

# COMBO SCAN

ID AND PASSPORT SCANNER  
WITH OCR SOFTWARE LIBRARY & SDK



## ULTRA COMPACT SCANNER FOR FAST DATA ENTRY

Combo Scan is an extremely compact, fast and fully automated ID and passport scanner designed for data entry applications. Its accuracy and efficiency combined with ease of use ensures peace of mind for any business where scanning and authentication of IDs or passports are required. Hotel check-in, casinos, car rental or retail locations and liquor stores are just a few of the possibilities for utilization.

The scanning process automatically starts when the document is placed in the reader. Several, high resolution images are captured, processed, and even the glossy reflections caused by laminated documents are removed for the best OCR results. Within two seconds not only OCR, (optional) RFID chip and bar code data but the authentication checks are also available. This saves a lot of time – approximately 2-3 minutes per customer – and greatly improves the accuracy of the data compared to manual 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 barcode reading
- LED-indicated operation feedback for better ergonomics
- 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 (such as driving licenses)
- Supporting detection of fraudulent documents in high resolution imaging based in visible white & IR illumination



HOTEL  
CHECK-IN



CASINO  
GAMING



CAR  
RENTAL



RETAIL  
SHOPS



MOBILE  
OPERATORS

## SPECIFICATIONS

## COMBO SCAN

### IMAGING

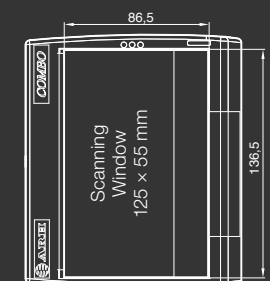
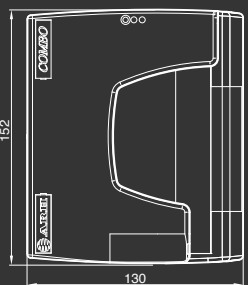
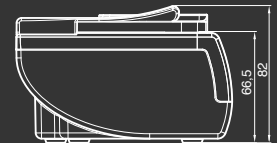
Active Scan Area	125 mm × 55 mm (4.92" × 2.17")
Illumination Sources	LED visible white, IR (B900)
Image Resolution	500 PPI
Provided Images	Visible, IR, OVD image, glare-free image
Image Formats	BMP, JPG, JPG2000 and PNG
Image Color Depth	24 bits/pixels [RGB, 8 bits/pixels (IR image)]

### 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 <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) option	Reading and writing contactless ICs according to: ISO 14443 Type A & B, All standardized rates up to 848 Kbps

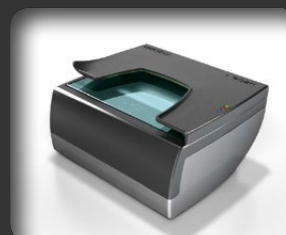
### PROGRAMMING & INTERFACES

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 and Twain
Advanced Document Authentication Module	Data consistency checks: MRZ vs. VIZ vs. barcodes IR B900 check
PC Connection	USB 2.0 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 to 45 °C (45 °F to 113 °F)
Operating Humidity	0-95 % (non-condensing)
Power supply	From USB with no external power supply is required
IP rate	IP53
Case	Sturdy ABS-PC plastic
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	2-year warranty, upgradeable



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

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