

## Biometric Capture and Processing

# SmartScan™



The NEC SmartScan™ Multimodal Capture Solution provides superior biometric capture capabilities integrated with NEC's latest biometric quality evaluation algorithms. Its modular solution architecture provides the flexibility, reliability, and speed that arrest and/or applicant background processing requires and can support a wide variety of modality captures.

## At a Glance

- Multimodal biometric capture (fingerprint, mugshot/face, scars, marks, tattoos (SMTs), iris, and signature images)
- Supports 1D/2D barcode and magnetic stripe reading (driver licenses and passports)
- Multiple hardware configurations and flexible capture station operation
- Hardware agnostic solution easily integrates with third-party, FBI certified biometric capture devices
- Rapid DNA Compatible for Arrest Event File Exchange

## Overview

The NEC SmartScan system is actively used by federal, state, and local government law enforcement and civil agencies for applicant background checks, biometric enrollment, criminal arrest bookings, offender registrations, and other use cases that require reliable, high quality biometric and biographic data capture.

SmartScan is designed to be a sleek, scalable, secure, and easy-to-operate capture solution. The SmartScan application can be rapidly modified responding to changing system and business requirements, while minimizing the impact to system and user operations. Furthermore, the solution can be configured and customized to meet different operational concepts, use cases, and scenarios.

The SmartScan Station is available in cabinet, desktop, and transportable configurations which include the computing platform, capture peripherals, and software required to collect, format, and transmit biographic and biometric data such as fingerprints, palmprints, mugshot/face, SMTs, signature and irises. Its flexible and modular architecture meets operational priorities while providing the adaptability to adhere to agency-specific business processes and interoperability standards.

## Proven Agency Benefits

- **Ease and Effective Use:** User interface optimized for the latest Microsoft® Windows® 10 and 11 platforms. Web-based remote management and control by system administrators
- **Superior Image Quality:** Captures biometric images using both NEC and NIST standard 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 with fewer workstations

## Key Product Features

<b>Form Factors</b>	Cabinet, Desktop & Transportable
<b>Multimodal Biometric Capture</b>	Fingerprints, Palmprints, Mugshot/Face (frontal, profiles, with/out glasses) SMTs, Iris, Signature
<b>Supported Peripherals</b>	AccessIS Credential Readers, Canon EOS & PowerShot Digital Cameras, Crossmatch Guardian & L Scan Capture Decks, Thales CS500F & CS500Q Capture Decks, Integrated Biometrics Kojak Capture Deck, Datalogic Barcode Readers, Iris ID Series 7 & R100 Iris Readers, Logitech Brio, Rally & B900 Webcams, Signotec and Topaz Signature Pads, Sony SNC & SRG IP PTZ Cameras
<b>Computing</b>	Intel i5 or Better CPU 16 GB or More Memory 256 GB or More Storage
<b>Networking</b>	Wired and Wireless Configurations Supported
<b>OS Compatibility</b>	Microsoft® Windows® 10 and 11 Pro
<b>Environment</b>	Operating Temperature: 50° F to 86° F



## Innovative Force in Identification

NEC pioneered biometric research, and has been a world leader in integrated, high-availability biometric identification systems for over 30 years. The unparalleled identity matching accuracy and speed of NEC's face recognition technologies have been independently verified by NIST. NEC's other top-ranked biometric identification modalities include fingerprint, palmprint, voice, and iris. Under the company's corporate ethos, "Orchestrating a Brighter World," NEC aims to help solve challenging issues and to create new social value for the world of today and tomorrow.

**Corporate Headquarters (Japan)**  
NEC Corporation  
[www.nec.com](http://www.nec.com)

**North America (USA & Canada)**  
NEC Corporation of America  
[www.necam.com](http://www.necam.com)

**NEC Software Solutions**  
NEC EMEA Region  
[www.necsws.com](http://www.necsws.com)

**APAC**  
NEC Asia Pacific Pte Ltd  
[sg.nec.com](http://sg.nec.com)

**Latin America**  
NEC Latin America  
[latam.necam.com](http://latam.necam.com)

**About NEC Corporation Of America:** NEC Corporation of America (NEC) is a leader in the integration of IT and network technology that benefit business and people around the world. By utilizing the company's experience and global resources, NEC's advanced technologies meet the complex and ever-changing needs of its customers. NEC brings over 120 years of expertise in technological innovation to empower people, organizations and society. 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. [www.necam.com](http://www.necam.com).