Livescan Station

SmartScan™ - The biometric industry’s most advanced multimodal capture solution

At a Glance

- Easy to use with Microsoft® Windows® 10 & 11 Operating Systems
- Superior image quality checks via NEC and National Institute of Standards and Technology (NIST) algorithms
- Easy to administrate with Livescan Management Service
- Different hardware choices regarding configurations, computers and displays, and capture peripherals
- Rapid DNA compatible

Overview

The key to keeping communities safe is accuracy, reliability and speed with solutions that help you protect the public when it counts.

The problem with livescan stations is they haven’t changed much in 20 years. They suffer from an obsolete design, outdated user interface, lack of security features and poor maintainability.

NEC’s SmartScan solution is different and can help take state and local law enforcement to the next level. It offers a modern, user-friendly interface with both Microsoft Windows 10 & 11 operating systems. Touch screens, with swipe and pinch-and-zoom functionality, are familiar to operators. This modern, intuitive interface guides the operator through the record creation process minimizing errors and increasing efficiency.

The user is guided through the enrollment creation workflow on an innovative, ergonomically designed and height-adjustable “UnCabinet.” The UnCabinet includes large 22 inch displays, prominent foot pedals to make capturing images hands-free, and a flexible configuration based on the needs and price point of a department, agency or organization.

The result is a fresh, new approach to a multimodal biometrics capture solution. NEC’s SmartScan is Livescan Made Smart!

Solution

NEC’s SmartScan produces superior quality images from a variety of biometric captures using top-tiered hardware and validates using both NEC superior and standard NIST image quality checks. It requires less training and has lower rejection rates leading to higher productivity and guaranteed service level agreements. And now SmartScan supports Rapid DNA collection during arrest bookings including exchanging of the FBI AEF XML file.

SmartScan Stations can be delivered in different configurations from cabinet, desktop and portable, and depending on the needs of a department or agency, our solution offers support for many different peripherals and modes of capture:
• Articulating Arm, IrisID R100 and CMI Tech EF-45 readers for Iris Capture
• Bio-Logon, Voice Capture and Audio-Visual Chatting via Logitech® Brio 4K HD Webcam
• Improved Mugshot and scars, marks and tattoos (SMT) Capture per Evolving NIST Best Practice Recommendations and Additional Camera Devices from Canon, CMI Tech, IrisID and Logitech
• Comprehensive Friction Ridge Capture including all fingerprints and palmprints using either Crossmatch, Integrated Biometrics, JENETRIC and THALES livescan decks
• Supplemental signature capture as well as credential, barcode and magstripe reading of IDs, driver’s licenses and smartcards are also available as an optional feature from a from a variety of devices

Security and Complete Customer Care

With so much personal data captured, NEC’s SmartScan system must be secure from malware, hacking and unauthorized access. Multifactor authentication and virtualization-based security is available to protect credentials, roles and system privileges. FIPS 140 encryption is supported as well.

NEC’s SmartScan includes centralized management for local and remote control for system administrators to manage the system and remotely assist operators during the record creation process. Additionally, remote audio and video chat capability is available.

NEC’s U.S.-based NEC Customer Service Centers provide comprehensive, 24/7 multilayer customer support from our highly experienced engineers for problem tracking and resolution, as well as advanced remote diagnostics, ensuring the our customers get the information and help they need without delay.

Innovative Force in Identification

For more than 30 years, NEC has been a world leader in integrated biometric identification systems. The unparalleled identification matching accuracy and speed of our fingerprint, facial and iris recognition technologies have been independently verified by NIST. NEC globally provides “Solutions for Society” that promotes the safety, security, efficiency, and equality of society. Under our brand statement, “Orchestrating a Brighter World,” NEC creates the social values of safety, security, fairness and efficiency to promote a more sustainable world where everyone has the chance to reach their full potential. NEC’s SmartScan enables agencies for biometric capture, enrollment and identification to improve and modernize their operations.

Proven Benefits for Federal and Law Enforcement Agencies

• Ease and Effective Use: User interface based upon and secured by the latest Microsoft Windows 11. Web browser allows remote management and control by system administrators
• Superior Image Quality: Capture any biometric image using tiered hardware and validate using both NEC superior and standard NIST image quality checks
• Great Return on Investment: Agency users can quickly learn NEC’s SmartScan software to process more applicants, arrestees and offenders in less time and with fewer number of workstations
• Rapid DNA Capable: Supports integrated workflows with Rapid DNA OEM Devices to exchange common booking data

Key Product Features

<table>
<thead>
<tr>
<th>From Factors</th>
<th>Cabinet, Desktop and Portable</th>
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<tr>
<td>Multimodal Biometric Capture</td>
<td>Fingerprint: Flat, Slap and Rolled Palmprint: Upper, Lower and Writers Mugshots: Facial, Profile, Obliques with/without Glasses SMTs: All Categories, Locations and Types Iris and Signatures</td>
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<td>Supported Peripherals</td>
<td>Canon EOS Rebel, M6 &amp; PowerShot Models CMI Tech EF-45 Crossmatch Guardian 100 &amp; 200 Crossmatch LScan 500 &amp; 1000 Integrated Biometrics KOJAK &amp; Five-O IrisID ICAM R100 JENETRIC Livetouch Quattro Logitech Brio and Rally Webcams THALES CS500 and CS1000</td>
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<td>Data Entry and Reading</td>
<td>Alphanumeric Keyboard &amp; Numeric Pad 1D/2D/QR Barcodes &amp; Track Magnetic Stripe RFID from eMRTDs</td>
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<tr>
<td>Command, Control &amp; Navigation</td>
<td>3 Button Scroll Mouse Cursor Keypad or Joystick Trackball or Touchpad USB Footpedals Windows Touchscreen</td>
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<tr>
<td>Computing</td>
<td>Intel i5 or i7 (Recommended) Microsoft Windows 10 &amp; 11 Pro</td>
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<tr>
<td>Networking</td>
<td>Wired LAN 802.3 Wireless LAN 802.11b/g/n 3G/4G/5G Cellular</td>
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<tr>
<td>OS Compatibility</td>
<td>Microsoft Windows 10</td>
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<td>Environment</td>
<td>Operating Temperature: 50°F to 86°F (10°C to 30°C) Storage Temperature: 32°F to 105°F (0°C to 40°C) Humidity: 10% - 95% RH (non-condensing)</td>
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<tr>
<td>Certifications</td>
<td>FBI IJS Appendix F to FAP 45 and PIV Energy Star &amp; FCC Certification Part 15 Class A RoHS2 Directive 2011/65/EC UL 60950-1</td>
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