# Keesing ID AuthentiScan™

## The solution for automated ID document authentication

**KEESING**
AuthentiScan™

Automated authentication of ID documents

# Content

# Keesing AuthentiScan™

Keesing Technologies has developed world leading ID verification solutions since 1923. Our most popular solution is Keesing AuthentiScan™, a fully automated system that allows untrained operators to verify the authenticity of ID documents in seconds.

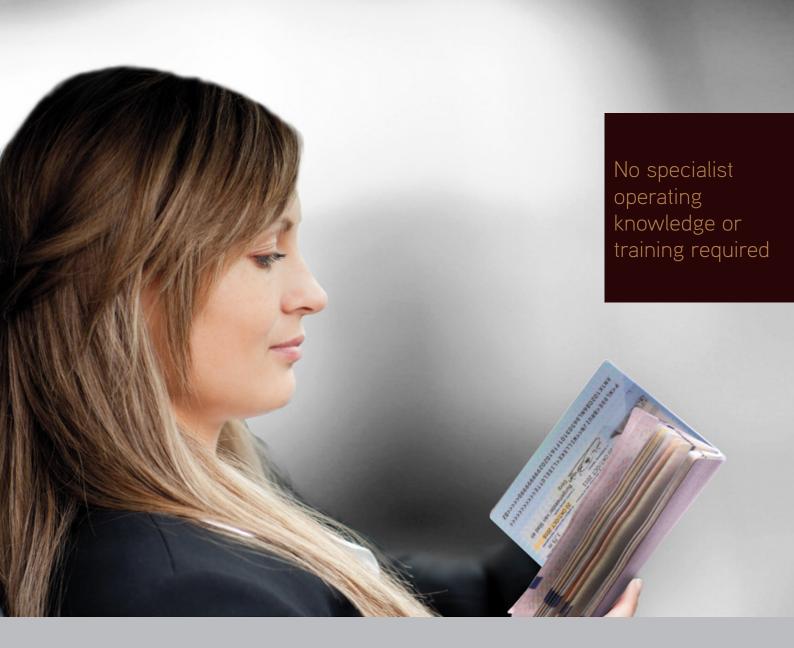Our automated solution is primarily used in/for:

– Client Acceptance processes (KYC)
– Anti-Money Laundering (AML) procedures
– The screening of staff, customers, visitors, patients, citizens
– Risk management programmes
– Access Control systems
– Fraud prevention strategies

**We offer five versions of Keesing AuthentiScan™:**

• AuthentiScan™ PREMIUM
• AuthentiScan™ STANDARD
• AuthentiScan™ PORTABLE
• AuthentiScan™ LITE
• AuthentiScan™ APP

### Additional tools and integration options

AuthentiScan™ offers additional tools and various options to integrate the system within your own IT environment. For example, we offer sanction lists and PEP screening tools. Please contact your Sales Consultant at Keesing for further information on these and other tools, or to find out more about the integration options.

## Features & benefits

- For the professional authentication of passports, ID cards, residence permits, visas and driving licenses
- Can be used to authenticate original ID documents as well as copies* thereof (*LITE and APP version only)
- Automatic retrieval, storage and export of data stored in the ID document and RFID chip
- Access to Keesing Documentchecker Database™; the most comprehensive ID document reference database in the world
- Inspection of security features, including watermarks, holograms and UV features
- Detailed audit report (creating an efficient audit trail)
- Intuitive and well-designed interface with user-friendly controls
- Used in combination with passport reader or scans (jpeg/pdf/tiffw) of (copies of) ID documents
- Access to Keesing Expert Helpdesk
- Professional check by Keesing Expert Helpdesk (optional)
- Internal helpdesk support (optional)
- Requires no specialist knowledge or training
- Suitable for online (Internet Explorer 8›) and offline use
- Available as LITE, PREMIUM, APP and PORTABLE version
- Avoids financial losses due to fraud
- Allows you to comply with financial, anti-terrorist and labour legislation

# Keesing AuthentiScan™ STANDARD

AuthentiScan™ STANDARD is an automated and highly reliable solution for authenticating ID documents. The standard version allows you to scan, inspect and store (optional) nearly all national and international ID documents currently in circulation.

