



4 Fingers Export SDK

Veridium's mobile contactless fingerprint capture opens up a variety of possibilities in identity verification. We are able to capture four fingers at once on a mobile device without the need for additional hardware and sensors, then match these images to legacy fingerprint databases. All at a lower cost and with more convenience than hardware scanners provide. 4 Fingers Export can match against legacy fingerprint databases including AFIS, Mexico INE, Interpol, Eurodac, IDENT1, Aadhaar, and more.

Key Benefits

4 Fingers Export captures fingerprint biometrics touchlessly on most iOS or Android smartphones that have a 5MP camera and LED flash making it easy to deploy anywhere. For many nations, fingerprinting is required for identification when opening a bank account, receiving government benefits or healthcare, for example. 4 Fingers Export allows for a more cost-effective, seamless registration and enrollment process, eliminating the cost of flat-bed scanners while meeting Know Your Customer, GDPR, PSD2 and other security and privacy regulations.

This method of capturing fingerprints allows for convenient, quick, and secure identification for law enforcement as well, enabling fast matching against law enforcement databases in the field. Veridium is one of a few companies working with the National Institute of Standards and Technology (NIST) to include 4 Fingers TouchlessID in the government's certification program for contactless fingerprint capture. This will guarantee future compatibility with developing law enforcement and immigration fingerprinting standards.

Our technology ensures the utmost privacy and security for end users. Veridium's solutions are built using IEEE 2410, the Biometric Open Protocol Standard, and Visual Cryptography. Visual Cryptography is more secure than other methods because the data is stored so that, even if compromised, no useful information can be recovered or acquired.



www.VeridiumID.com
info@VeridiumID.com

United States

100 Hancock Street
10th Floor
Quincy, MA 02171
877.301.0299

United Kingdom

Chalfont Park, Building 1
Gerrards Cross SL9 0BG
United Kingdom
44.1753.208780

Key Features



Seamless Integration

Integrates with any app for complete customization and compatibility across platforms.



Broad Database Compatibility

Scales with any environment for small or large user bases, performing capture and export in 5 seconds or less.



Cost Efficiency

Requires no additional hardware beyond the user's smartphone, so it's a low-cost deployment for businesses.



Broad Device Compatibility

Compatible with a broad range of iOS and Android devices, even those without a built-in fingerprint sensor.



Reliability

Scales with any environment for small or large user bases, performing capture and export in 5 seconds or less.



Liveness Detection

Uses proprietary liveness detection to distinguish between a real person or a presentation attack.

Technical Specifications

Minimum Device Specifications

CAMERA

5MP camera w/ LED flash

OPERATING SYSTEM

Android 4.1 or later

iOS 9 or later

Capture Specification

500 DPI resolution

~3 second image capture time

~6 inch capture distance

+/- 1 inch finger positioning tolerance

(X,Y,Z)

Switchable between four, five, eight, and 10 finger modes

Performance Specifications: 1-1 Verification

False Rejection Rate (FRR) of 1.0%

At a False Acceptance Rate (FAR) of 0.01%

Performance Specifications: 1-n Identification

FRR of ~3%

At a FAR of 1 in a Million (per hand)

FAR of >1 in a billion (both hands)

Export Formats

- ANSI/NIST-ITL 1-2007
- ANSI/NIST-ITL – INTERPOL
- ISO/IEC19794-4, 2005
- RAW print images in B&W segmented and in .zip format
- WSQ, B&W segmented prints packed in .zip format
- NFIQ quality score provided
- Other formats available on request