



Law Enforcement



ARGUS
True Identity

The Leading Booking, Identification and Investigative Solution for Law Enforcement

With over a thousand deployed stations worldwide, IWS Law Enforcement by ImageWare Systems is used to digitally capture, store and retrieve images and data for booking, investigative and identification purposes.

IWS Law Enforcement consists of two primary components: a Capture Component and an Investigative Component. The system also includes a central server that can house multiple databases with arrestee images and data. Any number of Capture and Investigative Components can be installed and additional law enforcement agencies can be connected to a central server to share arrestee data and images.

Designed with non-technical users in mind, IWS Law Enforcement is sophisticated, yet easy to use and is configured to meet the specific needs of an agency.

Capture Component.

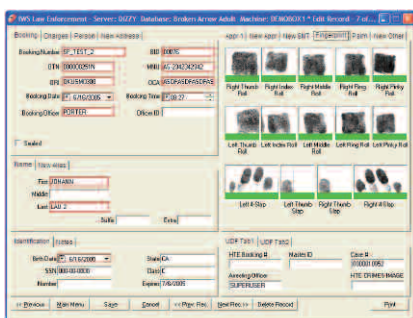
The Capture Component enables booking officers to digitally capture images, in addition to demographic and arrest information.

Images can be captured live, scanned or imported. Users can choose from mug shots, fingerprints, scars, marks and tattoos (SMTs) as well as images of crime scenes, documents and evidence, or any combination thereof. An image correction feature automatically adjusts mug shots to comply with NIST (National Institute for Standards and Technology) standards for grayness and brightness. On-screen guidelines are also included to ensure proper head sizing. Officers are warned when they capture non-compliant images, when images are automatically corrected or if the image must meet NIST standards before saving.

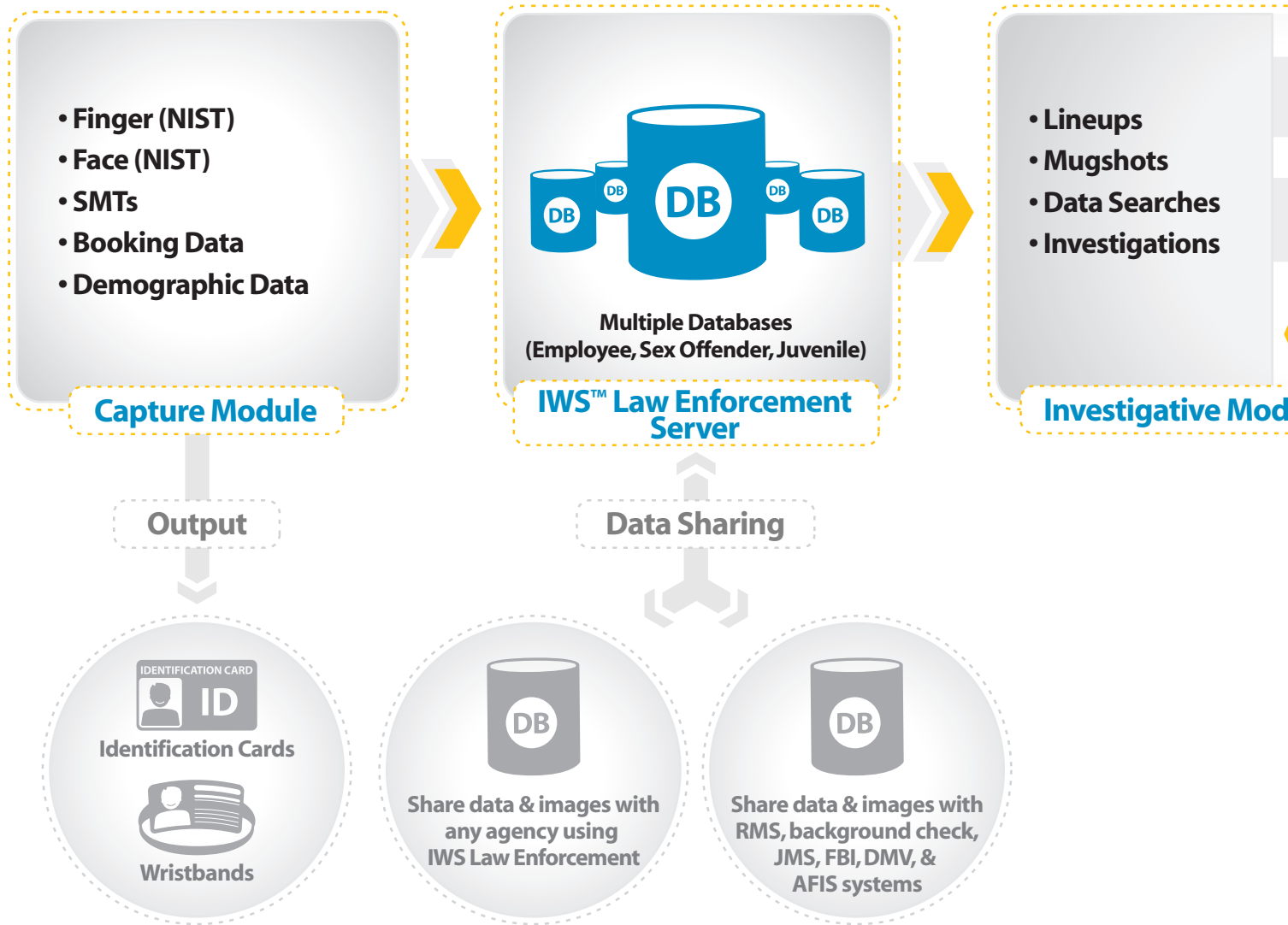
Customizable pick lists, pull-down menus, pop-up help, mandatory data entry fields and intelligent auto-fill features ensure complete data processing. Descriptive data fields are user defined and capable of storing multiple pages of text comments. To avoid redundant data entry, IWS Law Enforcement can be synchronized with records management, AFIS or other systems already in place.

