

BORDERGUARD™ Capture SDK

Multibiometric, on-the-go traveler identity verification



At borders, mobile forces must verify a traveler's identity accurately and quickly, while acting on possible threats, regardless of the operating environment and conditions. Now, to support agents in their duties, reliable, efficient, mobile solutions are no longer optional—they are mission-critical.

Choose our leading-edge, multibiometric, on-the-go traveler identity verification solution to support mobile border guards with their daily tasks.

Powered by state-of-the-art technologies, BORDERGUARD™ Capture SDK conducts **reliable, fast, and convenient identity verification**, anytime, anywhere—increasing throughput while keeping a high level of security at air, land, and sea borders.

Compatible with standard iOS and Android mobile devices, BORDERGUARD™ Capture SDK performs **automatic travel document capture, live facial capture, and simultaneous four-fingerprint acquisition** with embedded liveness detection. It supports accurate, fair biometric matching, both 1:1 and 1:N, enabling reliable identity verification and quick decision making in the field.

Easy to integrate into existing agency applications, BORDERGUARD™ Capture SDK is available in three configurations to fit various operational needs:

- › BORDERGUARD™ Capture SDK **Essential**
- › BORDERGUARD™ Capture SDK **Professional**
- › BORDERGUARD™ 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).



› **#1 in NIST Proprietary Fingerprint Template (PFT) III benchmark** on all test datasets (Mar 2025)

› **#1 in NIST Evaluation Latent Fingerprint (ELFT) benchmark** for forensic identification (Mar 2025)



› **#1 in fairness**—equitable treatment independent of age, gender, or ethnicity—for **NIST Face Recognition Technology Evaluation (FRTE, Jan 2025)**

› **#1 in age estimation**—evaluate a person's age based on their face—for **NIST Face Analysis Technology Evaluation (FATE, Nov 2024)**



Benefits



Top-rated facial biometrics

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



Breakthrough fingerprint capture

- › Automatic, simultaneous four-fingerprint capture without any specific additional sensor
- › Compatible with existing contact databases



Easy integration

- › Online resources for developers
- › User-centric: intuitive, ergonomic, non-intrusive solution

Scalable, modular solution addressing specific operational needs

	Capture SDK Essential	Capture SDK Professional	Capture SDK Extended
Face, fingerprint 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	✗	✗	✓
Backend	✗	WebBio Server	ID Proofing Platform

BORDERGUARD™ 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:** no storage of traveler's personal data by the SDK

BREAKTHROUGH FINGERPRINT CAPTURE

- › **High-quality** fingerprint images
- › **Touchless, no latent** prints, mitigating hygiene concerns
- › **Compatible** with wet, dry, dirty, and damaged fingers
- › **Liveness detection**

EASY OPERATION

- › **Automatic, simple** document and biometric capture
- › **Seamless** integration into existing mobile devices, no additional hardware to deploy, no specific hardware to integrate
- › **Easy customization,** no GUI restrictions, sample source code provided with graphical resources
- › **Compatible** with most medium and high range mobile devices (minimal video resolution of 720p) for face capture, and with a limited set of high-end smartphones for fingerprint capture
- › **Adapted** to various lighting conditions
- › **Suitable** for various traveler profiles
- › **User guidance** throughout the clearance process

