

# 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.



IMAGE	PIV2	VIZ	BCX	RFID	SUMMARY	OPTIONS	LOAD	SAVE	RESET
<b>PERSONAL DATA</b>									
GIVEN NAME	VIKTORIA								
SURNAME	KARPATI								
BIRTH DATE	920115								
NATIONALITY	Hungary								
SEX	Female								
<b>DOCUMENT DATA</b>									
DOCUMENT TYPE	ICAO standard Passport. (MRP)								
DOCUMENT NUMBER	YB875845								
TYPE	F								
ISSUE COUNTRY	ARH								
EXPIRY DATE	180301								
<b>STATUS</b>									
8000 INK CHECK	PASSED (1000)								
SECURITY PAPER CHECK	PASSED (1000)								

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

### ARH Inc.

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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: 500 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. 0.96 kg (2.12lb)
- 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. 1.44 kg (3.17lb)
- 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 (32/64bit), Windows® Vista (32/64bit), Windows® XP (32/64bit), Windows® 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

- UPC-A, 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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