CROSSMATCH® TECHNOLOGIES

SOLUTIONS

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

The SEEK multimodal identification and enrollment platform:

- 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 watch lists and remote databases
- Fully operational in bright sunlight
- Provides an easy-to-use, man-portable option for field unit organizations

SEEK®

Secure Electronic Enrollment Kit and Multimodal Identification Platform

SEEK (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 recognition technology, SEEK is a comprehensive, multimodal identification and enrollment platform. The compact, man-portable solution is designed for rugged field use, making it quick and easy for law enforcement, border control, first responders 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, organizations are empowered to create fingerprint- , iris- and facial-based biometric records for enrollment into the military ABIS system.

A versatile system, SEEK leverages a 40,000-person watch list, 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. Additionally, the built-in wireless networking capability allows field personnel to access remote databases, such as ABIS, for thorough identification checks.

SEEK is easy to use—sharing Mission Oriented Biometric System (MOBS) software with Cross Match Guardian® R 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 is one of the few multimodal workstations that is fully operational in bright sunlight, making it convenient to use in harsh, desert climates.

SEEK®

SEEK

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: 16 GB flash
- Wireless: Supports 802.11 b/g, Bluetooth and includes embedded GPS technology
- Dual hot-swappable batteries
- Resistive touchscreen display (800 x 480 resolution, transmissive technology, daylight readable display)
- Supports on board watch list of up to 40,000 entries
- Complies with RoHS, Mil-STD-810 and IP 65 standards

Fingerprint Capture

- High-quality image resolution
- Certified for type 4 (Rolls) and collects 14 (Flats)
- Forensic-quality rolled fingerprints adhere to the FBI Image Quality Specification (IQS) as defined in Appendix F of the EFTS

- Generous optical sensor for two-finger optical fingerprint capture: 1.6″ x 1.5″ (40.64 mm x 38.10 mm)
- Optimized for use in bright sunlight
- Available with Cross Match patented silicone membrane technology for exceptional image quality from difficult-to-capture fingerprints

Iris Scan

- Dual iris capture capability
- Sensor type: 1.3 megapixel IR
- Fully operational in bright sunlight

Facial Image Capture

- Biometric image capture with immediate feedback on image quality

- High resolution camera: 1.3 Mpix color cmos
- Supports flash image capture in dark lighting conditions

Applications

- SEEK is designed for use in harsh environments where field operations require rapid, accurate biometric data capture and search against known watch lists.

SEEK Physical Specifications

- Display: 4.1 in UVGA
- Keypad: Intuitive touch screen – 4.3″ x 4.3″ (10.92 cm x 10.92 cm)
- Power: Dual 2.4 Ahr, Li Ion batteries
- System size: 8.5″ x 5.25″ x 3″ (21.59 cm x 13.36 cm x 7.62 cm)
- System weight: 3.3 lbs (1.49 kg)

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Protecting People, Property and Privacy

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