What's more, AuthentiScan™ is easy to use. While the system does not require specific knowledge or expertise, it turns every operator into a document authentication expert. It will generate a result in seconds, allowing you to determine whether a document is genuine or counterfeit.

Checking ID documents using AuthentiScan™ is easy - simply place the document on the passport reader (or scanner) and the system automatically performs the following checks:

## Automated checks

- MRZ (Machine Readable Zone) check
- Document expiry date (and validity)
- UV (ultraviolet) optical dullness response (ICAO requirement)
- B900 ink (ICAO requirement)
- Comparison of RFID picture with VIZ photo (Visual Inspection Zone)
- Comparison of RFID data with MRZ data

## Additional checks

- Profiling check, including a photo comparison, age check, and signature check
- Inspection and verification of security features; e.g. white light, UV, IR, photo attachement, imageperf, hologram, watermark and relief
- Cross check against reference material stored in Keesing Documentchecker Database™
- Cross reference check against PEP/Sanction lists or internal blacklists (optional)
- Right to Work check (optional)
- Available for online as well as offline use

### Keesing Documentchecker Database™

As AuthentiScan™ is powered by Keesing Documentchecker Database™, you can perform additional checks by comparing a document to reference material retrieved from the world's most comprehensive reference database for ID documents. This database covers passports, driving licenses, ID cards and visas from over 200 countries and organisations.

### Audit trail and efficient business processes

AuthentiScan™ automatically retrieves data from an ID document, and stores it in a secure database. The system creates a detailed report for each ID document inspected. As a result, you simultaneously create a comprehensive audit trail. AuthentiScan™ offers various options for exporting and reporting data, and stores the following information:

• the status of the ID document (genuine/counterfeit)
• the images included in the ID document (ultraviolet, infrared)
• data stored in the RFID chip as well as the physical document
• a detailed report for each check conducted

Users are able to save, print, export and share this data, allowing it to be used in other programs and processes.

### Passport Reader

AuthentiScan™ uses a passport reader, which automatically retrieves data from the document. For organisations with low volume requirements, it is also possible to work with scans (jpeg/pdf/tiff) of (copies of) ID documents.

### Expert Helpdesk

In case of doubt about the authenticity of a given ID document, users can always contact the Keesing Expert Helpdesk. The unit is staffed by a team of professionals who will happily conduct a manual MRZ check, an additional photo check or an overall inspection of the document (focusing on the layout and position of data). Such checks need only take a few minutes.

# Keesing AuthentiScan™ LITE

AuthentiScan™ LITE automatically scans, authenticates and archives copies of ID documents in seconds.

### No-nonsense solution and Helpdesk support

AuthentiScan™ LITE is a no-nonsense solution. You only need a (scan of a) copy of the ID document that needs to be checked. The system takes care of the authentication automatically!

Our LITE version combines an automated check of the MRZ with the ability to compare document data to reference information from Keesing Documentchecker Database™; the most comprehensive reference database in the world, containing thousands ID documents from over 200 countries and organisations. LITE checks the authenticity and validity of ID documents quickly and efficiently.

If all is well, a green tick appears on the screen. If not, the system automatically contacts the Keesing Expert Helpdesk, which will authenticate the document and update/finalise its status. AuthentiScan™ LITE automatically forwards details of any ID document without an MRZ to our Helpdesk. LITE also offers the possibility to conduct a Right to Work check and/or to screen a given ID document against PEP and Sanction lists.

### Authenticate large numbers of copies of ID documents

When you need to process and authenticate large numbers of copies of ID documents, AuthentiScan™ LITE offers a quick and efficient solution. It allows you to check multiple document copies simultaneously in minutes, making it the perfect tool for preventing and tackling administrative backlogs.

### Audit trail

LITE generates an inspection report for each checked ID document, creating a comprehensive audit trail. The report is securely stored in a central database, from where it may be retrieved, printed or exported for use in other systems and processes (enrolment, for example).

AuthentiScan™ LITE was developed for organisations that are legally required to comply with employment screening, client acceptance, anti-money laundering or anti-terrorist financing legislation, but have no personal contact with their clients. Such as (online) gaming companies, financial institutions and insurance companies.

