

COMBO SMART

FULL-PAGE E-PASSPORT SCANNER
WITH OCR SOFTWARE LIBRARY & SDK

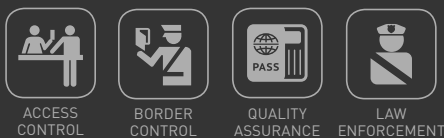


UNIVERSAL SCANNER FOR ANY BUSINESS

Let's imagine a passport reader with the most universal usage. A compact, multi-purpose scanner that is optimized not just for personal data capture but also for ID authentication, making it ideal both for commercial and governmental use. We have been thinking – and come up with Combo Smart.

Improving security at border control? Speeding up guest registration in a hotel? Scanning driver's licenses for car rental? Know Your Customer (KYC) policy in a bank? Combo Smart reads data no matter how the information is stored – extracts printed items like text / barcodes and digital data as well. You name it: contact chips, contactless chips and even magnetic stripes in specific models. As for document verification, Combo Smart detects if the document is a fake, copied or forged in any way – via automated checks within just a few seconds.

Browse through the different scanner configurations and find the model that best fits your checklist of features. Start using it right after delivery: it comes complete with its own demo software while offers 3rd party integrability too.



ACCESS
CONTROL

BORDER
CONTROL

QUALITY
ASSURANCE

LAW
ENFORCEMENT



BANKING



HOTEL
CHECK-IN



MOBILE
OPERATORS

MAIN BENEFITS

- A range of models for your specific business needs
- Data reading & authentication by the same device
- Detecting copied or forged documents
- Superb glare-free imaging
- Single-step reading of printed & chip data

TOWARD THE FUTURE IN SAFETY – SINCE 1991

SPECIFICATIONS

COMBO SMART

- full-page scanning up to ID-3 size • compact desktop format • dual antenna RFID system • high resolution 500 PPI imaging
- visible white, IR, UV illumination • OVD visualization & reflection removal

IMAGING

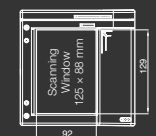
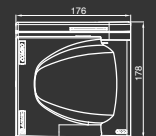
| | |
|----------------------|---|
| Active Scan Area | 125 mm × 88 mm (4.92" × 3.46") |
| Illumination Sources | LED visible white, IR (B900), UVA (optional)* |
| Image Resolution | 500 PPI |
| Provided Images | Visible, IR, UV (UVA)*, OVD image, glare-free image |
| Image Formats | BMP, JPG, JPG2000 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 |
| Sam Module | Available as optional accessory for storing digital content for RFID reading |
| Magnetic Stripe Option**** | Track 1, 2 and 3 stripes according to related ISO, ANSI and AAMVA standards |
| Contact Smart Card Option*** | ISO 7816 Class A, AB and C, ISO 7816 & EMV2 2000 Level 1 |

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, Acuanti 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 |
| 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 × depth × height) / Weight | 178 mm × 176 mm × 146 mm (7.01" × 6.93" × 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 |

* available in type 'L' models, ** available in type 'R' models, *** available in type 'S' models, **** available in type 'M' models

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



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