



## PASSPORT READER SOFTWARE VERSIONS & LICENSING

ARH offers data reading and document verification capabilities on different levels. The aim of this document is to provide information about the capabilities and licensing terms of each software module.

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## I. SOFTWARE VERSIONS - COMPARISON

Passport Reader Software		VIZ OCR software module	VIZ OCR + AUTH software module
<b>Product part #</b>	PR-SW	VIZ-OCR-SW	VIZ-OCR+AUTH-SW
<b>Availability</b>	included by default	optional	
<b>Update service</b>	3 years	1 year	
<b>Updating options</b>	yearly update reactivation		
<b>Licensing</b>	per device		
<b>Related license(s)</b>	PR API features	VIZ OCR Level1-Country VIZ OCR Level2-Region VIZ OCR Level3-World	VIZ OCR + AUTH Level1-Country VIZ OCR + AUTH Level2-Region VIZ OCR + AUTH Level3-World
<b>Software levels</b>	n/a	Level 1 – Country Level 2 – Region Level 3 - World	Level 1 – Country Level 2 – Region Level 3 - World
<b>Capabilities</b>	<p><b>Imaging</b></p> <ul style="list-style-type: none"> <li>Automatic scanning</li> <li>Auto-rotation</li> <li>Auto-cropping of document image / face photograph</li> <li>Reflection removal (RR)</li> <li>OVD visualization</li> <li>saving color, IR, UV + RR, OVD images</li> </ul> <p><b>Data reading</b></p> <p>PRINTED</p> <ul style="list-style-type: none"> <li>MRZ according to ICAO9303</li> <li>1D/2D barcodes</li> </ul> <p>ELECTRONIC</p> <ul style="list-style-type: none"> <li>RFID</li> <li>Contact chip</li> </ul> <p><b>Authentication</b></p> <ul style="list-style-type: none"> <li>MRZ checksum verification</li> <li>MRZ quality check</li> <li>B900 ink check</li> <li>UV dullness check</li> <li>RFID authentications</li> <li>MRZ vs. RFID DG1 crosscheck</li> <li>Printed photo vs. RFID photo crosscheck</li> </ul>	<p><b>Document type identification</b></p> <ul style="list-style-type: none"> <li>nationality</li> <li>document type</li> <li>series</li> </ul> <p><b>Data reading</b></p> <ul style="list-style-type: none"> <li>Optical Character Recognition (OCR) for Visual Inspection Zone (VIZ)</li> </ul>	<p><b>Document type identification</b></p> <ul style="list-style-type: none"> <li>nationality</li> <li>document type</li> <li>series</li> </ul> <p><b>Data reading</b></p> <ul style="list-style-type: none"> <li>Optical Character Recognition (OCR) for Visual Inspection Zone (VIZ)</li> </ul> <p><b>Authentication</b></p> <ul style="list-style-type: none"> <li>Document-specific analysis of various security features; such as pattern-based matching and color/geometry analysis</li> </ul>
included in all ARH scanner models		included in specific ARH scanner models	
You can find a detailed functionality list of all of the above listed products in the Annex.			

## II. UPDATE TERMS



### 1. UPDATE SERVICE

Update service is a period of time during which access is granted to the latest software versions.

### 2. EXTENSION OF UPDATE SERVICE

There are two options for accessing the latest software version when the original update service period is over:

- **YEARLY UPDATES**

The update service can be extended by purchasing yearly updates. This option is available during valid update service period.

- **REACTIVATION**

Updating is possible even when the update service period has expired, using the reactivation service. This is a one-time update offering access to the latest software version that is available at that time. At the time of reactivation (and until the end of current quarter), yearly updates can be also applied.

### 3. END OF UPDATE SERVICE

When the update service period is over, the previously installed software versions will continue to function for an **unlimited time period**. **Updating is only recommended but not obligatory.**

### III. LICENSES

#### 1. PURPOSE

Each software module has its own related license file, storing:

- Issuing date
- Expiry date
- Device serial number

The update service period is controlled by the expiry date. All software versions that are issued prior to this date, will run on the device.

#### 2. LICENSE STORAGE

- In case of all scanner models that were manufactured in 2014 or later, the licenses are stored on the scanners.
- On legacy models (scanners manufactured before 2014) the licenses can be stored on an external USB dongle that is available from ARH.

#### 3. MIGRATING LICENSES BETWEEN DEVICES

License migration is not possible, as all issued licenses are linked to one scanner, based on its serial number.

### IV. SOFTWARE LEVELS

#### 1. AVAILABLE LEVELS

While the Passport Reader Software has one version/level, the VIZ OCR and VIZ OCR + AUTH software modules are available on 3 different levels:

- **Level 1 – Country:** supports various document types of one country
- **Level 2 – Region:** supports various document types of one region
  - North America
  - South America
  - Europe
  - Africa & Middle East
  - Asia
  - Asia Pacific
- **Level 3 – World:** supports various document types without limitation (full library)

## 2. SWITCHING BETWEEN SOFTWARE LEVELS

Upgrading to a higher software level is possible during valid update service period, for the price difference of the two software levels.

When the required license is available, the upgrade can be performed easily by ARH **License Manager Application**. This application is included by default in the passport reader software from pr-2.1.7 or optionally available from ARH Support Team as well.

Downgrade option is not available. The lowest available license level a scanner can include is the license level it was supplied with.

## V. SAMPLE COLLECTION PROGRAM

ARH is committed to provide up-to-date software to its clients. As new documents are issued regularly, the software modules are constantly updated.

The frequency of including new document types depends on the number of available specimens. ARH customers are welcomed to participate in the updating process.

Including support for one new document type is available with the following requirements:

- Scanned images of the given document type, using ARH scanner: by default 10-20 pcs. images of each document type. The number of required images may vary depending on the overall quality of the document type (printing quality, font size/type, etc.) - the exact number of required images is available after the approval of ARH Development Team.
- The scanned images should be in .ZIP format – the standard format that ARH Full Page Reader Demo generates, using SAVE function or from code using SaveDocument() function.
- Customer should highlight those data fields that should be recognized, including both the front and back side of the document.

ARH collects sample images only from legal sources according its **Privacy Statement** which is available by request. Sensitive data is handled with the utmost care - for performing all related processes ARH is certified with ISO 27001:2005.

## VI. SYSTEM REQUIREMENTS

### Hardware

- an ARH scanner connected to the PC (USB 2 or USB 3 port)
- PC – minimum: CPU: 2GHz, RAM: 1GB
- PC – recommended: CPU: i5 xxx, RAM: 8GB

### Software

- pr (passport reader) installer package: pr-2.1.7 or higher

### Supported operating systems:

- Windows 10 (32/64 bit, WHQL certified), 8.1, 8, 7, Vista, 32/64 bit Server 2008 R2;
- Linux Ubuntu, Debian, OpenSUSE, CentOS;
- Linux ARM – HF 32-bit (compatibility may vary by scanner model – ask for details)

Only non-virtualized operating system environments are supported.

### Supported programming languages:

- On Windows OS: C/C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java;
- On Linux: C/C++, Java.

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## CONTACT US

To request further technical information or proposal, feel free to contact ARH Sales Team at [requestinfo@arh.hu](mailto:requestinfo@arh.hu) or your ARH sales manager.

To request assistance for technical issues, feel free to contact our colleagues via ATSS - ARH Technical Support System with your existing registration or register here: <http://atssregistration.arh.hu>

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