

PRODUCTS

L SCAN[®] Master

Fingerprint and Palm Print Middleware and SDK

Capture workflows allow fast integration of fingerprints and palm prints into biometric software applications



Application Environments

- Law Enforcement
- Enrollment (e-Passport, e-Visa)
- Biometric Login
- Biometric Access Control
- Border Control
- Civil ID
- Civil Background Check

Biometric screening and identity solutions are critical components of today's security installations.

L SCAN Master is the software middleware capture solution for Cross Match's award-winning fingerprint and palm print capture devices. The software allows integrators to add fingerprint and palm print capture technology to biometric software applications fast and easily.

L SCAN Master's advanced functionality allows customers to focus on business processes and application development.

Cross Match's L SCAN Master software supports any biometric application scenario from enrollment through verification with its predefined capture workflows. Workflows can be modified within seconds without changing the application codes, saving customers valuable time.

L SCAN® Master

Features and Functions

- Capture fingerprint and palm print images through a non-hardware dependant biometric SDK
- Workflow management allows implementation of a structured process for biometric capture that matches the application requirement
- Pre-defined XML workflows for ID Flats Capture, tenprint capture, single finger capture, dual finger capture and palm capture including handling of pre-captured fingerprints and/or missing fingers
- Workflow parameters and workflow steps can be changed and controlled dynamically at processing time, thus enabling a flexible adaption of your application to all customer specific processing requirements
- User application receives status and error message during the capture process
- Configurable image file export for PNG, WSQ, BMP, JPEG
- Image exchange via memory transfer to allow fast image processing and avoid delays during image handling
- Flexible plug-ins infrastructure including out of the box implementations for quality and sequence check: standards for NFIQ (500 ppi) and Aware (500 + 1000 ppi)

- Windows compatible software, can be configured to run as a service account under Windows for biometric login
- Software can be customized with GUI screens to match the existing application and add fingerprint functionality

L SCAN Master SDK

- Supports common Microsoft development technologies, e.g. C++ and all .NET languages
- Documentation manual
- Predefined XML workflow files
- Sample code
- Windows demo application
- Web based ActiveX demo application

Supported Fingerprint and Palm Print Devices

- Guardian®
- Patrol
- L SCAN® 500P
- L SCAN® 1000P
- L SCAN® 1000PX
- L SCAN® 1000T
- Verifier® 320 LC

Hardware Requirements

- CPU – P5, 1 GHz
- 2 GB RAM
- 40 GB free HD space
- Preferable screen resolution:
- 1280 x 1024 (XGA)

Software Requirements

- OS: Windows™ XP 32 bit ,tested with XP Service Pack 3, Windows™ 7 with SP1 32 bit, 64 bit in WOW mode, tested with Windows™ 7 Service Pack 1
- .NET Framework 2.0
- GDI+
- Support of Microsoft® .NET development environment
- SDK demo and sample programs require Microsoft® Visual Studio 2008

Benefits

- Hardware independent development of biometric applications
- Complete control of the capture process via configurable XML workflows
- Standard workflows integrated for almost every biometric fingerprint capture scenario
- Quality and sequence check algorithms for 500 ppi images and optional support of 1000 ppi images
- Easy to integrate and well documented SDK supporting native development technology, e.g. C++ as well as Microsoft .NET Framework
- Software is available as runtime version as well as a software development kit (SDK)

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