

# PRMc

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



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

The PRMc is a full-page, multi-purpose scanner 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 both possess multiple illumination sources (visible white, IR and UV), hardware-assisted reflection removal (RR) and the optional OVD visualization function. In order to counteract the most often forged part of passports, the PRMc is 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 images in visible white, IR and UV offer more accurate verification and also allow for automatic Jura IPI decryption.

The PRMc is ideal for any application from border control and immigration, to security and commercial environments such as banks, hotels and telecom retailers. The scanner's robust design and its scratch resistant tempered glass reading surface assure flawless functioning in any mission critical operation. OEM versions and other hardware configurations are also available upon request.

### 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 option: 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

## IMAGING

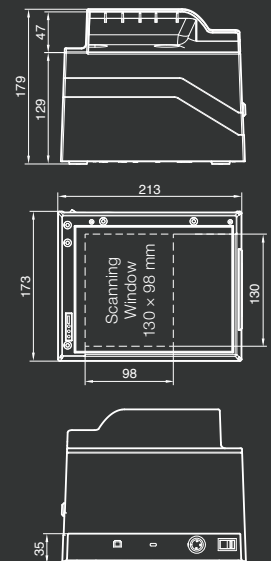
Active Scan Area	130 mm × 98 mm (5.12" × 3.86")
Glass Plate	Scratch resistant tempered glass for robustness and durability
Illumination Sources	LED visible white, IR (B900), UVA
Image Resolution	475 PPI
Photo Camera	960 PPI
Provided Images	Visible, IR, UV (UVA), OVD image and glare-free image
Image Formats	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
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, 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)	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 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™ 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 (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)	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) scratch resistant 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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