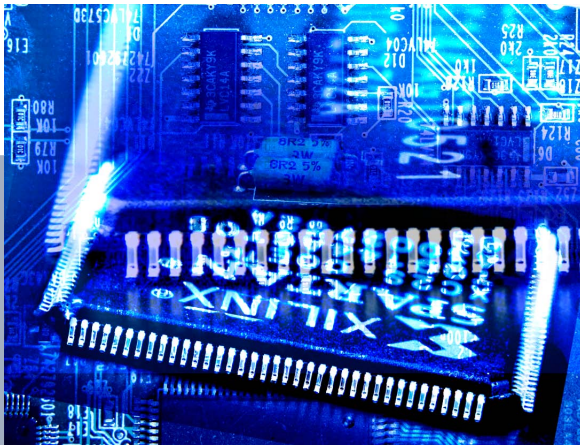


## PRODUCTS

### **D SCAN<sup>®</sup> Essentials**

*Software for Document Authentication Readers*

*Create customized workflows for  
D SCAN Authenticator document readers*



D SCAN<sup>®</sup> Authenticator document readers scan ID1, ID2, and ID3 document formats, and verify the authenticity of ID cards and other credentials. The scanners have RFID reader modules to access data stored in electronic passports, ID cards and other RFID-enabled documents, as specified in ICAO Doc 9303 regulations.

The full-page readers automatically complete optical as well as RFID scans without repositioning the document — regardless of the location of the RFID chip in the electronic document.

D SCAN Essentials software allows experienced system integrators to create their own applications for Authenticator document readers. The software facilitates customized image capture in combination with illumination control and user interface control. This package enables developers to design their own workflows based on their OCR or cryptography technology.

The software is available in a runtime version as well as a software development kit (SDK).

# D SCAN<sup>®</sup> Essentials

## Features

- Enables device independent and unrestricted access to Authenticator document readers
- Allows deployment of several document readers with the same PC
- Provides functionality to implement customer-specific workflows
- Communicates with the integrated RFID reader at APDU level
- Includes human interface control (buzzer, status LEDs)
- Facilitates PC/SC contact smart card access; the necessary drivers are delivered with every D SCAN Essentials runtime CD
- Runtime licenses and software development kit (SDK) available
- Best for experienced system integrators

## Functions

- System integrators can build on their own OCR and cryptographic functionality to implement workflows leveraging Authenticator's D SCAN Essentials software
- Programmable system status of green, yellow, and red LEDs easily guide users
- Access to Authenticator interface elements, including adjustable volume buzzer in Authenticator CF
- Captures images of pre-defined image types

- Images provided as Image Buffer data elements (data structures), region of interest and color depth (up to 24/8 bit) freely definable
- Calibration routines allow background correction and brightness normalization
- RFID data access is the default for Authenticator CF
- Enables low-level RFID reader access on APDU level
- Access to status information of established communication properties
- Current maximum readout transmission rate is 848 Kbps; standardized transmission rates are supported
- Includes hardware anti-collision support according to ISO 14443

## Additional Software: D SCAN Extensions

- Middleware Software for D SCAN Authenticator document readers from Cross Match
- Allows users to acquire MRZ, RFID and barcode data from any kind of ID document within seconds
- Interoperable, fast and reliable RFID reading solution
- Supports Passive Authentication (PA), Basic Access Control (BAC), Active Authentication (AA), European Union Extended Access Control (EAC)

- Well documented SDK, easy to integrate into any application scenario

## System Requirements

- USB 2.0
- Microsoft Windows<sup>®</sup> XP, Service Pack 2
- Microsoft Windows<sup>®</sup> Vista, Service Pack 1
- Windows<sup>®</sup> 7 (32 & 64 bit), current Service Pack
- Processor with SSE 2 instruction set (Intel Pentium 4 or Celeron or better, or AMD Athlon64 or better)
- 1GB RAM minimum

## Benefits

- Allows experienced system integrators to create their own applications for Authenticator document readers
- Software facilitates customized image capture in combination with illumination control and user interface control
- Developers can design their own workflows based on their OCR or cryptography technology
- Software is available in a runtime version as well as a software development kit (SDK)

### Corporate Headquarters:

**Cross Match Technologies, Inc.**  
3950 RCA Boulevard, Suite 5001  
Palm Beach Gardens, FL 33410, USA  
sales@crossmatch.com  
customercare@crossmatch.com

### German Operations:

**Cross Match Technologies GmbH**  
Unstrutweg 4  
07743 Jena, Germany  
international-sales@crossmatch.com  
(Sales EMEA, Asia & Pacific)

[www.crossmatch.com](http://www.crossmatch.com)

Protecting People, Property and Privacy