

Document readers for kiosk integration

Self service
check-in

The ARH ID1 and ID2 Kiosk Readers are specially designed for kiosk integration

ARH Kiosk readers are designed for various kiosk applications. ARH Kiosk Reader ID1 and Kiosk Reader ID2 are compact devices optimized to be integrated into kiosks.

ARH Kiosk Readers provide optimal solution for scanning ID-1 and ID-2 size cards like national ID cards, driver's licenses, health insurance cards, visitor badges, etc. therefore they are suitable for various applications.



The screenshot shows the ARH Kiosk Reader software interface. It features a header with the text 'KIOSK READER' and a navigation menu with options: IMAGE, PINZ, VIZ, BCK, RFID, SUMMARY, and OPTIONS. The main area is divided into several sections: PERSONAL DATA (GIVEN NAME: VIKTORIA, SURNAME: KARPATI, BIRTH DATE: 920115, NATIONALITY: Hungary, SEX: Female), DOCUMENT DATA (ICAO standard Passport. (MRP), DOCUMENT NUMBER: YB875845, TYPE: F, ISSUE COUNTRY: ARH, EXPIRY DATE: 180301), and STATUS (8000 INK CHECK: PASSED (1000), SECURITY PAPER CHECK: PASSED (1000)). There is also a 'VISUAL DATA' section with a photo of a woman. At the top right, there are buttons for 'LOAD', 'SAVE', and 'RESET'.

The industry leader OCR algorithm of ARH is included in the attached SDK. It ensures exceptionally high reading rate of ICAO standard OCR lines.

By using user defined OCR functions (part of the SDK) it is possible to read the VIZ fields also. Optionally UV illumination is available to serve document authenticating applications.

Main benefits of Kiosk Reader ID1 & ID2

- Designed to be integrated in kiosks or automated access control terminals
- Automatic document detection
- Extremely fast: image capturing, data transfer to PC and OCR is less than 1.0 sec (depending on PC configuration)
- Exceptionally accurate OCR algorithm to read 1, 2 or 3 lines MRZ
- 1D, 2D barcode reading
- Easy to integrate into any system (SDK included)
- Long lifecycle: no moving parts, no consumables
- Modern LED technology

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Technical specifications

of ARH Kiosk Readers

Technical Specifications of Kiosk Reader ID1

Illuminations

- Visible (White)
- Infra Red (B900)
- UV (UVA) - optional

Optical Specifications

- Image resolution: 450 DPI
- Image colour depth: 24 bits/pixels RGB

Mechanical Data

- Size: 122 x 158 x 115mm (4.80" x 6.22" x 4.53")
- Window size: 87 x 55 mm (3.43" x 2.17")
- Case: metal
- Window glass: 3 mm tempered glass
- Operating temperature: +5°C to +45°C (41°F to 131°F)
- Operating humidity: 0-95% (non-condensing)
- Weight: approx. 0.9 kg (1.98lb)
- No moving parts

Other Specifications

- Interface: USB 2.0
 - Power: from USB
- (in case of UV illumination: 12V DC. External power supply included; 100-240V AC, 50-60Hz)

Technical Specifications of Kiosk Reader ID2

Illuminations

- Visible (White)
- Infra Red (B900)
- UV (UVA) - optional

Optical Specifications

- Image resolution: 380 DPI
- Image colour depth: 24 bits/pixels RGB

Mechanical Data

- Size:
Bottom: 127 x 85 x 235 mm (4.99" x 3.35" x 9.25")
Top: 127 x 164 x 235 (4.99" x 6.46" x 9.25")
- Window size: 109 x 83 mm (4.29" x 3.31")
- Case: metal
- Window glass: 3 mm tempered glass
- Operating temperature: +5°C to +45°C (41°F to 131°F)
- Operating humidity: 0-95% (non-condensing)
- Weight: approx. 1.5 kg (3.31lb)
- No moving parts

Other Specifications

- Interface: USB 2.0
- Power: 12V DC. External power supply included (100-240V AC, 50-60Hz)

Software Development Kit (SDK)

Supported OS

- Windows® 7, Vista, XP, 2003 (32/64bit)
- Linux® (ask for details)

Programming languages

- C/ C++, C#, Visual Basic, Delphi, .NET, Java

Processing time

- Infra image +OCR (MRZ) reading:
under 1,0 sec (depending on PC configuration)

MRZ OCR reading

- Included (ICAO 9303)

VIZ OCR reading

- Included (zones definable by user, ask for details)

2D Barcode reading

- PDF 417, Data Matrix, QR Code, Aztec Code

1D Barcode reading

- EAN8, EAN13, Code39, Code128. Interleaved 2 of 5

Image format

- BMP, JPG, JPG2000, PNG



Technical specifications are subject to change without prior notice

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