Livescan Station

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

**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 They suffer from an obsolete design, outdated user interface, lack of security features and poor maintainability.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 the Microsoft Windows 10 operating system. Touch screens, with swipe and pinch-and-zoom functionality, are as familiar to operators as using their mobile devices. This modern, intuitive interface guides the operator through the record creation process minimizing errors and increasing efficiency.

The user is guided through the record creation workflow on an innovative, ergonomically designed and height-adjustable “UnCabinet.” The UnCabinet includes large 22” 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.

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 and 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 SMT (scars, marks and tattoos) 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 and Green Bit devices as well as Integrated Biometrics and JENETRIC
• Supplemental signature capture, barcode and magstripe reading of IDs, driver’s licenses and smartcards are also available as an optional feature from a variety of devices

Security and Complete Customer Care

With so much personal data captured, NEC’s livescan 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.

NEC’s SmartScan includes centralized management for local and remote control plus a convenient chat function for system administrators to manage the system and remotely assist operators during the record creation process.

NEC’s U.S.-based Customer Service Centers provide comprehensive 24x7 multivendor customer support from our highly experienced engineers and developers for problem tracking and resolution, as well as advanced remote diagnostics, ensuring that 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, high availability biometric identification systems. The unparalleled identification matching accuracy and speed of our fingerprint and facial recognition technologies have been independently verified by NIST. NEC globally provides “Solutions for Society” that promote the safety, security, efficiency, and equality of society. Under the company’s corporate message of “Orchestrating a brighter world,” NEC aims to help solve a wide range of challenging issues and to create new social value for the changing world of tomorrow.

Proven Benefits for Federal and Law Enforcement Agencies

• Ease and Effective Use: User interface based upon and secured by the latest MS Windows 10. Web browser allows remote management and control by system administrators
• Superior Image Quality: Capture any biometric image using top-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

Key Product Features

<table>
<thead>
<tr>
<th>From Factors</th>
<th>Cabinet, Desktop and Portable</th>
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<tbody>
<tr>
<td>Multimodal Biometric Capture</td>
<td>Fingerprints: Flat, Slap and Rolled Palmprint; Upper, Lower and Writers; Mugshots: Facial, Profile, Obliques with/without Glasses; SMTs: All Categories, Locations and Types of Signature</td>
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<tr>
<td>Supported Peripherals</td>
<td>Canon EOS Rebel DSLR Models &amp; PowerShot SX70 HS; CMI Tech EF-45; Crossmatch Guardian 100, 200 and USB; Crossmatch LScan 500 and 1000; Green Bit DaftyScan B4 Models &amp; MultiScan 527; Integrated Biometrics KOJAK; IrisID iCAM R100 and Series 7 Readers; JENETRIC Livetouch Quattro Models; Logitech Brio and Pro Webcams</td>
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<td>Data Entry and Reading</td>
<td>Alphanumeric Keyboard 1D/2D/QR Barcodes; 3 Track Magnetic Stripe RFID from eMRTDs</td>
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<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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<td>Computing</td>
<td>Intel i5 or i7; Microsoft Windows 10 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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<tr>
<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% to 95% RH (non-condensing)</td>
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<td>Certifications</td>
<td>FBI IQS Appendix F to FAP 45 and PIV Energy Star; FCC Certification: FCC Part 15 Class A; RoHS2 Directive 2011/65/EG; UL 60950-1</td>
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About NEC Corporation of America: Headquartered in Irving, Texas, NEC Corporation of America is a leading technology integrator providing solutions that improve the way people work and communicate. NEC delivers integrated Solutions for Society that are aligned with our customers’ priorities to create new value for people, businesses and society, with a special focus on safety, security and efficiency. We deliver one of the industry’s strongest and most innovative portfolios of communications, analytics, security, biometrics and technology solutions that unleash customers’ productivity potential. Through these solutions, NEC leverages a robust partner ecosystem to solve today’s most complex business problems. NEC Corporation of America is a wholly-owned subsidiary of NEC Corporation, a global technology leader with a presence in 160 countries and $25.2 billion in revenues. For more information, visit necam.com.

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