

COMBO SCAN

ID AND PASSPORT SCANNER
WITH OCR SOFTWARE LIBRARY & SDK



ULTRA COMPACT SCANNER FOR FAST DATA ENTRY

The Combo Scan is an extremely compact, fast and fully automated ID and passport scanner designed for data entry applications. Accuracy and efficiency combined with ease of use ensures peace of mind for any kind of business owner where scanning and reading IDs and passports is required. Hotel check-in, casino, car rental, retail, liquor store are just a few of the possibilities. Scanning starts automatically when the document is placed on the scanning window. Several, high resolution images are captured and processed, even the glossy reflections caused by laminated documents are removed for the best OCR results. Within only 2 seconds OCR data, bar code data and authentication checks are available. This saves enormous amounts of time, approximately 2-3 minutes per customer and greatly improves the accuracy of the data compared to manual data input. Maintenance free operation is ensured by the no-moving parts design. The scanner operates on a single USB, no external power supply is required.

KEY FEATURES

- Ultra compact size, Passport & ID reading
- High resolution 500 PPI imaging with visible white & IR illumination
- Proprietary glare free imaging function for efficient OCR and bar code reading
- LED based operation feedback lights for higher ergonomoy
- Single USB connection, powered by USB

MAIN BENEFITS

- Reading barcodes and accomplishing OCR very quickly and accurately
- Reading both ICAO MRZ and general VIZ from ID cards (like USA driver licenses)
- Supporting detection of fraudulent documents in high resolution imaging based in visible white & IR illumination



HOTEL
CHECK-IN



CASINO
GAMING



CAR
RENTAL
SFDFSD



RETAIL
SHOPS



MOBILE
OPERATORS

SPECIFICATIONS

COMBO SCAN

IMAGING

Active Scan Area	125 mm × 55 mm (4.92" × 2.17")
Illumination Sources	LED visible white, IR (B900)
Image Resolution	500 PPI
Provided Images	Visible, IR, 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

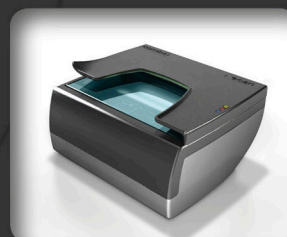
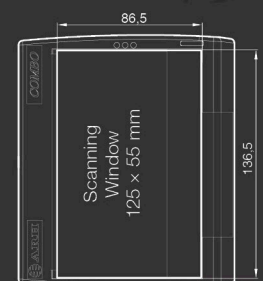
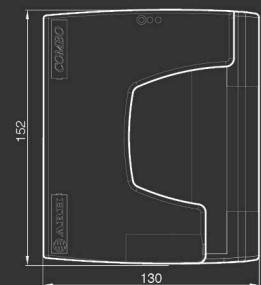
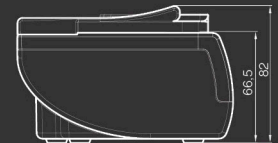
Automatic Document Detection (ADD)	YES
Reflection Removal (RR)	YES
ICAO MRZ Reading	ICAO compliant documents per ICAO 9303 specification Part 1, Part 1v2, Part 2, Part 3 and Part 3 _{v2} for Type ID-1, ID-2 and ID-3 MRZ Optical Character Recognition
VIZ Reading	Available, based on user-defined fields
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

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 and Micros Opera™
Advanced Document Authentication Module	Data consistency checks: MRZ vs. VIZ vs. Bar codes IR B900 check
PC Connection	USB2.0 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)	152 mm × 130 mm × 82 mm (5.98" × 5.12" × 3.23")
Weight	0.6 kg (1.32 lbs.)
Operating Temperature	5 °C - 45 °C (45 °F - 113 °F)
Operating Humidity	0-95 % (non-condensing)
Power supply	From USB, no external power supply is required
IP rate	IP53
Case	Sturdy ABS-PC plastic
Security	Kensington® security slot
Window glass	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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