ADR100
Photo ID Reader

Fast, accurate, reliable reader scans photo ID cards, driving licenses, residence permits, health cards and tickets

Description

The ADR100 Photo ID Reader captures a full-colour image of the ID card together with ultraviolet* (UV) and, where the option is installed, infrared (IR) images. This device has been designed for indoor and outdoor use, under all lighting conditions and weather – overcast, bright sun, rain.

When a photo ID card is presented to the reader the photograph on the card is automatically detected, cropped and rotated, allowing both the holder's portrait and card images to be displayed right-way-up. When reading an ICAO-compliant driving licence or identity card the Photo ID Reader will also decode its machine readable zone (MRZ).

ID-1 (credit card) sized documents supported by the ADR100 include:

- All US federal and state issued ID cards, such as driver's licenses, photo IDs, voter IDs, social security cards, medical ID cards, immigration IDs and resident permits
- All North American, European and other national driving licences
- All European and other national ID and e-ID cards
- EHIC (European Health Insurance Card)
- Travel tickets.

The ADR100 Photo ID Reader with sample card in slot

Features

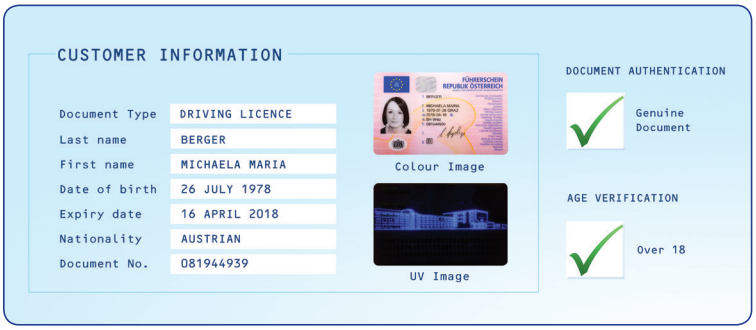
- Full-page capture of credit card sized documents in colour and UV*, with an option to also capture IR greyscale
- Reads ID cards, driving licences and resident permits conforming to ICAO 9303 (IR option required)
- Option to also read 1D and 2D barcodes
- Designed to be used indoors or outdoors
- Audio beep to confirm successful data capture
- Replaceable 4mm toughened and scratch-resistant glass face
- Robust, compact and no-maintenance design.

Applications

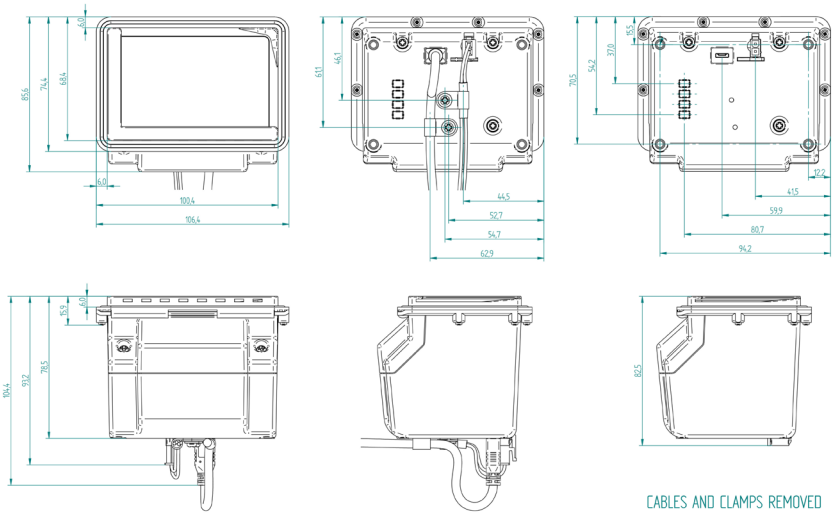
- Integration into self-service kiosks
- Customer identity verification, including age verification and anti-money laundering identity checks
- Virtual teller machines, virtual ticket offices
- Hotel and car-hire registration and identification.

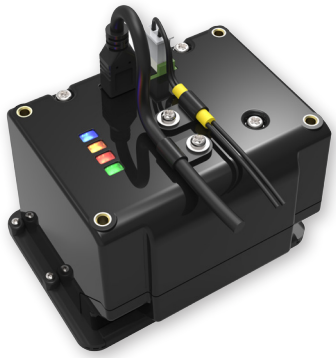
Multi-illumination software features

The ADR100 reader's single-action, simultaneous data decoding ability: decodes MRZ data; scans the document using three light sources; and validates data for accuracy. The device captures ID-1 documents in ultraviolet, infrared and full colour.



Dimensions





ADR100 rear view, showing lighting indicators and cable connections

Specifications

MRZ reading

Light source: white, UV & optional IR LED's

Standard OCR fonts: OCR-B

Travel and identity documents: 2 lines of 36 characters, 3 lines of 30 characters

Image capture

Full-page: JPG, BMP, TIFF, PNG

Resolution: 600 DPI

Options

Light source: InfraRed (IR)

Barcode reading capability:

Linear: EAN / UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128

2D: IATA resolution 792, PDF417, Aztec, DataMatrix and QR codes

Mechanical

External dimensions:

106W x 86H x 79D mm

Body: Black ABS

Glass: 4mm Toughened Platen BS EN60068-2-75 & IEC 62262:2002, rated to 6.375J impact, with AR coating. Scratch-resistant coating options are available.

Weight: 285g excl cable/PSU

Power supply

+24v VDC PSU via Molex connector

Communications and host

Communication: USB 2.0 high speed

Connection: Micro B USB connector

Host: OS Windows XP/7, / Win 32/64 bit; Pentium-4 3GHz and 2GB RAM minimum

Environmental

Temperature: Operating 0°C to 50°C
Storage: 0°C to 60°C

Humidity: 0 to 95% non-condensing

** WARNING – The quality of a UV image can be adversely affected in high brightness conditions due to sunlight being transmitted through a scanned document.*

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