



ABIS® System for Law Enforcement Identity Solutions

AFIS Redefined.

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From the biometric industry leaders comes a new paradigm in AFIS. Now you can increase identifications through the use of multiple biometrics -- including two- and four-finger flats, tenprints, palm, face and iris biometrics -- all in a single platform.

The Automated Biometric Identification System or ABIS® System offers top-tier multi-biometric algorithms, flexible and easily modifiable workflows and unencumbered upgrades in a single platform - all the elements you would expect from a modern system architecture that puts you in control. Unlike older, more rigid and costly AFIS systems, you decide when and how workflow changes are made; you decide when and how you want to handle throughput upgrades; and you can choose your own hardware.

TOP-RATED MULTI-BIOMETRIC ALGORITHMS

With a portfolio of multi-modal biometric data capture products and solutions, the ABIS® System lets you choose the functionality that best meets your needs. Now, law enforcement agencies are not limited to fingerprint-only searches. Select from any of our leading algorithms including BioEngine® fingerprint matching, Facelt® face recognition and Daugman 2007 iris recognition, or combine them for resounding results.

EASILY MODIFIABLE WORKFLOWS

You can perform dramatically easier workflow changes and adaptations because of our open-standards approach. For example, by simply changing XML file codes, you control routing transactions with an AFIS at another agency. Vendor involvement is not required for these types of

changes, saving you both time and money. Our standards-based philosophy means lower risk and easier implementation, allowing your IT staff to customize the capture, examination, search and verification processes to fit the needs of your agency.

UNENCUMBERED UPGRADES

Cost-effective implementations allow you to add COTS hardware yourself – as your business needs change, you can add hardware and adapt your workflow to expand system throughput and transaction types. You no longer need to wait and rely on a vendor for hardware installations. Add matchers when you want, with no need to wait for a support call.

Proven Biometric Performance

According to the test results reported in the recent, 2006 Face Recognition Vendor Test (FRVT) and Iris Challenge Evaluation (ICE) conducted by the National Institute of Standards and Technology (NIST), L-1 Identity Solutions was the best all-around performer.

L-1 face recognition algorithms performed best in most of the tests. L-1 iris algorithm submissions were two of the top three performers and demonstrated unprecedented and unparalleled matching speed by completing tests in 6 hours – comparable to 300 hours by other participants' algorithms! In fingerprint SDK testing conducted by NIST, L-1's current fingerprint technology placed among the top tier of competing algorithms.

High Quality Biometric Data Capture Devices

We offer a full range of multi-biometric capture devices. Choose from:

- A complete line of TouchPrint™ live scan devices and multi-biometric capture stations for capturing slap and roll fingerprints, full hand, palm, face and iris biometric data
- Mobile terminals that interface with the ABIS System for on-the-spot identification in the field

light sourcing for 3-D contour imaging

- Intuitive TenprintExaminer for automatic primary and reference pattern typing, search and candidate list display, and side-by-side verifications

Scalable Search Engine Platform

Multi-biometric search engine that provides exceptional accuracy, more robust performance, and lower development costs:

- Scalable architecture built to handle multiple biometrics and very demanding throughputs with built-in fault-tolerance
- Open, standards-based architecture relies on COTS hardware and databases, and has built-in applications for easy integration
- Identity Manager component controls both biometric and non-biometric data such as demographics and encounters with subjects such as arrests

Examination and Verification Tools to Solve More Crimes

Revolutionary tools that extend beyond the traditional AFIS capability:

- Unique FaceExaminer overcomes the challenges of face recognition with poor quality CCTV and surveillance images
- Advanced LatentExaminer processing capabilities including automatic minutiae extraction, pattern classification, zoom and charting, as well as movable



Support Options

- 24/7 Help Desk
- 24/7 and 9/5 Field Service Schedules
- On-site Support Staff

Professional Services

We offer competitive professional services that include:

- Application design, integration and customizations
- Installation and system commissioning
- Training of IT and end-user staff
- Electronic and tenprint card conversion

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