\Orchestrating a brighter world

NEC

Streamlined Biometric Capture and Processing

NEC 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.
- Compatible with Rapid DNA collection during arrest booking.

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 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. 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 (scars, marks, tattoos), 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.

Key Benefits

Easy, Effective User Interface: User interface based on and secured by the latest Microsoft® Windows® 10 and 11 platforms. Web browsers allow remote management and control by system administrators.

Superior Image Quality: Captures biometric images using both NEC and NIST image-quality checks.

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

Form Factors	Cabinet, Desktop & Transportable
Multimodal Biometric Capture	Fingerprints, Palmprints, Mugshot/Face (frontal, profiles, with/out glasses) SMTs, Iris, Signature
Supported Peripherals	AccessIS Credential Readers, Canon EOS & PowerShot Digital Cameras, HID Guardian & L Scan Capture Decks, Thales CS500f & CS500q Capture Decks, Integrated Biometrics Kojak, Sherlock, and Mannix Capture Decks, Jenetric Livetouch Quattro Capture Deck, Xperix RealScan-G10 and RealScan-FC Capture Decks, Datalogic Barcode Readers, Iris ID Series 7 & R100 Iris Readers, Logitech Brio & Rally Webcams, Signotec and Topaz Signature Pads
Computing	Intel i5 or Better CPU 16 GB or More Memory 256 GB or More Storage
Networking	Wired and Wireless Configurations Supported
OS Compatibility	Microsoft® Windows® 10 and 11 Pro
Environment	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.

To learn more about SmartScan, fraud prevention, multi-modal biometrics identification systems or other solutions for state and local government, please visit NECAM.com/stateandlocal.

Source:
*NEC Face Recognition Technology Ranks First in NIST Accuracy Testing
Ranked #1 since 2009 through 2024 in face recognition benchmark tests conducted by the U.S. National Institute of Standards and Technology (NIST).

NEC Corporation of America