Using Travel & ID Documents for Identity Verification

With increasing population mobility and international migration, the use of ID document readers and validation technologies to capture and authenticate travel & ID documents is becoming standard practice. Technologies previously limited to governmental applications are more frequently being adopted for commercial use to strengthen security and prevent incidences of fraud.

More sophisticated criminality has led to changes in government legislation and business practices that lengthen Know Your Customer (KYC) and Anti-Money Laundering (AML) procedures. These additional steps add strain to the enrolment process and affect both customer and employee experiences.

The use of travel & ID documents to register for access to public, private and financial sector services is becoming ever more common. ID document readers and validation technologies enable individuals, companies and organisations to follow the highest level of assurance standards in accordance with ICAO, NIST and other governmental bodies.

Combining our specialist passport and ID card readers with proprietary and partner software, Access-IS has helped to automate and quicken the process of capturing and authenticating all major types of identity documents, including:

- Passports
- ID Cards
- Driving licences
- Biometric residence permits
- Machine-readable visas.

Together, the use of modern ID documents and advanced document readers reduces the need for trained border security and ID document specialists, saving time and operating costs.
Document Security Features

Travel & ID documents contain information such as the holder’s name, place and date of birth, photograph, date of issue and other information. Advanced security features, sophisticated printing techniques and the inclusion of biometric information embedded on microchips make them machine-readable and difficult to counterfeit.

Biometric Chip Security Features
- Basic Access Control
- PACE
- Passive Authentication
- Active Authentication
- Extended Access Control

Software Solutions

SDK Our document reader Software Development Kit contains all the tools required to take advantage of the full functionality of Access-IS identity document readers. The SDK contains multiple DLLs, sample C++ and C# code, as well as programmer guides and documentation to help speed up integration.

ADRS Access-IS Document Reader Software offers a front end application for capturing images, Machine Readable Zone (MRZ) and barcode data, while simultaneously reading contactless RFID chip data and biometric images – allowing standard document checks of passports and eID documents.

Scan & Fill® The Access-IS Scan & Fill tool helps clients to capture data from machine readable travel documents (MRTD) quickly and accurately – to populate user-defined data fields on web forms and applications without the need for software development or integration.

Data Capture Uses advanced Optical Character Recognition (OCR) technology to retrieve personal data that could previously only be gathered manually from the human readable zones of non-ICAO compliant ID documents and international drivers licences. The Data Capture software supports multiple native languages, including Chinese, Arabic and Cyrillic characters, enabling the fast and accurate capture of information into electronic systems.

Automated Authentication Verifies the authenticity of a document by performing tests on scanned images produced under visible (White), infrared (IR) and ultraviolet (UV) light sources. A wide range of authentication techniques are used for supported documents, performing RFID chip certificate tests and cross-checking data from MRZ, RFID and human readable zones.
Passport and ID card readers

Our range of passport and ID card readers are perfect for countertop, kiosk and OEM integration to quickly and effectively capture and authenticate travel documents, ID cards and driving licences.

ATOM® Document Reader

- Ultra-fast operation with automatic document detection
- Captures high-resolution images with visible, IR and UV illumination
- Reads MRZ from ICAO 9303 compliant documents and ISO 18013 compliant driving licences
- ISO 14443 contactless RFID reader/writer supporting ICAO LDS standards
- 1D/2D barcode reading, including QR, Aztec, PDF417, AAMVA
- Optional Expansion Dock for smart card chip and MSR reading, and SAM modules.

ADR100
Photo ID Reader

- ID-1 credit card sized ID documents and driving licences
- OEM & kiosk integration
- Reads MRZ from ICAO 9303 and ISO 18013 compliant documents
- Captures high-resolution images with visible, IR and UV illumination
- 1D/2D barcode reading, including QR, Aztec, PDF417, AAMVA.

OCR315e/316e
USB OCR Reader/with MSR

- Compact, bidirectional OCR swipe reader
- Reads MRZ from ICAO 9303 and ISO18013 compliant documents
- Optional 3-track MSR conforming to ISO 7811/2-5.