**LITE versus STANDARD**
• Authenticate copies of ID documents (MRZ check)
• Capable of processing batches
• Right to Work check (optional)
• Direct link to Keesing Expert Helpdesk
• No passport reader required

# Keesing AuthentiScan™ PREMIUM

AuthentiScan™ PREMIUM performs several checks over and above the STANDARD version. It also offers the opportunity to automatically check non ICAO compliant documents, driving licenses and ID documents with bar codes and electronic chips from all over the world. Simply place the ID document on the passport reader and the system will conduct 40 fully automated checks within seconds. AuthentiScan™ PREMIUM performs, among others, the following automated checks:

### Fully automated checks

- All checks conducted by the STANDARD version
- Chip validation
- White (visible), UV and IR light pattern recognition
- Date of issuance check
- Issuing authority check
- Comparison of VIZ data with data stored in MRZ
- Micro-print check
- Cross check based on name, date of birth, and expiration date

### Audit trail and Expert Helpdesk

As is the case for AuthentiScan™ STANDARD, the PREMIUM version generates a detailed audit report. Likewise, you can at all times seek assistance from the Keesing Expert Helpdesk.

### PREMIUM versus STANDARD

- Fully automated authentication of ID documents, non ICAO compliant documents, driving licenses and documents with bar codes and electronic chips
- Broad-based verification, based on 40+* automated checks (* depending on the document)
- Optional Right to Work check and Sanction lists screening tool (online version only)

# Keesing  AuthentiScan™ PORTABLE

AuthentiScan™ PORTABLE offers the same functionality as the PREMIUM (offline) version, but in a mobile package. It was developed specifically for people who need to use the system in different locations.

The PORTABLE version runs on a tablet (Windows Surface Pro 2), which is kept in a sturdy case or mobile station alongside the passport reader and an external charger (power supply).

### Premium solution in a mobile package

The case is compact, and weighs in at mere 7 kilograms. The mobile station sits on sturdy casters, and can easily fit through passages and doorways. The mobile station has an ergonomic design – a monitor can be placed on a separate tray, at eye-level, while there is extra space for a keyboard, documents, etc.

Both the case and the mobile station are fitted with an external charger, giving AuthentiScan™ PORTABLE a battery life of up to 24 hours. A USB cable connects the tablet to the reader and provides the necessary power.

As is the case for the other versions, PORTABLE allows users to create an audit trail. ID document data is stored locally (on the tablet).

AuthentiScan™ PORTABLE is widely used by government agencies, including the military and the police. It's also deployed at high-risk locations, such as airports.



### PORTABLE versus STANDARD

- Mobile version of PREMIUM (offline) solution in portable casing or mobile station
- Fully automated authentication based on 40+* automated checks
- Intuitive interface (tablet running Windows Surface Pro 2)
- External charger with battery life of up to 24 hours
- Only available for offline use (No direct link with Keesing Expert Helpdesk)
- Data retrieved from ID document is stored locally

(* depending on the document)

# Keesing AuthentiScan™ APP

AuthentiScan™ APP allows you to verify ID documents anywhere and anytime, using an app running on your smartphone. The app allows you to check the machine readable zone (MRZ) and provides a quick and easy means of authenticating ID documents. Simply photograph the document and the app will establish whether it's genuine or counterfeit within seconds.

### Lightning-quick inspection and Expert Helpdesk

AuthentiScan™ APP is fast and easy to use. Depending on the document type, you can either take a photograph of the personal data page (passport) or of the cover and back (ID card, driving license). The smart app uses these images to check the MRZ automatically.

If all is well, a green tick appears on the screen. If not, the app automatically contacts the Keesing Expert Helpdesk, which will authenticate the document and update/finalise its status. AuthentiScan™ APP automatically forwards details of any ID document without an MRZ to our Helpdesk.

It is also possible to verify whether a person is entitled to work in a country with the Right to Work check in the APP.

### Audit trail

The outcome of each inspection is automatically saved. This includes photos. The data is only stored locally (on the smartphone). AuthentiScan™ APP also creates an audit trail, which you can easily send to other recipients from your smartphone.

**APP versus STANDARD**
- Mobile solution for Android smartphones
- Authenticate ID documents (MRZ check) with an Android app
- Works without passport reader or scanner (works with phone camera)
- Data retrieved from ID document is stored locally
- Direct link to Keesing Expert Helpdesk
- Right to Work check (optional)

# Keesing AuthentiScan™ users

AuthentiScan™ is used by thousands of organisations on a daily basis. Our highly practical and reliable document authentication solution allows our customers to optimise their business processes.

