

Case Study: Beijing Yingcin Technology Integrates Fingerprint Identification System for Chinese Police with M2SYS ABIS™

Problem Statement

Beijing Yingcin Technology Ltd. was looking for a ready to use and internationally standardized solution that can accurately capture ten-print roll and flat print high quality images to allow forensic fingerprint examiners the ability to cross check inmate identities for possible matches within the database.

Client Profile

Beijing Yingcin Technology Ltd. was established in March 2004 to power products, technology development, production, and sales of high-tech enterprises. Since 2008 the company's main product will turn green and trade-based technology trade enterprises to meet the constant demand of environmental protection.



Challenges

Beijing Yingcin Technology Ltd chose the M2SYS ABIS™ software for their China police fingerprint identification system pilot program in 2013 for specific reasons. Chinese police needed to deploy an internationally standardized system, also available as a ready-to-use biometric solution and ensure compliance with international standards such as ISO, ANSI, NIST, FBI. In addition, another major challenge was to capture high quality fingerprint images of tenprint roll and flat print with superb resolution that would allow Chinese police forensic departments to cross check inmate identities for possible matches within the database.

Solution

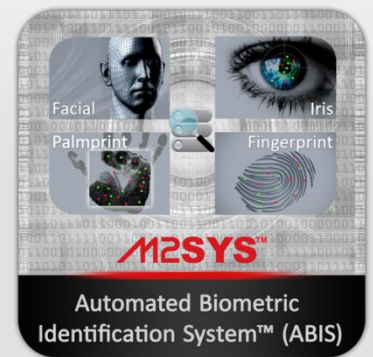
Beijing Yingcin Technology Ltd. selected M2SYS ABIS™ as an automated biometric identification system to deploy a fingerprint identification system for their Chinese police pilot project to capture high quality ten-print/two print roll and flat fingerprint images that would allow forensic fingerprint examiners to cross check inmate identities for possible matches within the database. In this pilot project Chinese police deployed a pre-installed M2SYS ABIS™ solution with M2- TenPrint™ and M2-Face Cam hardware devices. They deployed this solution in 10 different locations. The database size was for capturing and matching approximately 1.5 million fingerprints.



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M2SYS ABIS™ is a multimodal automated biometric identification system available as a ready-to-use biometric solution with server hardware or as biometric software that will run on a regular PC. It provides ISO and ANSI fingerprint template standards and full NIST and FBI IAFIS search compatibility.



Benefits

By utilizing M2SYS ABIS™ from M2SYS Technology, Beijing Yingcin Technology Ltd has been able to deploy a sophisticated international standard fingerprint identification system within a Chinese police system with the capability of capturing ten-print roll and flat fingerprint high quality images with superb resolution and outstanding quality to allow forensic fingerprint examiners the ability to cross check inmate identities for possible matches within the database. Here are some major benefits that the Chinese police received in this pilot program:

- ❑ Tenprint vs. Tenprint search with searching of both rolled and flat records for finger latent search
- ❑ NIST interface for LiveScan workstations and multi-lingual capabilities
- ❑ Extensive database inquiries and automatic image processing that includes minutiae extraction, quality check, and sequence check
- ❑ High functional flexibility and adaptability of the system to the requirements of end users, including country-specific standards

About M2SYS

M2SYS works closely with its clients, enabling them to capitalize on the benefits of using biometric identity management for security and accelerating their return on investment (ROI). This case study on deploying the M2SYS ABIS™ solution - a multimodal automated biometric identification system - for Chinese police in a pilot project to capture high quality ten-print/two print roll and flat fingerprint images to allow forensic fingerprint examiners to cross check inmate identities for possible matches within the database demonstrates how this solution can be easily deployed by law enforcement agencies ensuring high performance and adherence to international standards.



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