All data and images can be stored in multiple, separate databases that many agencies use to house information on specific groups such as gangs, sex offenders or juveniles. A database can even be created for employees to produce employee photo IDs directly from the system*.

*See the section on photo IDs, wristbands and reports for additional information.



- Capture, store and search booking data and images including mug shots, fingerprints & SMTs
- Web-based investigations
- Share booking data and images with other local, state & federal agencies
- Search mug shots for possible suspects using facial recognition technology
- Print photo IDs and wristbands for inmates, employees & visitors
- Integrate with existing FBI, DMV, RMS, JMS, AFIS or other systems
- Create lineups & mug books
- Access booking data and images on a PC, laptop, handheld device or MDT via the Internet, a secure Intranet or wirelessly



“Digitally capture, store and retrieve images and data for booking, investigative and identification purposes”

Investigative Component.

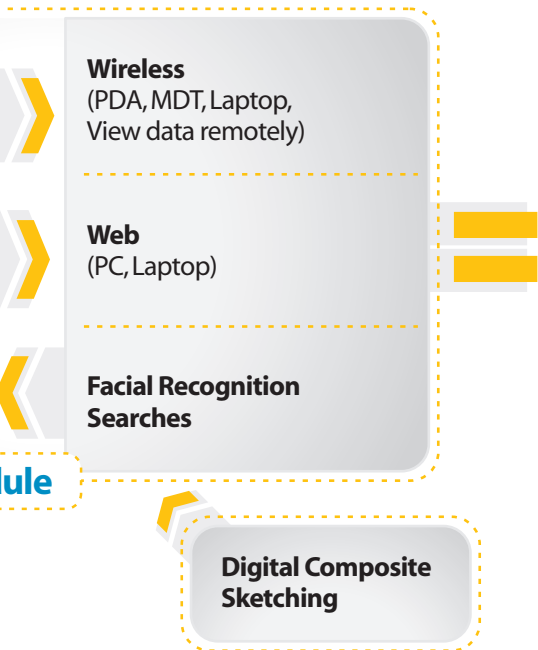
The Investigative Component is used by officers to instantly conduct searches of tens of millions of images, text records and notes stored in the IWS Law Enforcement database. As a result, investigations are significantly expedited.

Photo lineups and mug books can be generated in seconds and displayed on screen, printed or saved. Lineups can be of mug shots as well as scars, marks and tattoos and displayed with six, eight or twelve images per lineup. To avoid having to recreate a lineup from scratch, the system can be set to automatically search for previous lineups that include any given individual. And users can also instantly scan an image directly into a lineup without having to add the image as a new database record.

