

COMBO SMART

VERSATILE E-PASSPORT READER

If you are not an expert in ID verification, don't worry.
Combo Smart has got you covered.



Speeding up check-in at a hotel? Look for forensic-quality ID inspection at immigration? Need to register driver's licenses for car rental? Need to comply with Know Your Customer (KYC) policy in a bank? Combo Smart was designed to meet the most demanding scenarios, where precise data capture is just as important as accurate measure of document authenticity.

Combo Smart helps creating secure & efficient environments by building trustworthy relationships through advanced ID scanning & verification.

It is a combination of a universal ID scanner and e-passport reader that can read and authenticate identity documents, saving the lengthy and error-prone manual typing and forgery inspection. Finally, any business can verify IDs without any expertise in this field.

Gathered data includes printed text, barcodes and digitally stored information from chips embedded into documents. Seamlessly integration into any IT environment is ensured by a great SDK provided with the device.



ACCESS
CONTROL



BORDER
CONTROL



QUALITY
ASSURANCE



LAW
ENFORCEMENT



BANKING



HOTEL
CHECK-IN



MOBILE
OPERATORS

Main benefits

- Accurate data entry and document verification
- Forget the headache when trying to read international IDs
- Be compliant to privacy and security regulations
- Have more time to focus on your clients not on typing
- Does not require any special training

Specifications

- true color, high-quality images • full-page scanning up to ID-3 size • wide range of models to match all business needs
- single step reading of printed & RFID data • visible white, IR, UV illumination • OVD visualization & Reflection Removal

Imaging

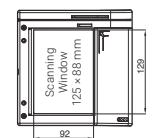
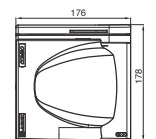
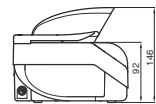
Active Scan Area	125 mm x 88 mm (4.92" x 3.46")
Illumination Sources	LED visible white, IR (B900), UVA
Image Resolution	500 PPI
Provided Images	Visible, IR, UV (UVA)*, OVD image, glare-free image
Image Formats	BMP, JPG, JPG2000 and PNG
Image Color Depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]

Reading Capability

Automatic Document Detection (ADD)	YES
Reflection Removal (RR)	YES
Adaptive Light Control	YES
ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1 _{v2} , Part 2, Part 3 and Part 3 _{v2} 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) Option**	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
Authentication checks	printed vs. digital data comparison

Programming & Interfaces

Supported Operating Systems	Windows 7, 8, 8.1, 10 + Linux (ask for details)
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, Acuant 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, Bearer's printed 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*
PC Connection	USB 2.0 high speed (USB 3.0 compatible)
Internal USB HUB	Integrated USB 2.0 HUB, 2 ports for external devices
Status indicators	Four programmable status LEDs (blue, green, yellow, red)
Internal Memory	Storing factory calibration
Firmware Upgrade	Automatic, via USB



Mechanical and Other Data

Size (width x depth x height) / Weight	178 mm x 176 mm x 146 mm (7.01" x 6.93" x 5.75") / 1.1 kg (2.43 lbs.)
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
Case	Sturdy ABS.PC plastic & metal
Security	Kensington® security slot
Window glass	4 mm (0.16") tempered glass
Compliances	FCC, CE, WEEE, RoHS
Maintenance	No moving parts, maintenance-free operation
Warranty	3-year warranty, upgradeable



Technical specifications are subject to change without prior notice. This document does not constitute an offer.
* available in type 'L' models, ** available in type 'R' models, *** available in type 'S' models