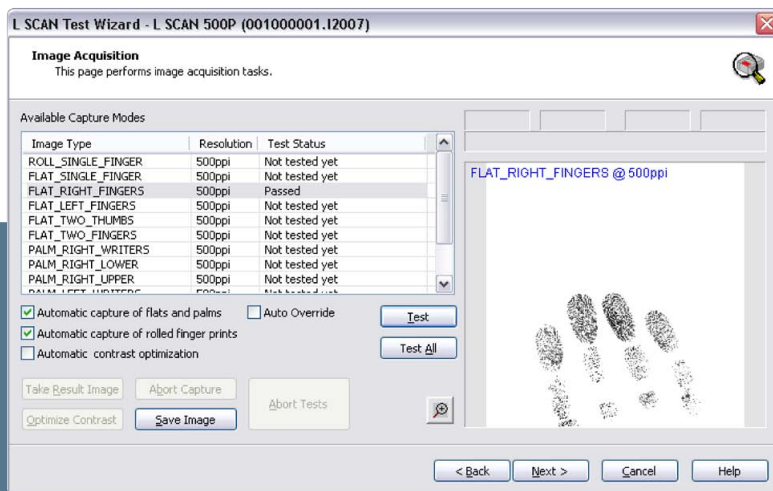


## PRODUCTS

# L SCAN<sup>®</sup> Essentials

Software for Fingerprint and  
Palm Print Scanners



### Supported devices:

- L SCAN<sup>®</sup> 1000PX
- L SCAN<sup>®</sup> 1000P
- L SCAN<sup>®</sup> 1000T
- L SCAN<sup>®</sup> 500P
- L SCAN<sup>®</sup> 100
- L SCAN<sup>®</sup> Patrol
- Guardian<sup>®</sup> products
- SEEK<sup>®</sup>
- Verifier<sup>®</sup> 320

The L SCAN<sup>®</sup> Essentials software provides easy access to fingerprint and palm print devices from Cross Match through the Application Programming Interface (API).

L SCAN Essentials delivers tools to perform tests of scanner functions as well as sophisticated features to guarantee the highest quality fingerprint and palm print images.

L SCAN Essentials is available as a runtime version as well as a software development kit (SDK). With the well documented SDK, L SCAN Essentials allows experienced system integrators to create their own applications for fingerprint and palm print devices.

# L SCAN® Essentials

## Features & Functions

### Auto Capture™

- Automatically captures fingerprints and palm prints
- Built-in quality feedback
- For flat and rolled fingerprints
- Independent of roll direction and roll mode
- Variable and highly configurable capture modes (e.g. regions to track for rolled prints, etc.)

### Perfect Image™

- Generates crystal clear fingerprint and palm print images
- Eliminates condensation and dirt
- Does not modify fingerprint image
- Works independently of number of fingers, image size/resolution and silicone membrane

### Perfect Roll™

- Ensures that only high quality rolled fingerprint images are accepted
- Built-in real-time quality check for slanting fingers, lifting of fingertips, vertical shifting
- Provides user guidance to avoid mistakes during capture
- Takes rolled fingerprints at varying speed
- Configurable quality thresholds for the Auto Capture function

### Optional in-field tests

- Automatic check of compliance to FBI image quality in the field

- Easy to use test procedure requiring no expert knowledge (IQS Wizard)
- Ensures highest FBI image quality performance of the complete unit (optical components, sensor, etc.)
- Easy to enable by software license upgrade
- Available for Guardian, Guardian USB, Guardian T

### Optional spoof detection

- Provides spoof detection functionality to existing Cross Match fingerprint scanners
- Configurable FAR/FRR according to application by provided DET curves for each scanner
- Available for Guardian, Guardian USB, Guardian T (all with or without membrane)
- Verifier 320 (with membrane) and L SCAN 100 (without membrane)

## System Requirements

### Operating Systems

- Windows XP, Vista, 7 (32 bit systems)

## Software Components

### Test and software updating tools

- Test Wizard to retrieve and analyze all status information from PC, device and software
- Firmware updater
- Software license updater

- IQS Wizard for automatic FBI image quality checks
- TTrace application for troubleshooting analysis

## Documentation & Sample Applications

- Complete description of all API functions and return codes
- Sequence diagrams
- Configuration files
- Sample applications including C++ source code & Visual Studio 2008 project files
- Test clients for testing API functions and workflows
- Revision history

## Benefits

- One SDK for all Cross Match finger and palm print devices
- Comprehensive toolbox for software integration tests
- Configurable parameters for individual design/workflows of customer application
- Flexible upgrades with optional software features
- Easy to integrate API
- Compatible to Cross Match middleware like FAST or L SCAN Master
- Proven reliability

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Protecting People, Property and Privacy