



## iA-thenticate® SmartChip

iA-thenticate with SmartChip Technology is a new solution designed to automatically read and authenticate e-passport documents with contact-less smart chips, as well as passports, drivers' licenses and ID cards that people use as proof of identity.

Smart chip enabled for ICAO e-passports and US VISIT requirements.

Modular design, with the ability to implement additional security layers as needed.

Reliably authenticates identity documents to assist in ensuring that the individuals are who they say they are.

Automated authentication speeds document processing and decreases errors due to human limitations such as fatigue, collusion, and extortion.

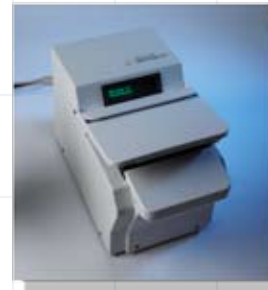
The system's simplicity and degree of automation means minimal training is required.

Captures a full range of color document images using visible and other light sources, providing a visual record of both human-readable and machine readable information.

# Automated Document Authentication Solution for ePassport and eVisas

Assuring Traveler Identity at National Borders

iA-thenticate SmartChip is an automatic document authentication platform, based on the layered approach to security applications. The new e-passport smart chip reader is built into the front and top of the iA-thenticate unit.



### iA-thenticate SmartChip Features

iA-thenticate solution is designed to perform multiple security checks

When the user places a passport onto the unit, the MRZ page of the passport/visa is imaged, read, and authenticated while the smart chip of the passport is read and authenticated. iA-thenticate supports reading smart chips that are embedded in either the front or the back of the passport. All of this happens in one simple easy step when the user inserts the document.

Viisage's robust, enhanced read techniques make it possible to read even the most difficult e-Passport documents.

Our e-Passport technology supports:

- Basic Access Control
- Passive Authentication
- Active Authentication

- Verifies smart chip data in e-passports and the MRZ (machine-readable zone) checksum, expiration date check, confirms presence of B900 ink
- Captures, analyzes, and authenticates information contained in travel and identity documents with color images (Visible, IR, UV, Seal, Tamper) and higher resolution than our popular grayscale system used world wide
- Populates user applications with information contained in the identity document
- Tests information for formatting consistency to confirm authenticity
- Cross-checks information contained in SmartChips against document.

GRN	6-4	205	M	D	12	08-26-06
EYES	HEIGHT	WEIGHT	HAIR	CLASS	ISSUED	EXPIRES

**02-16-1972**  
BIRTH DATE

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## Compliance with ICAO Standard

ICAO standards, for new e-passport books specify the inclusion of a contact-less RFID smart chip based on the ISO 14443 type A and B standard. This chip contains a compressed full-face image and biographical data. Both the image and the passport information stored on the contact-less chip is digitally signed to ensure the integrity of the data and the passport. Smart chips provide the data storage capacity and security to meet these emerging requirements.

iA-thenticate with SmartChip Technology operates with Viisage's advanced Secure-It authentication engine and software suite. The new smart chip tests are incorporated into ID-Examiner. ID-Examiner is an easy-to-use application interface for reviewing and resolving document review events. Its intuitive wizard-like interface is suitable for use by frontline operators and back-room examiners.



The data set embedded in the smart chip is displayed via ID-Examiner. Data is read, checksum-ed, verified, and displayed. The embedded photograph or fingerprint is also displayed and can then be processed via Viisage's Face Recognition technology. Smart chip data is then cross checked against the MRZ data from the passport page. Any mismatches between document number, name, gender, birth data and expiration data are flagged as review conditions.

## iA-thenticate® SmartChip Specifications

Minimum Host PC Requirements	Pentium® IV (2.8 GHz) Windows® XP or Windows® 2000 512 MB of available memory 40 GB of available disk USB 2.0
Size and Weight	8.55" (22 cm) Height 8.0" (20 cm) Width 14" (35 cm) Depth 10.04 lbs (4.55 kg) Weight Power Supply 100 – 240 VAC 47 – 63 Hz 60 W
Compliance	FCC Part 15, Class A SITA ARINC CSA/NRTL

## iA-thenticate SmartChip Easily Integrates with Existing End-user Applications

There are many options for integrating complementary third-party software components into an iA-thenticate solution. The simple USB 2.0 interface connects the product to your PC. Software can interact directly with iA-thenticate applications and interfaces. iA-Dataport is a standard component of iA-thenticate and provides configurable device emulation, allowing the iA-thenticate to transmit data to your legacy systems that are already in place.

The iA-thenticate software suite is also available with these additional technology options:

- iA-Passport® - ICAO documents, Passports, and Visa document profile database
- iA-License - US and Canadian Driver's License document profile database
- Textwatch® - Text based watch list interface
- DL-Alert® - Magnetic stripe or barcode reading and data verification
- Viisage PROOF™ - Consolidates intelligence to substantiate a "claimed identity" between multiple documents, biometrics, and 3rd party sources
- Face recognition, iris, and fingerprint matching integration

*For more information, please contact our team at [info@viisage.com](mailto:info@viisage.com).*



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