

MBIS Suite

A multi-biometric identification solution including a suite of products to facilitate the work of forensic examiners, system admins, and detectives.

IDEMIA's Multi-Biometric Identification System (MBIS) encompasses a suite of solutions that automate some of the tasks associated with biometric matching, **speeding up processing times, leading to reduced costs, and achieving greater accuracy** than manual examination alone.

MBIS can automatically search **multiple forms of biometric data** including fingerprints, palm prints, latent prints, face, iris, and tattoos, to establish identity, search latent prints (or other biometric data connected to an investigation), and submit searches to external databases.

Why IDEMIA?

With over 60 years of experience in serving the justice and public safety community, IDEMIA demonstrates undisputed innovation and leadership across all biometric modalities. This is highlighted in multiple independent third-party tests, where our biometric algorithms consistently rank among the top performers in accuracy. Additionally, the U.S. National Institute of Standards and Technology (NIST) has singled out IDEMIA algorithms as displaying exceptional lack of bias.

IDEMIA consistently ranks among the very top performers in accuracy in NIST Proprietary Fingerprint Template (PFT) III benchmark in Automated Fingerprint Identification Section (AFIS) class algorithms, which measure performance of one-to-one fingerprint matching.

IDEMIA has also ranked first in the NIST Evaluation of Latent Friction Ridge Technologies (ELFT) and achieved outstanding results in the NIST Facial Recognition Vendor Test (FRVT) and Tattoo Recognition Technology tests (Tatt-C and Tatt-E).

Key Benefits

EFFICIENT

Automation increases the number of cases examiners can work on, allowing for greater throughput.

ACCURATE

IDEMIA algorithms consistently rank among the top entries for fingerprint, face, iris, and tattoo matching in NIST testing, offering consistent accuracy and virtual lack of bias.

INTEROPERABLE, MODULAR & SCALABLE

Integrates with CCH (computerized criminal history) systems, state CJIS, FBI NGI, and edge devices like livescans, cardscans, and mobile IDs.

Can be used to upgrade or complement existing systems.

SUPPORTS MULTIPLE BIOMETRIC MODALITIES

Fingerprints, palm prints, latent prints, face, iris, and tattoos.



SYSTEM COMPONENTS

Modular and interoperable: select the components you need to complete your ABIS.

FRONT END APPLICATIONS

CARD CAPTURE

All-in-one solution for uploading multibiometric cards to your ABIS

LATENT EXPERT

Full-feature solution for latent print examination, including image enhancement and encoding tools for fingerprints, palm prints, phalanges and tips.

REVIEWER

Application for examiners to conduct side-by-side comparisons, record conclusions, and perform quality control and retrieval and maintenance of subject person data.

FACE EXPERT

Enables efficient search of photo and video sources by easily extracting facial and tattoo data from images.

CENTRAL VIEWER

A central location for MBIS administration, management of user groups/privileges, custom and standard reports, decision logic, verification and blinding rules, and other configurations.

BACK END SYSTEMS

Can be used in conjunction with an existing front-end application.

- Face
- Finger
- Palm
- Iris
- Tattoo
- Workflow Services
- Archive Services
- Data Exchange Services

Deployment Options

IDEMIA MBIS is supplied as commercial off-the-shelf (COTS) software that can be deployed either on-premises or in the Cloud, allowing your organization to find the right combination of control, scalability, and flexibility.

Cloud deployments in both AWS GovCloud and Azure Government are supported, allowing for continuous updates, high availability, disaster recovery, and assurance of CJIS Security Compliance, with IDEMIA taking care of management, maintenance, and monitoring of the system.

DATA EXCHANGE SERVICE

Provides interoperability and communications between MBIS and external systems.