

Mobile Biometric Identification

For Law Enforcement and Enterprise Security Officials





On routine gang enforcement operations, officers spot four male subjects engaged in possible drug sales. Working with authority provided by anti-gang legislation, the officers quickly detain three of the four suspects. With reasonable suspicion assessed, the officers use the Motorola Mobile Biometric Identity Management solution to determine if any of the individuals detained have previous arrest records. Within seconds of capturing the first individual's fingerprints, a "hit" response is received on the mobile handheld computer. The handheld computer displays the mug shot of the individual, along with name, demographics, criminal history and an outstanding arrest warrant. With the help of Motorola's advanced technology, a wanted suspect is quickly identified and taken off the street.

Mobile Identification: Capture, Analyze, and Match

At the core of Motorola's Mobile Identification solution, is the handheld biometric tool that can capture fingerprint and facial images, analyze the data, and match this information against databases stored locally, in centralized biometric matching systems, or on smart cards. Results of a search are received back on the handheld unit; and if there is a match, provide detailed information that includes mugshot, name, demographics, criminal history, and any outstanding warrants. Common Mobile Identification applications include:

- Patrolling officers or security guards who need to perform a quick verification of an individual against an ID card or database.
- Authorities investigating individuals during anti-criminal activities such as gang or drug enforcement.
- Police who are required to include fingerprints as part of the citation process.
- Bailiffs required to confirm the identity of individuals at a court appearance.
- First-on-scene officers who need to identify unconscious victims

Mobile Identification on Patrol

(1:Many search against a remote or local database)

Out on patrol, officers use the Motorola Mobile Identification solution to immediately identify individuals and connect them to their records. Patrol units use it during gang enforcement operations, traffic ticketing, cite and release procedures, narcotic investigations, missing person inquiries, and many other security activities. The solution enables agencies to capture facial images (MC75 only) and fingerprints, and to transmit fingerprint minutiae templates or images to a remote biometric matching system for identification against databases. Utilizing the handheld computer's wireless capabilities, the information can be transmitted across most common wireless protocols. Local databases can also be copied to the handheld computer, ensuring access to important data even if a wireless network is not available.

Biometric application responses can include facial image, biographic data, criminal history, and wants and warrants information. Additionally, responses can be color coded to provide officers with immediate threat levels or security risks associated with the person in question.



Mobile Identification in Event Security

(1:Many searches against criminal databases and 1:1 biometric verification against ID badges)

During large gatherings such as music festivals, political rallies or sporting events, event security personnel and officers are often tasked with managing unruly attendees or safeguarding secure areas. With Motorola's Mobile Identification solution, security personnel can verify the authenticity of an ID badge and confirm an individual's access privileges. Wireless connectivity allows privileges to be updated and verified in real time.

Mobile Identification in Enterprise Security Operations

(1:1 biometric verification against an RFID enabled employee ID badge)

Large company or enterprise security personnel have the responsibility of protecting their company's most sensitive information and securing areas such as a R&D lab, warehouse, central IT infrastructure (IDF) rooms, or hazardous materials storage. Motorola's Mobile Identification solution allows security officials to verify the identity and access privileges of employees who are issued RFID-enabled cards/badges. Security officers on patrol, who encounter suspicious persons, can use the handheld device to scan the RFID badge, capture a fingerprint and perform a verification of that person against the ID badge. Access privileges can be viewed to confirm the individual's granted permissions to be within or enter a secure area. If connected wirelessly to remote servers, security personnel can, in real time, pull information about employment or privilege status.

The Solution Details

The Motorola Mobile Identification solution runs on industry leading hardware. Intuitive and easy to use, mobile identification enables government and company personnel to easily capture biometric and biographic information with minimal training. When using the MC75 handheld computer, pictures of scars, tattoos and facial images can also be captured and stored in the database, for future searches. Mobile biometric identification applications can be configured to submit standards compliant templates (ANSI INCITS 378 or ISO SC37) or images (ANSI INCITS 381 or ISO SC37), enabling search on a variety of systems. Biographic information can be auto-populated through the 1D or 2D barcode scanner, contact card reader, or contactless reader.

The Motorola Mobile Identification solution runs on the MC70 and MC75 series of handheld computers when coupled with our biometric attachment.

The MC70 and MC75 are rugged handheld mobile devices that put the power of a cell phone, PDA, computer, barcode scanner and imager in the hands of your mobile personnel. Designed to withstand all-day everyday use in nearly any environment, this rugged compact device delivers nearly anywhere anytime wireless voice and data communications, including superior voice functionality, data capture and the power to run the applications you need.



Key features of the MC70

- Windows Mobile® Premium or Phone Edition
- GSM/EDGE, CDMA EVDO Rev.0, GPS, WLAN 802.11 a|b|g, Bluetooth® v1.2 communication options
- Integrated data capture options – 1D or 2D scanning
- Color 3.5" QVGA (240 x 320) touchscreen

Key Features of the MC75

- Windows Mobile® 6.X
- 3G HSDPA or CDMA-EVDO Rev A, GPS, WLAN 802.11 a|b|g, Bluetooth® v2.0 communication options
- 2MP color auto focus camera
- Integrated data capture options – 1D or 2D scanning
- Color 3.5" full VGA touchscreen

The Biometric Attachment provides rugged, IP54 rated functionality equivalent to all environment specs of the host handheld computer. GSA certified fingerprint capture supplies highest quality images within a variety of lighting conditions.

ISO 7816 compliant contact card reader provides read/write capabilities with all ISO 14443 compliant cards. LED light indicators provide users with a clear queue to card-reading status. Contactless card readers provide data access on RFID enabled identification cards or badges.

The foundation of the Mobile Identification solution is our top selling MC7X series of handheld computers.



Mobile Identification Workflows

