

# PRMc

FULL-PAGE PASSPORT SCANNER  
WITH OCR SOFTWARE LIBRARY & SDK



## COMPACT, SINGLE-STEP, FULL-PAGE SCANNER SERIES WITH VERSATILE FUNCTIONS

The PRMc scanners are a series of full-page, multi-purpose passport and ID scanners that provide automatic, accurate data extraction and document verification. They read multiple document types: passports, e-passports, ID cards, visas, driver's licenses. Printed data is extracted from the entire data page, from MRZ, VIZ and 1D & 2D bar codes, while digital data from contact less (RFID) and contact smart chips can be also extracted. OCR and RFID reading is done in one, single step. Multiple illumination sources: visible white, IR and UV and two levels of optical system: standard and enhanced are available. Enhanced versions are available with photo option: an additional, 700 PPI image is captured of bearer's face photo on the data page – which is the most attacked part of passports. This exceptionally high resolution image serves better verification and also automatic Jura IPI™ decryption. The PRMc series is ideal for any application from border control & immigration to security and commercial environments like banks, hotels, telecom companies. Its modular design allow great flexibility, more than 64 different configurations can be made and OEM versions are also available.

### KEY FEATURES

- Compact, desktop "format", full-page document scanning, RFID function
- High resolution 400 PPI imaging with brilliant image quality in visible white, IR, UV illumination.
- Additional 700 PPI resolution passport photo capturing in extended high color fidelity (XCF)

### MAIN BENEFITS

- Reading and verifying ICAO and non-ICAO compliant ID documents accurately
- Complete passport processing (ICAO MRZ, General VIZ, RFID and more)
- Achieving single step OCR and RFID reading for higher security and speed



BORDER CONTROL



QUALITY ASSURANCE



VENDING



BANKING



HOTEL CHECK-IN



E-GATE

# SPECIFICATIONS

PRMc

## IMAGING

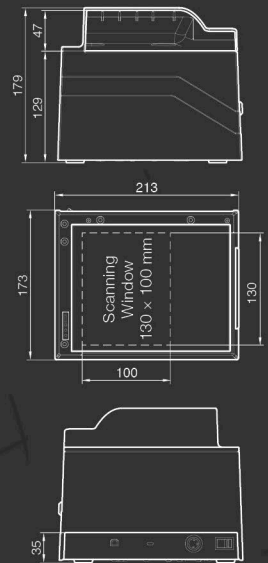
Active Scan Area	130 mm × 98 mm (5.12" × 3.86")
Illumination Sources	LED visible white, IR (B900), UVA (optional)
Image Resolution	400 PPI
Photo Camera Option	700 PPI
Provided Images	Visible, IR, UV (UVA)
Image Formats	BMP, JPG, JPG2000 and PNG
Image Color Depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]

## READING CAPABILITY

Automatic Document Detection (ADD)	YES
Reflection Removal (RR)	Optional
ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1v2, 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, based on user-defined fields
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) Option	Reading and writing contactless ICs according to: ISO 14443 Type A & B, 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 Operation Systems	Windows 7, Vista, XP (32/64 bit, WHQL certified) 32/64 bit Server 2008 R2 and Server 2003 Linux Debian 6.06, 7, Ubuntu 10.0.4, 12.0.4, CentOS 6.3 and Open Suse 12.1
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™ and Micros Opera™
RFID functions (where applicable)	ICAO Doc. 9303 LDS 1.7, ISO 18013 (Drivers License) PKI 1.1, BAC, EAC, EAC2.0, PACE, AA, PA, TA, CA, BAP, EAP
Advanced Document Authentication Module	Data consistency checks: MRZ vs. VIZ vs. Bar codes vs. RFID IR B900 and UV dull paper check, Passports' bearer photo vs. RFID DG2
PC Connection	USB2.0 high speed
Status indicators	Three programmable status LEDs (yellow, red, green)
Internal Memory	Storing factory calibration
Firmware Upgrade	Automatic, via USB



## MECHANICAL AND OTHER DATA

Size (width × depth × height)	213 mm × 173 mm × 179 mm (8.39" × 6.81" × 7.08")
Weight	2.2 kg - 2.4 kg (4.85 lbs. - 5.29 lbs.), depending on the model
Operating Temperature	5 °C - 45 °C (45 °F - 113 °F)
Operating Humidity	0-95 % (non-condensing)
Power supply	Universal external power supply, 100-240 V AC, 50/60 Hz
IP rate	IP51
Case	Sturdy ABS-PC plastic
Security	Kensington® security slot
Window glass	4 mm tempered glass
Compliances	FCC, CE, WEEE, RoHS
Maintenance	No moving parts, maintenance-free operation
Warranty	12 months warranty, upgradeable
Other Options	Extended document window 130 × 100 mm (type E), Flip-top cover



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