

Slapshot

Contactless Identification Software

Groundbreaking SDK software that turns your phone into a mobile identity device!

- Better verification using 4-4-2 for the price of a two-finger device
- Improved certainty in the field
- Empower your entire fleet
- Protects your investment in legacy databases
- One less thing to carry/one less thing to charge

Presenting Integrated Biometrics Slapshot, powered by Sciometrics. Capture high-quality, processable, 500ppi fingerprint images using the camera on your smartphone equipped with innovative software from Integrated Biometrics. In partnership with Sciometrics, Integrated Biometrics has developed an advanced touchless fingerprinting technology called Slapshot.



Slapshot supports 4-4-2 fingerprint capture, facial recognition, and metadata using state-of-the-art matching algorithms.

Features & Benefits

Slapshot is available as an alternative to a separate, wired fingerprint sensor connected to your tablet or phone for enrollment, identification (1:N) or verification (1:1) purposes. Slapshot supports fingerprint and facial recognition using state of the art matching algorithms. Fingerprints can now be captured by advanced software that enables the camera in your existing smart phones to generate images with a quality capable of precise identification. Facial recognition and metadata supplement the identification process for any potential suspect or person of interest.

This groundbreaking approach turns almost any smart phone into a biometric capture device, and with minimal integration, your entire force can leverage their existing smart phones to capture fingerprints for identification and verification, receiving matching results in seconds from a centralized repository.

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Slapshot functions on Android devices that support Android 10 or later operating systems and relies on the device's rear high-resolution camera. Image captured from the camera are automatically processed on the device in the background and converted into EBTS files. Once the fingerprint image is taken, the fingerprint matcher in the cloud returns results instantly.



Slapshot APIs

The Slapshot SDK allows developers to capture contactless fingerprints and other biometrics within their own apps via calls to the Slapshot APIs. Examples include:

Capture API

The Capture API allows for finger captures to be configured and requested from within the application. The API then walks the user through capturing the requested biometrics (e.g. left slap, right slap, etc.). The capture requests can be individually configured to meet the use-case needs selfie/administered, capture review enabled/disabled, quality validation constraints, and more. The data returned can be either images or biometric data embedded in an EBTS file.

Matching API

The Matching API facilitates sending images to matching technologies for different biometrics. Developers can create their own matching pipeline from the supported technologies to perform multi-modal queries or remote 1:1 verification from a centralized biometric database.

Application

- Works on modern Android smartphones
- Android 10 or later
- 4 GB RAM or greater
- 8 MP camera (minimum)
- Communicates via internet service, email or MMS

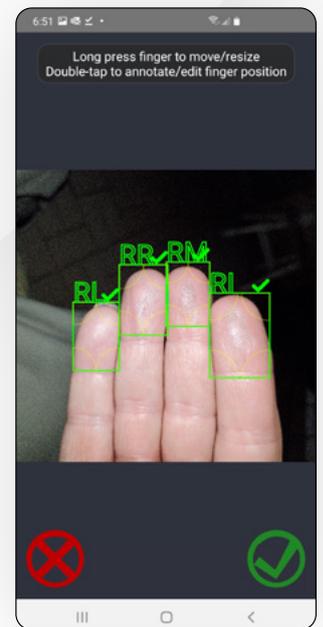
SDK Components

- JAVA APIs available for integration in applications
- SDK comprised of 4 SDK modules:
 - Module 1: Biometric Capture API
 - Module 2: Query/Database Management API
 - Module 3: Settings API
 - Module 4: Device Calibration API

Minimum Device Requirements

- 8MP back-facing camera
- At least Camera2 API limited support
- 4GB RAM

Slapshot supports on-device matching, or submission to an AFIS system for matching against larger databases.



About Integrated Biometrics

Integrated Biometrics (IB), a pioneer in biometric fingerprint technology, designs and manufactures advanced, high-resolution touchless and FBI-certified contact identity solutions for government, law enforcement, military, social services, and a wide range of commercial applications. IB's lightweight scanners, supported by our patented light-emitting sensor (LES) technology, outperform traditional fingerprint devices in size, power consumption, portability, and reliability. Global organizations rely on IB's products to enroll and verify identities quickly and accurately, even in remote locations under extreme conditions. Commercial enterprises, government and financial services organizations depend on IB to build innovative, secure applications to establish identity in accordance with national and international standards.



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