AuthentiScan™ is used by, among others, government agencies, military and police, banks and other financial institutions, insurance companies, telecom providers, solicitors, (online) gaming companies, temporary employment agencies and airlines.

*Thousands of organisations around the world rely on our solutions every day.*

**Try Keesing AuthentiScan hands on**

A live or online demonstration is arguably the best way to discover what this solution can do for your organisation. We would be pleased to visit your office to give you a demonstration of Keesing AuthentiScan™. We can also provide you with a demonstration through online services such as Skype and GoToMeeting.

**Demo request**

For further information about or a live demonstration of AuthentiScan™ please contact our Sales Department via sales@keesingtechnologies.com.

# Keesing AuthentiScan™ solutions

| | LITE | STANDARD (online) | STANDARD (offline) | PREMIUM (online) | PREMIUM (offline) | APP | PORTABLE (offline) |
|---|---|---|---|---|---|---|---|
| Device | Flatbed scanner /MFP | Passport reader | Passport reader | Passport reader | Passport reader | Smartphone | Passport reader + Tablet |
| MRZ (Machine Readable Zone) check | ● | ● | ● | ● | ● | ● | ● |
| UV (ultraviolet) optical dullness response check | | ● | ● | ● | ● | | ● |
| B900 ink check | | ● | ● | ● | ● | | ● |
| Authentication against template database | | | | ● | ● | | ● |
| Cross check against reference material in Keesing Documentchecker Database (manual) | ● | ● | ● | ● | ● | | ● |
| Chip validation | | ● | ● | ● | ● | | |
| Cross check based on name, date of birth and expiration date | | | | ● | ● | | ● |
| Document expiry date/validity check | ● | ● | ● | ● | ● | ● | ● |
| Comparison of VIZ (Visual Inspection Zone) data with data stored in MRZ | | | | ● | ● | | ● |
| Comparison of RFID picture with VIZ (Visual Inspection Zone) photo | | ● | ● | | | | |
| Comparison of RFID data with MRZ data | | ● | ● | ● | ● | | ● |
| White (visible), UV and IR light pattern recognition | | | | ● | ● | | ● |
| Date of issuance and issuing authority check | | | | ● | ● | | ● |
| Right to Work check | ● | ● | | ● | | ● | |
| Cross reference check against PEP/ sanction lists and custom blacklists | ● | ● | | ● | | | |
| Keesing Helpdesk Support | Automated | Automated | Manual | Automated | Manual | Automated | Manual |
| Internal Helpdesk functionality | ● | ● | | ● | | ● | |
| Checking copies of ID documents | ● | | | | | ● | |

# Keesing Technologies

Keesing Technologies was founded in 1923 and leads the way in digital ID document and banknote authentication solutions.

Our objective is to help organisations prevent counterfeiting and combat fraud by providing the world's best authentication solutions. To this end, we market a range of printed and digital solutions that allow users - from document professionals to untrained staff - to assess the authenticity of nearly all ID documents and banknotes currently in circulation. Solutions that provide you with the assurance of a document's authenticity.

The technology we use is powered by nearly 100 years of experience and accumulated knowledge. Thousands of organisations around the world rely on our solutions every day.

Keesing is the owner of the world's most comprehensive source of genuine ID documents and banknotes. A database which provides you authoritative access to international ID documents and banknotes from over 200 countries and organisations. The database, which powers all our products, includes detailed descriptions and high-quality images of thousands of passports, ID cards, driving licenses, visas, residence permits and banknotes. Keesing is trusted by Interpol as a partner for worldwide reference data on banknotes.

Keesing's objective is to develop the highest quality products and services. To achieve it, we cooperate with international government agencies, as well as embassies, consulates and central banks.

Keesing serves more than 6,000 organisations, including government agencies, security printers, temporary employment agencies, insurance companies, banks, telecom providers, solicitors and airlines. Keesing has offices in The Netherlands, France, and the USA. Keesing collaborates with distributors, strategic partners and agents all over the world.

Keesing Technologies is a SURYS company.