

HID® L Scan™ Essentials

Fingerprint and Palm Print Capture SDK

HID L Scan Essentials Software Development Kit (SDK) provides Microsoft Windows and Linux compatible components that allow application developers ready access to biometric functions provided by HID tenprint, dual finger and palm print scanners.

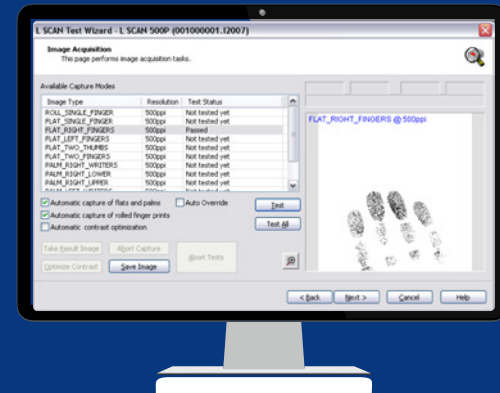
The SDK offers easy access to fingerprint and palm print devices from HID through the Application Programming Interface (API). These tools are provided for use by system administrators or service technicians.

L Scan Essentials SDK provides tools to perform tests of scanner functions as well as sophisticated features that guarantee the highest quality capture. Experienced livescan system integrators can create their own applications for tenprint, dual and palm print scanners.

Several sample applications, including source code, help developers understand the processes as well as guide them through software development scenarios.

Comprehensive documentation covers all aspects of developing the device control and setting up the configuration, as well as using the tools. Examples include:

- SDK usage
- API interface functions
- API return codes
- Sequence diagrams
- Configuration files
- Logging functionalities
- Sample applications
- Revision history
- Known issues
- Supported devices



BENEFITS:

- One SDK for all HID tenprint, dual finger and palm print scanners
- 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 with HID BioCore Middleware

HID L Scan Essentials SDK

Product Name	L Scan Essentials SDK
Auto Capture	Automatically captures fingerprints (flat and rolled) and palm prints and provides quality assessment and feedback
Perfect Image	- Generates crystal clear fingerprint and palm print images while eliminating condensation and dirt without modifying the 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
FlexFlat	- Enables to capture flat fingers anywhere on the image capture area - Applicable for single, dual or four fingers - Supported by Guardian 100, Guardian 200, L Scan 500 and L Scan 1000
FlexRoll	- Enables to capture roll fingers on the entire width of the image capture area - Works independent of roll direction and roll capture mode - Supported by Guardian 200, L Scan 500 and L Scan 1000
Presentation Attack Detection	- Provides spoof detection functionality to existing HID fingerprint scanners - Configurable FAR/FRR according to application by provided DET curves for each scanner
SYSTEM REQUIREMENTS	
Operating Systems	Windows 10, Windows 11, Linux® Ubuntu® and RHEL
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; TTrace application for troubleshooting analysis
DOCUMENTATION AND SAMPLE APPLICATIONS	
	Complete description of all API functions and return codes; Sequence diagrams; Configuration files; Sample applications including C++ source code & Visual Studio project files; Test clients for testing API functions and workflows; Revision history
SUPPORTED DEVICES	
	HID L Scan 500 and 1000 HID Guardian™ 45, 100, 200, Module HID Patrol

Data subject to change without notice.



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