PASSPORT READERS & ID SCANNERS

PASSPORT & ID READING & VERIFICATION SOFTWARE

PERSONAL DATA

100% automated ID verification suite in modular design

Adaptive Recognition's passport and ID reading & verification solution creates digital trust and offers the protection your customers and citizens expect. This comprehensive solution is built around customer behaviour, making your service smooth and trusted.

We have developed a 100% automated solution which offers different levels of reading and verification to align with your security requirements. It is flexible, easy to integrate and supports all our ID & passport scanning devices.



Data reading

On top of checking the validity of the Machine-Readable Zone (MRZ), the software reads all textual, document specific information from the Visual Inspection Zone (VIZ).

Verification

The software runs advanced, document specific verifications under white-light, infra-red and UVA. It also verifies the information stored in the chip of the document. The same verification that was originally developed for stringent border control checks – is now available for commercial purposes.

Supported document types

- All kinds of standardized travel documents: passports, IDs, visas
- Local, non-standardized documents like drivers' licenses, address cards, residence permits
- The software can be trained to read private IDs, such as company badges, conference passes

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Key features

- Fast: if ID verification is taking too long, chances are clients will give up or become frustrated. Our solution offers complete reading and verification checks within a few seconds.
- Accurate: the OCR and verification are highly accurate, because we know there is no room for error.
- Worldwide support: all internationally accepted travel documents and also local IDs are processed.

Application areas

- Border control, immigration, security screening, duty free shops
- Tax registration, court proceedings, notary public offices
- Voting, new ID issuing, citizenship & immigration management
- Prisons, military bases, high security areas like power plants
- · Hotel check-in, car sharing, casinos & gaming

Technical details

Hardware requirements

- an Adaptive Recognition passport reader and ID scanner devices connected to the PC
- PC: minimum 2 GHz CPU and 1GB RAM

Updates

- Yearly or at the time of a new release
- Easy activation by installing the latest software version

- Reliable: the same level of reliability that has been proven in mission-critical applications like border control checks is now available for commercial applications.
- Flexible and easy to integrate modular design with multiple software versions. New document types are added to the database quickly.
- Car rental, visa services like Hajj & Umrah, public transportation
- Hospitals, contact research assistance
- Retail, banking, contract management, identity compliance, AML and GDPR
- Know your employee, background screening, visitor management

Software requirements

- 32/64 bit Windows 7/8/10 or Linux
- The software can be utilized with either the ARH demo application or integrated with an end user application / IT



Advanced data cross-check solution

While the data are gathered from several sources – MRZ, RFID, VIZ, barcodes, etc. – at the same time they are also cross-referenced for inconsistencies. The face photo is also compared to its digital version on the RFID. If any difference is detected, then the SW generates a warning about a possible counterfeit or tempered document.



Pattern matching

The software automatically compares the special security patterns of the given document with a background reference database that is responsible for storing patterns of attested genuine identity documents. Pattern matching can be performed for both of visible patterns and geometric signatures of a document and also for elements that are invisible to the naked eye, such as UV patterns or security holograms.



IPI + Letterscreen decoding

In-built, digital decoding is provided for JURA's innovative IPI[®] – Invisible Personal Information and Letterscreen[®] security marks to enhance the reliability of authentication.

Technical specifications are subject to change without prior notice. This document does not constitute an offer

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