All images in a lineup are initially displayed in random order. Officers can use a drag and drop feature to easily add or remove individuals from

a lineup. A swap feature can be used to position a suspect in a specific location within a “lineup”. To ensure lineup consistency, images can be sized and repositioned and backgrounds can be normalized with the NIST-compliant 18% gray. Additionally, booking information can be instantly accessed for an individual by simply clicking on his or her image in a lineup.

In addition to creating lineups and mug books, officers can query the IWS Law Enforcement database using a variety of different demographic fields to narrow searches for suspects or look for similarities between suspects, such as tattoos or gang affiliations. Search results can be sorted quickly by clicking on any column in the search result header and the total number of records meeting the search criteria is displayed. Officers can also right click on records in the search results list to view record details, edit records, create lineups and print information.



Suspect Identified.

Wireless
(PDA, MDT, Laptop,
View data remotely)

Web
(PC, Laptop)

Facial Recognition Searches

Digital Composite Sketching

Livescan.

ImageWare® Systems now offers Livescan capabilities with its IWS™ Law Enforcement, providing a complete law enforcement identity management.

IWS Law Enforcement is the leading digital booking, investigative and identification solution on the market today. Its comprehensive, yet easy-to-use features enable users to capture, search, store, and retrieve images and demographic data including mug shots, scars, marks, tattoos (SMTs) and now fingerprints. This data allows users to speed investigations and identify criminal suspects through text and biometric-based searches. Additional features enable users to create digital composite sketches, photo lineups and produce identification cards and wristbands for inmates, employees and visitors.

FBI Certified

IWS Law Enforcement with Livescan is FBI certified which complies with the FBI Integrated Automated Fingerprint Identification System (IAFIS) Image Quality Specifications (IQS) while utilizing the latest FBI certified Livescan device available from most major vendors. The fingerprint capturing process employs industry standard features including sequence checking and quality control, providing image consistency throughout the entire process.

The system can be configured to identify a missing fingerprint according to local regulations if the user is unable to capture a fingerprint image due to missing or scarred fingers. The Livescan capabilities enable users to capture ten-print fingerprints as well as palm data, providing integrated biometric management for civil and law enforcement use.

Server-based

IWS Law Enforcement's unique server-based platform allows complete Livescan records, tables and pick list data to be stored, retrieved and edited from one central location. Once data is collected, multiple copies are packaged in compliance with NIST standards and forwarded to the State AFIS, Local AFIS or other agencies as required. These records can be manually or automatically transmitted from the server simultaneously to various destinations via industry standard transport methods including SMTP, FTP, NTFS and more.

Printing

IWS Law Enforcement with Livescan, is fully configurable to print many types of agency required cards including the FBI Criminal, FBI Applicant, State Criminal, State Palm Print, Child Print and Personal Identification. In addition, IWS Law Enforcement includes a built-in report designer offering the ability to create custom cards, reports and forms. All cards are printed through FBI certified printers.

Security and Auditing

As with all ImageWare offerings, the Livescan operations can be fully audited and security is centrally controlled on the server allowing only authorized individuals to access records and reporting functions.

Photo IDs, Wristbands & Reports.

IWS Law Enforcement comes with a photo ID and reporting feature that enables agencies to design and produce custom reports as well as employee photo IDs, visitor badges and inmate wristbands, complete with photos, bar codes and more. Officers may create an unlimited number of full-color, dual-sided report and card designs, including visitor badges with access control features such as encoded magnetic stripes and smartchips to limit facility and inmate access.

Administrative Features.

IWS Law Enforcement comes with extensive administrator functionality. Most data entry fields are administrator defined, can be set up as tables and designated as mandatory or desirable. Powerful audit capabilities and password controls ensure system security in addition to the ability to assign sub-administrators for multi-jurisdictional installations. Administrators may also configure which specific features and functions each type of user may access.

Administrators can also create messages and send them to users and/or specific workstations and the IWS Law Enforcement system can be personalized by adding an organization's logo or icon to the main screen.

Facial Recognition Add-on

Facial recognition technology is a key component to the suspect identification process, particularly when dealing with an unknown individual or a suspect with multiple aliases. Officers use this add-on to search the IWS Law Enforcement database for matches to a digital mug shot, scanned photograph, suspect composite* or video surveillance image based on distinctive facial characteristics. All potential matches to the image are displayed quickly, in order of confidence. Facial recognition searches can also be conducted from the Internet or a secure Intranet.

