

# PRMc II

UPDATED VERSION OF THE INDUSTRY-ACCLAIMED FULL-PAGE PASSPORT SCANNER WITH OCR SOFTWARE LIBRARY & SDK



## COMPACT, SINGLE-STEP, FULL-PAGE SCANNER SERIES WITH IMPROVED IMAGE QUALITY

The PRMc II is a full-page, multi-purpose scanner series which provides automatic, accurate data extraction and verification with the ability to read multiple types of identity documents: passports, e-passports, ID cards, visas and driving licenses. The printed data is extracted from the entire page (MRZ, VIZ and 1D & 2D bar codes) while digital data is obtained from contactless (RFID) and contact smart chips. OCR and RFID reading is done in a single step. The standard and enhanced versions of the scanner series both possess multiple illumination sources (visible white, IR and UV), hardware-assisted reflection removal (RR) and OVD visualization functions.

In order to counteract the most often forged part of passports, the enhanced versions are capable to optically capture a 960 PPI image of the bearer's face photo from the scanned document's data page. The resulting exceptionally high-resolution image offers more accurate verification and also allows for automatic Jura IPI decryption.

The PRMc II series is ideal for any application from border control and immigration, to security and commercial environments such as banks, hotels and telecom retailers. The modular hardware design offers great flexibility and OEM versions are available as well.

### KEY FEATURES

- Compact, desktop format, full-page document scanning, RFID function
- High resolution 475 PPI imaging with brilliant image quality in visible white, IR, UV illumination.
- Additional 960 PPI resolution passport photo capturing in extended high colour fidelity (XCF)
- New: hardware-assisted reflection removal (RR) and OVD visualization

### MAIN BENEFITS

- Accurate reading and verifying ICAO and non-ICAO compliant identity documents
- Complete passport processing (ICAO MRZ, General VIZ, RFID and more)
- Single step OCR and RFID reading for better security and higher speed



BORDER CONTROL



QUALITY ASSURANCE



VENDING



BANKING



HOTEL CHECK-IN



E-GATE

## SPECIFICATIONS

PRMc II

### IMAGING

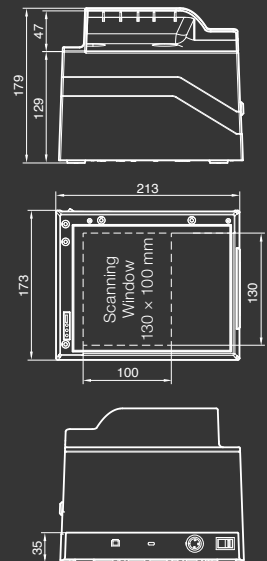
Active Scan Area	130 mm × 98 mm (5.12" × 3.86")
Illumination Sources	LED visible white, IR (B900), UVA (optional)
Image Resolution	475 PPI
Photo Camera Option	960 PPI
Provided Images	Visible, IR, UV (UVA), OVD image, glare-free image
Image Formats	BMP, JPG, JPG2000 and PNG
Image Color Depth	24 bits/pixels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

### READING CAPABILITY

Automatic Document Detection (ADD)	YES
Reflection Removal (RR)	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

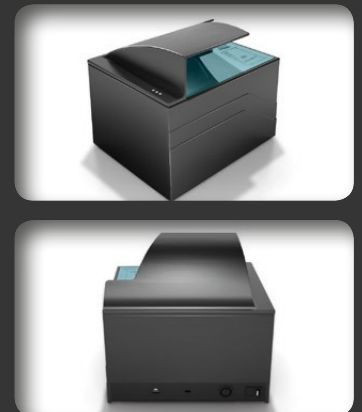
### PROGRAMMING & INTERFACES

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 (Driver 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	USB 2.0 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	1.9 kg (4.19 lbs.) – actual weight may vary depending on configuration
Operating Temperature	5 °C to 45 °C (45 °F to 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	0.16" (4 mm) tempered glass
Compliances	FCC, CE, WEEE, RoHS
Maintenance	No moving parts, maintenance-free operation
Warranty	12 months warranty, upgradeable



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

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