

SOLUTIONS



Rapid fingerprint, iris and facial image capture for ABIS enrollment and EBTS file matching

- First and only Mobile ID platform certified to Subject Acquisition Profile (SAP) 45 by the FBI.
- Compliant to EBTS and EFTS standards
- Captures standards-based fingerprint images, iris scans and facial images
- Enrolls biometric data into AFIS databases, including the ABIS system
- Checks fingerprints and iris scans against watchlists and remote databases
- Fully operational in bright sunlight
- Provides an easy-to-use, portable option for field unit organizations

SEEK[®] II

Secure Electronic Enrollment Kit and Multimodal Identification Platform

SEEK II (Secure Electronic Enrollment Kit) is the culmination of bringing core Cross Match technologies together. Combining forensic-quality fingerprint capture, rapid dual iris scan capability and innovative facial capture technology, SEEK II is a comprehensive, multimodal identification and enrollment platform. The compact, portable solution is designed for rugged field use, making it quick and easy for military, border control and U.S. government agencies to identify subjects and verify their identities in the field.

The platform automatically captures and formats standards-based flat and rolled fingerprints, iris and facial images, which conform to the Electronic Biometric Transmission Specification (EBTS). This Department of Defense (DoD) specification describes customizations of FBI Electronic Fingerprint Transmission Specification (EFTS) transactions, which are necessary to utilize AFIS databases, including the DoD Automated Biometric Identification System (ABIS). Using SEEK II, organizations are empowered to create fingerprint, iris and facial-based biometric records for enrollment into the military ABIS system.

A versatile system, SEEK II leverages a 120,000-person watchlist, which can easily be updated to match the current “known and suspected terrorists” (KST) list, for biometric data comparison. This capability is extremely valuable to field personnel in remote locations for performing on-the-spot ID checks. The built-in wireless networking capability allows field personnel to access remote databases, such as ABIS, for thorough identification checks. Additionally, SEEK II can be configured to capture and hold latent images in a database for remote matching.

SEEK II is easy to use, sharing Mission Oriented Biometric System (MOBS) software with Cross Match Jump Kits. MOBS automates the capture of fingerprint, iris and facial images in hostile environments where biometric processing speed is required for operator safety. Additionally, SEEK II is one of the few multimodal workstations that is fully operational in bright sunlight, making it convenient to use in harsh, desert climates.

General Specifications

- System components: Scanner unit with two-finger optical fingerprint platen, dual iris scan and facial image capture capabilities
- Interfaces: 2 USB 2.0 host connections and 1 Ethernet port
- Operating system: Microsoft Windows XP SP3
- Memory: 2 GB DRAM
- Hard Drive: 64 GB removable solid state drive
- Wireless: Supports 802.11 b/g, Bluetooth and includes embedded GPS technology
- Supports 3G communications
- Optional passport MRZ and smartcard readers
- Dual hot-swappable batteries, 2.4 Ahr, Li Ion, with Smart Battery technology
- Resistive touchscreen display (800 x 480 resolution, transmissive technology, daylight readable display)
- QWERTY keyboard with tactile keys and backlighting
- Touch pad cursor navigation with right and left mouse buttons
- Directional noise cancelling microphone for voice sample capture
- Supports on-board watchlist of up to 120,000 enrollment records plus latent records
- Designed to meet RoHS, Mil-STD-810 and IP 65 standards

Features

Fingerprint Capture

- Large high-quality optical sensor 1.6" x 1.5" (40.6 x 38.1 mm) at 500 ppi resolution
- First and only Mobile ID platform certified to Subject Acquisition Profile (SAP) 45 by the FBI. SAP 45 is for Severe Risk: Enrollment and Identification in battle field operations, verification against previously captured data
- Forensic-quality rolled fingerprints adhere to the FBI Image Quality Specification (IQS) as defined in Appendix F of the EFTS
- Optimized for use in bright sunlight
- Available with Cross Match patented silicone membrane for exceptional image quality from difficult-to-capture (e.g. dry or worn out) fingerprints

Iris Scan

- Iris matching speed in excess of 500,000 matches per second
- Dual iris capture capability
- 1.3 megapixel IR sensors
- Fully operational in bright sunlight

Facial Image Capture

- Biometric image capture with immediate feedback on image quality
- 1.3 megapixel full color camera
- Supports flash image capture in dark lighting conditions

Applications

- SEEK II is designed for use in harsh environments where field operations require rapid, accurate biometric data capture and search against known watchlists
- SEEK II is available to integrators for custom software development, including a full set of SDKs, drivers, and sample code for all peripheral functions
- SEEK II is available with several software options, including MOBS enrollment application, FAST middleware, and IDTrak matching applications
- SEEK II is also available with optional Latent Image capture

SEEK II Physical Specifications

- Display: 4.1 inch
- Unit size: 8.75" x 5.5" x 3.5" (22.2 cm x 14 cm x 8.9 cm)
- Unit weight: 3.6 lbs (1.7 kg)



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