*See the IWS Suspect ID section for details on ImageWare's digital suspect composite software.



Why Add Livescan to Your IWS Law Enforcement Solution?

- Improve the speed and accuracy of the fingerprint identification process.
- Eliminate the need to create and mail paper fingerprint cards for processing.
- Complete background checks and create employee ID cards with single solution.
- Capture fingerprints, palm prints and mug shots from one booking station.
- Eliminate the need to train, support and maintain separate mug shot and Livescan booking systems.
- Limit the need for archiving on single stations as complete records are stored on the central server.
- Save time updating pick-list data on multiple finger-print stations when it can just be done once on the server.
- Make the booking process faster, more efficient and cost-effective.

Mobile Add-on

Officers can leverage the Mobile Add-on to access and view selected mug shots and booking data from their IWS Law Enforcement systems on an MDT (mobile data terminal) or handheld device via a wireless connection. Searchable fields include name, booking number, master key, aliases, birth date, social security number, address, charges, height, weight, sex, race, hair color and eye color. The information viewed is user-defined and can be customized to meet the specific needs of an agency.

The Mobile Add-on also enables officers to download a subset of booking data and mug shots from their IWS Law Enforcement systems and store it in a PDA so it may be accessed and viewed at any time, anywhere. This add-on is most useful for field officers who need to identify specialized groups of individuals such as gang members, sex offenders or narcotics dealers when they are on patrol.

Data Sharing & System Integration.

ImageWare has developed and deployed a number of standard data exchange interfaces, so data can flow to and from the IWS Law Enforcement database and other legacy systems.

Custom services include image and data conversion, interconnects to existing databases, and sever-to-server interconnects between

your IWS Law Enforcement system and the IWS Law Enforcement systems of fellow law enforcement agencies with whom you wish to share data.

Training & Technical Support.

ImageWare's project management team conducts on-site surveys prior to installing IWS Law Enforcement and works closely with your technical staff to manage the installation process. Hands-on user and system administrator training is available, as are manuals and digital documentation. Once installed, telephone support and remote diagnostics are available 24 hours a day to quickly resolve any issues and ensure system uptime.

IWS™ Suspect ID.

IWS Suspect ID is a digital composite sketching software program for law enforcement. IWS Suspect ID allows an officer to conduct an online cognitive interview with a witness to create a baseline sketch. This process is used to maximize witness recall, is the method most widely accepted by the court system and is taught in the FBI's school of forensics.

The IWS Suspect ID database comes with a broad spectrum of full color facial features and accessories, each of which can be independently sized, trimmed and rotated to create over 2 million facial combinations.

Sheriff's offices, correction facilities and police departments across Arizona use IWS Law Enforcement booking and biometric features to conduct facial recognition searches on mug shots and civil driver license images. IWS Law Enforcement also enables the State to share this data between agencies including the FBI, INS and U.S. Customs.

IWS Law Enforcement enables the

Los Angeles Sheriff's Department (LASD) to access their digitally captured photos for investigative purposes via the Internet and wirelessly. To enhance the investigative process, LASD also leverages IWS' biometric technology to search the mug shot database for potential suspects based upon distinct facial characteristics. Through an IWS-enabled interface, the LASD automatically populates the CalPhoto database with their booking images and data.

The Las Vegas Metro Police Department

(LVMPD) uses IWS Law Enforcement to digitally capture mug shots and booking information. This data is then shared with all police precincts and detention facilities in the city of Las Vegas and in Clark County and is used to conduct Web-based investigative searches that drastically speed the criminal suspect identification process. Facial recognition searches are conducted on the mug shot database to further speed the suspect identification process and narrow the field of suspects.

The digital photo ID work cards required for all Las Vegas casino employees are produced and managed from LVMPD's IWS solution as well. All work card applicants are checked for past criminal records directly from IWS Law Enforcement, reducing the time it takes to conduct background checks. This same identification component is used by the LVMPD to issue all employee photo IDs.

The New South Wales Police in Australia

(NSW) uses IWS Law Enforcement to create photo lineups and mug books, as well as conduct facial recognition searches on mug shots stored in their IWS Law Enforcement system-all via a secure police WAN / Intranet. The NSW Police also leverages the Lineup Replay add-on feature to record, store and easily retrieve all witness lineup viewing sessions to further enhance their investigative procedures.

