



GIERS from Corvus is a comprehensive solution for enrolling citizens, travelers, voters, and others with multi-modal biometric capture and full compliance for international interoperability and ePassports.

Powering GIERS is Raven, Corvus' Identity Management Capture Software, which provides full-function ID and export capability through an intuitive, user-friendly interface that supports multiple biometric modalities.

## Applications

### Passports and Visas

- Full compliance with all ICAO specifications
- Enhances border security by verifying traveler identification and supporting watch list searches
- National ID programs
- Provides a unique, verifiable, and secure identification enrollment for each citizen
- Reduces identity fraud

### Voter Registration Programs

- Expedites voter identity verification
- Eliminates voter fraud

### Law Enforcement

- Provides a secure, verifiable driver license verification using biometrics
- Provides AFIS platform with photos for police reference
- Enables efficient inmate tracking using biometrics
- Verifies the identity and authorization of a citizen to purchase and possess firearms

## Features

- Easy to use graphical interface
- Modular software components that are easily configured to meet a wide variety of client requirements
- Biometric enrollment of face, fingerprint, iris, and signature images from live or imported images
- Biometric matching of face, fingerprint, and iris
- Biographic enrollment of all required citizen information
- Scanning of supporting identification documents and barcodes
- Automated enrollment of barcode and smart card information as well as optional GPS location of enrollment
- Supports importing and exporting of standards-compliant EFT, EBTS, and XML files
- Supports Windows XP, Vista, and Windows 7 platforms
- Stand-alone or network configurations

### Standards Compliance

- ICAO 9303 MRTD Parts 1, 2, and 3
- ISO/IEC 19794-4 Fingerprint
- ISO/IEC 19794-5 Face
- ISO/IEC 19794-6 Iris, ISO 8601:2004
- NCIC
- EFTS 7.1/EBTS 1.2
- ANSI/NIST
- ITL 1-2000, ITL 1-2007, ITL 2-2008
- WSQ

### Raven Software Platform

- Raven ID Management Capture Software with face and fingerprint licenses
- A choice of single and combination modalities: Fingerprint, iris, facial
- Full biographic data capture that meets international standards for interoperability

### Case

- Ruggedized Pelican case with electrical outlet built-in
- Lightweight, high impact
- Water, dust, and crush proof
- Case dimensions: 22" x 17" x 10"

### Laptop (Netbook)

- Intel Atom 1.6 GHz processor
- 2 GB RAM
- 40 GB hard drive
- Windows XP, Vista, Windows 7
- 2 USB 2.0 with powered USB hub 8-port
- Ethernet and wireless network connectivity

### Backlit Signature Pad

- Forensic quality signature data capture
- 350+ points per second
- 410 true points per inch

### Integrated Face and Iris Camera

- High resolution (3 MP) CMOS sensor for face integrated flash
- CMOS sensor with VGA resolution for iris capture
- Multi-wavelength near-IR illumination for iris imaging
- Intelligent distance sensing
- Tricolor RGB LED indicators

\*For optional station components, the Raven software is plug-in compatible to increase capability.

\*Total weight: 38 lb

### Fingerprint Scanner

- Compact and light-weight
- Auto-capture with image capture and quality feedback
- FBI Certified for Type 14 civilian flats and Type 4 criminal ten-print rolls
- Meets NIST EFTS 7.1 and EBTS 1.2 standards
- 500 DPI optical livescan
- 4800x4800 DPI flatbed scanner
- 48-bit color / 16-bit grayscale

### Flatbed Document Scanner

- Printer 2400 DPI color

### 2D Barcode Reader

- CCD scanner 2000+ pixels
- 660 nm LED
- 50 scans/sec
- TTL output

### Smart Card Reader/Writer

- Supports ISO 7816 / ISO 14443 A and B

### Accessories

- Cables
- Power supplies
- Backup battery
- Tripod