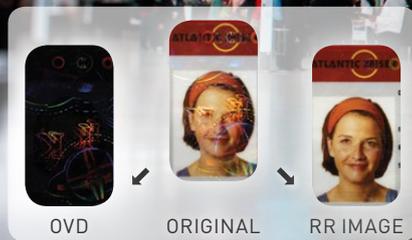


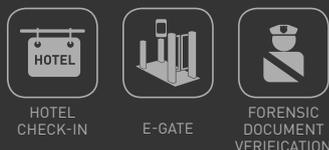
# PRMc

SECOND GENERATION OF THE INDUSTRY-ACCLAIMED FULL-PAGE PASSPORT SCANNER WITH OCR SOFTWARE LIBRARY & SDK



## HIGH-END PASSPORT READER FOR MISSION-CRITICAL APPLICATIONS

PRMc is a premium tool to automatically read and authenticate many types of identity documents: passports, ID cards, visas and driving licenses – particularly in border control and high security applications. In a single step, PRMc extracts both printed and digital data from contactless (RFID) chips. For ideal results, the scanner uses multiple illumination sources (visible white, infrared and UV) and hardware-assisted reflection removal for glare-free imaging. In order to detect the most often forged part of passports, the device captures a high resolution 960 PPI image of the face photo from the data page. The exceptionally detailed image allows in-depth verification and automatic Jura IPI decryption too – replacing manual verification by lens. The scanner's robust design and its scratch resistant tempered glass reading surface assure flawless functioning in any mission critical operation. PRMc operates 24/7 with ease, whether in a high demand border control system protecting the citizen or in a bank securing payment transactions.



### MAIN BENEFITS

- Ideal for high security and border control applications
- Maximum durability – thanks to scratch-resistant glass and no moving parts
- Allows in-depth authenticity verification
- Suitable for both kiosk and desktop use
- High-resolution camera for face photo checking & IPI decoding

ARH: TOWARD THE FUTURE IN SAFETY – SINCE 1991

ADDRESS: ALKOTAS UTCA 41, H-1123 BUDAPEST, HUNGARY, EU  
 PHONE: +36 1 201 9650 • FAX: +36 1 201 9651 • EMAIL: SENDINFO@ARH.HU  
 WWW.ARH.HU

## SPECIFICATIONS

PRMc

- dual-antenna RFID system • 475 PPI full-page and 960 PPI face photo imaging • visible white, IR and UV illuminations • JURA IPI decoding
- scratch-resistant glass

### IMAGING

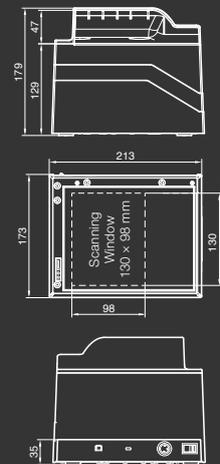
Active Scan Area	130 mm × 98 mm (5.12" × 3.86")
Glass Plate	Scratch resistant tempered glass for robustness and durability
Illumination Sources	LED visible white, IR (B900), UV-A (optional)*
Image Resolution	475 PPI
Photo Camera	960 PPI
Provided Images	Visible, IR, UV (UV-A)*, OVD image and glare-free image
Image Formats	BMP, JPG, JPG2000 and PNG
Image Color Depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]

### READING CAPABILITY

Automatic Document Detection (ADD)	YES
Reflection Removal (RR) and OVD visualization	YES
Adaptive Light Control	YES
ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1 <sub>v2</sub> , Part 2, Part 3 and Part 3 <sub>v2</sub> for Type ID-1, ID-2 and ID-3 MRZ Optical Character Recognition
VIZ Reading	Available with ARH VIZ OCR software
Barcode Reading	1D: UPC-A, EAN8, EAN13, Code39, Code128 and ITF 2D: PDF 417, Data Matrix, QR Code, Aztec Code From paper based documents and mobile devices AAMVA compliant PDF417 and IATA BCBP
Contactless IC (RFID)**	Reading and writing contactless ICs according to: ISO 14443 Type A & B, BSI TR-03105 All standardized rates up to 848 Kbps
Contact Smart Card Option***	ISO 7816 Class A, AB and C, ISO 7816 & EMV2 2000 Level 1

### PROGRAMMING & INTERFACES

Supported Operating Systems	Windows 10, 8.1, 8, 7, Vista (32/64 bit, WHQL certified) 32/64 bit Server 2008 R2 and Server 2003 Linux Ubuntu, Debian, OpenSUSE, CentOS
Software Development Kit (SDK)	Complete SDK including DLLs and demo programs
Programming Languages	C/C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java
General Interfaces	ARH native, Twain, PC/SC, BioAPI 2.0, AssureID™
RFID functions (where applicable)**	ICAO Doc. 9303 LDS 1.7, ISO 18013 (Driver License) PKI 1.1, BAC, EAC, EAC2.0, PACE, PACE-CAM, AA, PA, TA, CA, BAP, EAP
Advanced Document Authentication (included in standard SDK)	Data consistency checks: MRZ, Bar codes, RFID** IR B900 and UV dull paper check* Passports' bearer photo vs. RFID DG2**
Additional Authentication Options (available as optional SDK)	VIZ and non-ICAO document reading Automated verification based on document specific security features in visible white, IR and UVA Jura IPI (invisible personal information) verification
PC Connection	USB 2.0 high speed
Status indicators	Three programmable status LEDs (yellow, red, green)
Firmware Upgrade	Automatic, via USB



### MECHANICAL AND OTHER DATA

Size (width × depth × height) / Weight	213 mm × 173 mm × 179 mm (8.39" × 6.81" × 7.08") / 1.9 kg (4.19 lbs.) – actual weight may vary depending on configuration
Operating Temperature / Humidity	5 °C to 45 °C (45 °F to 113 °F) / 0-95 % (non-condensing)
Power supply	Universal external power supply, 100-240 V AC, 50/60 Hz
IP rate / Case	IP51 / Sturdy ABS-PC plastic
Security	Kensington® security slot
Window glass	0.16" (4 mm) scratch resistant tempered glass
Compliances	FCC, CE, WEEE, RoHS
Maintenance	No moving parts, maintenance-free operation
Warranty	3-year warranty, upgradeable

\* available in type 'L' models, \*\* available in type 'R' models, \*\*\* available in type 'S' models



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