

Complete Capture-to-Booking System

LiveScan



The LiveScan products from NEC offer the latest biometrics technology to meet civil and law enforcement identification demands.

Overview

NEC's LiveScan provides the ability to dynamically set data interchanges and business rules, quickly attain FBI certifications, and adapt to new scanner hardware. In addition, the products provide immediate NFIQ (National Institute of Standards and Technology Fingerprint Image Quality) rating feedback with Rescan Management™, and switch seamlessly into multiple languages. NEC's LiveScan allows for quick adaptation to legislation changes and law enforcement needs, and minimizes redundant data entry through a full, two-way XML data interchange. Moreover, the LiveScan software is easily supportable with single-click automatic upgrades and centralized software monitoring capabilities, enabling rapid deployment with minimum technical or biometrics expertise required.

As a pioneer and a leading provider of biometrics identification technology for more than 30 years, NEC offers a complete capture-to-booking solution with the LiveScan system that provides the highest level of speed and accuracy required by law enforcement agencies.

LiveScan provides the capability to capture fingerprints into a digitised format.

LS 200 Applicant Processing

Leveraging the latest technology, LS 200 offers the following advanced features:

- Certified to meet the IAFIS Image Quality Specifications (IQS) and are compatible with IAFIS
- AccuKeystroke™ descriptor entry function prevents the operator from making an invalid text entry; reducing time, frustration and submission rejections
- Driver License Reader captures all information about the applicant without the hassle of typing in the information manually, which ultimately improves data entry accuracy
- HandGuider™ technology precisely guides the operator to position the fingerprints accurately and consistently. The operator will be notified immediately when fingerprints are captured out of sequence, allowing for fingerprint image reposition without having to rescan. Login to any computer and pick up where you left off
- Automatically and individually contrast each fingerprint image to ensure the best possible images are taken
- Personalised AutoCapture capability allows each operator to set the auto capture timing at their comfort level and eliminates the need for foot switch during capture
- RapidQC™ technology visually displays all fingerprint capture performance, allowing every operator to achieve excellent results
- Quality algorithm detects backend matching system performance through complex neural network logic
- XML-based business logic engine eliminates the need to modify the source code when new rules are applied.



LS 300 Criminal Processing

In addition to the cutting-edge features of the LS 200, the LS 300 system offers these advanced capabilities for criminal processing to help improve Homeland Security and public safety:

- Biometrics logon that rapidly and accurately identifies the operator and permits access.
- Fingerprint-based pre-booking to ensure reliable suspect identification rather than relying on suspect claims
- PrecisePrint™ technology that allows administrators to easily fine-tune the descriptor positions through XML when card stock changes.



LS 400 Kiosk Solutions

Designed with ease-of-access and convenience in mind, the LS 400 offers the following features:

- All steel construction with powder-coated paint finish designed for the toughest environment
- Peripheral access panel to accommodate equipment like magnetic stripe reader, barcode reader and signature pad
- Easy service access with front and back doors
- Pre-wired for electrical, foot pedals and monitor
- Multi-configuration surface area for monitor and camera enclosure
- Adjustable scanner height positioning system, multi-configuration monitor and camera mounting mechanisms and open surface area that provide optimum convenience for housing any of the fingerprint or palmprint scanners in the LiveScan product family.

**LS 400 Kiosk**

Accuracy

With no ink involved in the booking process, NEC's LiveScan system provides a better way for individuals to produce consistently high quality fingerprint images.

It prevents many of the problems associated with ink prints, such as smudging, smearing and over- or under-inking; therefore, reducing rejection rates.

Interoperability

The LiveScan products have evolved from standalone capture devices to sophisticated systems integrated with multiple databases. Images can now be captured, transmitted to a central location, and/or interfaced with an Automated Fingerprint Identification System (AFIS) for identification processing.

When connected with an AFIS, NEC's LiveScan can automatically initiate electronic transmission to state and local AFIS, remote identification bureaus and the FBI, which streamlines the entire criminal checking process.

Speed

A major benefit of NEC's LiveScan products is processing speed. Digitizing the fingerprint images enables them to be transmitted electronically in a matter of seconds, instead of the days required to send hard copy fingerprint cards through the mail.

The LiveScan image-capture process features a preview capability, allowing each fingerprint to be displayed real-time during capture, providing immediate positive identification often while the booking is still in progress.

Easy to Use

NEC's LiveScan system features an intuitive user interface and an easy-to-follow menu that requires minimal training and accelerates user adoption.

With NEC's LiveScan, finger-image capture, printing, storage and transmission are accomplished at one ergonomic workstation, making it very easy to use — even for users who have no prior experience.

Minimum Computer Specifications

Tenprint Capture

- Intel® Pentium 4, Pentium M, Celeron (2.66MHz or higher)
- 512MB RAM, 30+ GB hard drive
- 1024x768 screen resolution (fast video card recommended)
- Windows® XP (Professional Edition recommended)
- IEEE 1394 interface (a.k.a. Firewire Interface).

Tenprint + Palmprint Capture

- Intel Pentium 4 (2.8MHz or higher)
- 1GB RAM, 40+ GB hard drive
- 1024x768 screen resolution (fast video card recommended)
- Windows XP (Professional Edition recommended)
- IEEE 1394 interface (a.k.a. Firewire Interface).

* Note: A dedicated PC and touch screen monitor are strongly recommended.

Why choose NEC?

- A leading supplier and integrator of information and communications technology solutions to organisations of all sizes, from small and medium sized business (SMB) to large corporations
- Local experience with more than 40 years in the Australian market
- Over 100 years of global expertise and leading innovation
- Backed by a regional network of NEC offices and support partners across Australia and New Zealand
- NECare, NEC Australia's support services organisation, is relied on by more than 11,000 customers across Australia and the Asia Pacific region
- Environmentally friendly company policy
- A reliable, stable business partner for your organisation.

For more information, visit www.nec.com.au, email contactus@nec.com.au or call 131 632

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