

Combo SMART

Compact, single-step, full-page scanner series with versatile functions



KEY FEATURES

- >> Small footprint, stylish and ergonomic design
- >> Full-page, single-step e-passport scanner with automatic document detection
- >> High resolution 500 dpi LED based imaging under visible white, IR and UV (optional) light
- >> Modular design with various options: color UV, RFID, magstrip and smartcard
- >> ISO and ICAO standards compliant, supports BAC, EAC, PA, AA and PACE
- >> RFID enabled models facilitates two SAM slots for secure storing of certificates and digital signatures
- >> Two auxiliary USB ports offer convenient connectivity of external devices

MAIN BENEFITS

- ✔ Read and authentication passports, visas, ID cards and driver's licenses
- ✔ High reliability, no moving parts and dust-proof IP53 optical module
- ✔ SDK ensures seamless integration with any existing governmental or commercial workflow
- ✔ Automated face comparison between datapage photo and RFID DG2
- ✔ Reads 2D barcodes from paper based documents and cell phones
- ✔ OVD visualization and Reflection Removal (RR) technology helps OCR verification



Border control



Quality Assurance



Law enforcement



Banking



Mobile operators



Hotel check-in

Combo SMART datasheet

Compact, full-page e-passport scanner series with versatile functions

IMAGING

Active scan area	125mm x 88mm (4,92" x 3,46")
Illumination sources	Visible white, IR (B900), UVA (optional) – all are LED based
Image resolution	500 dpi
Provided images	Visible, IR, UV, OVD image, glare-free image (Reflection Removal function)
Image formats	BMP, JPG, JPG2000 and PNG

READING CAPABILITY

Automatic document detection	YES
MRZ reading	ICAO compliant documents per ICAO 9303 specification Parts 1-3 - Type ID-1, ID-2 and ID-3 MRZ Optical Character Recognition
VIZ reading	Available, based on user-defined fields
Barcode reading	1D: EAN8, EAN13, Code39, Code128 and ITF 2D: UPC-A, PDF 417, Data Matrix, QR Code, Aztec Code - From paper based documents and some mobile devices - AAMVA compliant PDF417 two dimensional barcodes

MAGSTRIPE OPTION

Supported standards	Related ISO, ANSI and AAMVA
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CONTACT SMART CARD OPTION

Supported standards	Standards: ISO 7816 & EMV2 2000 Level 1 Card types: ISO 7816 Class A, AB and C (optional)
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E-PASSPORT (RFID) OPTION

Single-step reading	YES
Supported IC types	ISO 14443 A/B compliant, all standardized rates up to 848 Kbps ICAO recommendations in ICAO Doc 9303 supplement, LDS 1.7
Supported Authentications	BAC, EAC, AA, PA and PACE
SAM slots	Two available, one easily accessible, one is secured

SOFTWARE DEVELOPMENT KIT (SDK)

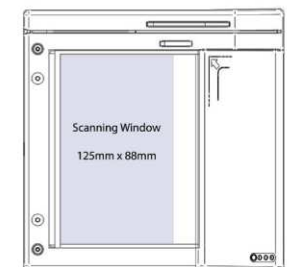
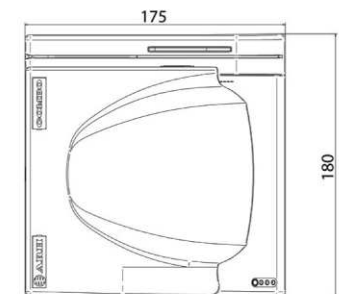
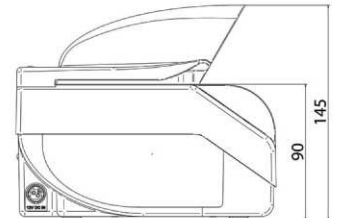
SDK available	YES, full SDK including DLLs with demo programs
Supported Operation Systems	Windows® 7, Vista, XP (32/64bit, WHQL certified) 32/64bit Server 2008 R2 and Server 2003 Linux: optional, ask for details
Programming languages	C/ C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java
General interfaces	Twain, PC/SC, BioAPI 2.0

MECHANICAL AND OTHER DATA

Size (width x depth x height)	180mm x 175mm x 145mm (7.09" x 6.89" x 7.71")
Weight	1.1 kg (2.43 lb)
Operating temperature	+5°C to +45°C (45°F to 113°F)
Operating humidity	0-95% (non-condensing)
Case	Highly durable ABS-PC plastic
IP rate	IP53
Maintenance	No moving parts, maintenance-free operation
Security	Kensington® security slot
User interface	Four status LEDs (blue, green, yellow, red), three are programmable
PC interface	USB2.0 high speed
Auxiliary USB interface	Two USB2.0 ports available for connecting external devices
Power supply	Universal external power supply included: 100-240V AC, 50/60Hz

ADVANCED DOCUMENT AUTHENTICATION MODULE (ADAM)

MRZ checksum validation	
MRZ comparing to VIZ (optional)	
Printed MRZ comparing to MRZ stored in RFID chip	
Printed face photo comparing to photo stored in RFID chip -DG2- (RFID option required)	
Expiry date check, B900 ink check and UV dull paper check (UV option required)	
Automated pattern matching under white, UV and IR light (optional)	



* Technical specifications are subject to change without prior notice