additional hardware to deploy, no specific hardware to integrate
- › **Online resources** for developers
- › **Easy customization,** no GUI restrictions, sample source code provided with graphical resources

### USER-FRIENDLY

- › **Compatible** with most medium and high range mobile devices
- › **Automatic, simple** document and biometric capture
- › **Simple** data management by the traveler (update, erase)
- › **Adapted** to various lighting conditions
- › **Suitable for** various traveler profiles
- › **Easy** creation of digital IDs for family members

### SECURE

- › **Reliable** identity proofing: ID Proofing Platform (SaaS, private cloud, on-premise) for thorough document inspection and validation
- › **No storage** of traveler's personal data and biometrics by PaXpress™ Capture SDK

