

PRODUCTS

D SCAN[®] Inspection Suite

High-End Document Inspection Software for Document Readers

Universal tool suite for reading and checking e-passports, driver's licenses and other ID credentials powered by AVALON Biometrics



Application Environments:

- Border Control
- Airports
- Rental Car Companies
- Banks
- Hotels
- Mobile Communications

D SCAN[®] Authenticator full page document readers scan ID1, ID2, and ID3 documents and other credentials in one single step without the need to manually reposition the document.

D SCAN Inspection Suite as the Cross Match document reader high-end document verification solution provides a full range tool set to read and verify optical and electronic security features of any kind of ID document and empowers users to benefit from the outstanding image quality and RFID reading capability of

D SCAN Authenticator devices. The fight against illegal immigration, high crime rates and terrorist threats demand a huge effort from immigration and police authorities. As an important part of a complete border control security concept, D SCAN Inspection Suite will support the border control staff during the inspection process.

The verification engine of D SCAN Inspection Suite automatically performs numerous checks for every ID document (e.g. e-passports and even handwritten documents presented on the document reader within seconds. The level and amount of security checking can be defined for each document type using the optional document administrator tool.

With its state of the art technology, D SCAN Inspection Suite supports new electronic ID documents with an integrated RFID chip as well as the checking of even handwritten ID documents.

D SCAN® Inspection Suite

Features

Verification Module:

- Automated Document Identification Service (ADIS) by creating a fingerprint of every trained document
- OCR extraction of the Machine Readable Zone (MRZ) including checksum checking and optional reading of VIZ
- Pattern and color matching function under every standard light source supported by the reader including checking of presence and absence of a certain feature under different light sources
- Included functions to match biometric features stored on RFID chip of an electronic document against live captured biometrics
- Supports reading and decoding of 1D and 2D barcodes: Code 39, Code 128, EAN13, 2/5 Interleaved, PDF417

Functions

- RFID module offers complete cryptographic functionality for reading and verifying contactless chip data of any ICAO Doc 9303 compliant document Passive Authentication (PA), Basic Access Control (BAC), Active Authentication (AA), Extended Access Control (EAC)

Database Module

- Supports Client-Server Multi-User environment as well as stand-alone and web-based system configuration
- Developed on best fit DB technology with JEE2
- Scalable standard based architecture

Database Administrator

- Empowers full user control over the document database
- Allows redefinition and/or refining of every existing document template definition

SDK

- State of the art SOA architecture with easily understandable, powerful and most flexible interface technology
- Verification results in XML format
- Supports Microsoft .NET technologies

Supported D SCAN Hardware

- Authenticator CF

Hardware Requirements

- Pentium dual core 2 GHz processor
- 2 GB main memory
- 40 GB free hard disk space for software including document database

Software Requirements

- Microsoft Windows® XP Service Pack 3
- D SCAN Extensions 1.1.0 (or higher)
- D SCAN Essentials 1.3.0 (or higher)
- Microsoft .NET Framework® 2.0

Benefits

- Document verification solution to read and verify any kind of ID credential depending on the template database used
- Database administrator empowers full control over the document database
- Database administrator including wizards allows easy and fast training of new documents and security features
- Includes best interoperable, fast and reliable RFID reading solution on the market; supports BA, PA, AA and EAC
- SOA system architecture and well documented SDK in .NET technology allows easy integration in any border control management system
- Generic interfaces for PKI integration with proven interoperability

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