

CamralB

Contactless Identification Software

Groundbreaking SDK software that turns your phone into a mobile identity 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 CamralB. 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 CamralB.



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

Features & Benefits

CamralB 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. CamralB 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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CamralB 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.

CamralB APIs

The CamralB SDK allows developers to capture contactless fingerprints and other biometrics within their own apps via calls to the CamralB 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

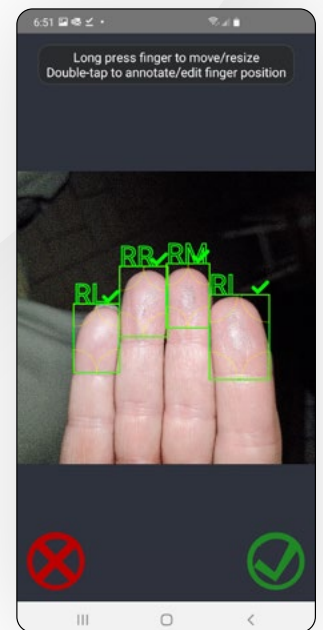
SDK Components

- 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

- At least Camera2 AP, level 3 or better. Contact your IB representative to ensure your phone's compatibility.
- 8MP back-facing camera
- 4GB RAM

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



About Integrated Biometrics

Integrated Biometrics (IB), a pioneer in biometrics technology, designs and manufactures advanced, high-resolution touchless identification SDK software and the world's most mobile, durable and reliable FBI-certified fingerprint sensors. Law enforcement, military, homeland security, national identity, election validation, financial and social services organizations around the world rely on Integrated Biometrics products for fast, accurate enrollment, identification and verification, even in remote locations under extreme conditions.



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