NEC National Security Systems Capabilities Statement

Transforming Government Security: Access, Borders & IDs

NEC National Security Systems (NSS) brings an unmatched legacy of innovation and exceptional service to the U.S. government. As a subsidiary of NEC Corporation of America, NSS is backed by an estimated $1 billion annually in R&D. Plus, our ability to leverage NEC's 47,000 patents allows us to address immediate and emerging customer gaps.

Harnessing the latest advancements in AI and deep learning, NEC NSS offers a comprehensive suite of solutions for next gen identity verification, scene processing, advanced analytics, physical security, and access management. Trusted by U.S. government agencies, our technologies identify threats, secure restricted sites, provide perimeter detection, and recognize suspicious data patterns.

Poised for the Future

NEC NSS is poised to compete for and support classified programs in defense, homeland security, and the intelligence community. Our integrated hardware and software solutions support some of the U.S government's most critical missions, including those of the Department of Homeland Security (DHS), Department of Defense (DOD), Department of State (DOS), Department of Justice (DOJ), and the U.S. Intelligence Community (IC).

Smart Access

Smart Access solutions instantly screen for identity as individuals approach Access Control Points (ACPs), secured facilities, or restricted areas without physical ID cards or fingerprints.

NEC biometrics for face, iris, fingerprint, finger vein, and palm print are consistently rated at the top of their class by the National Institute of Standards and Technology (NIST). * Our advanced biometrics algorithm is the basis of all our solutions to verify (1:1) people in a data set or identify (1:n) people who are not known.

* _Ranked #1 since 2009 through 2025 in face recognition benchmark tests_ conducted by the U.S. National Institute of Standards and Technology (NIST).
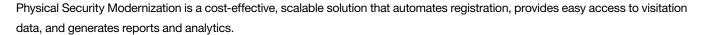
NEC Fiber Optic Smart Sensing (FOSS)

With over 20 years of experience in transoceanic optical fiber transmission, combined with AI-based analytics and advanced distributed fiber optic sensing technologies, NEC FOSS solution offers unobtrusive, low maintenance, and high-precision detection capabilities. This easily scalable solution allows users to monitor environmental conditions and events in real-time, detect threats, prevent disruptions, and reduce the cost of infrastructure operation, monitoring, and repair.

Physical Security Modernization

The Physical Security Modernization solutions offer a more efficient use of personnel and budget resources because the technology suite can be deployed for a variety of uses across military bases, airports, seaports, and border crossings, including:

- Vehicle gate access
- Pedestrian checkpoints, kiosks, and turnstile gates
- Common- or restricted-area access and monitoring
- Office access management
- Secure/classified location access
- Watchlists and real-time threat monitoring

Physical Security Modernization is a cost-effective, scalable solution that automates registration, provides easy access to visitation data, and generates reports and analytics.

NEC Intelligent Perimeter Intrusion Detection System (IPIDS)

With a low total cost of ownership, NEC IPIDS provides real-time situational awareness, allowing a swift and effective response to potential intrusions. NEC IPIDS advanced technology can detect physical intrusions and disturbances along land borders, property boundaries, and facility perimeters, whether above ground or underground. The ability to withstand even the toughest elements significantly reduces maintenance and security resources to better manage operational and capital budgets.

NEC Digital ID

Our Digital ID solution is safe, secure, efficient, and with privacy at the core. Visitors enroll using mobile devices by snapping a selfie and scanning their passport, driver's license, employee badge or other traditional ID. This swift and user-friendly process transforms their face into a unique Digital ID, unlocking a multitude of applications, enabling secure, personalized, and interoperable identity profiles. From secure and easy check-in to face pay and a walk-through facility access, the user is always in control of whether to share their Digital ID.

Multimodal Biometrics

Streamline the process of capturing biometric data for applicant background checks, biometric enrollment, criminal arrest bookings, offender registrations, and more. The NEC SmartScan™ Multimodal Capture System records face, finger, iris and signature images, as well as supporting 1D and 2D barcode reading. The service-oriented architecture (SOA) provides the flexibility, reliability, and speed that applicant/background processing requires. Its modular architecture supports additional biometric modalities, such as face and iris.

By incorporating AI, advanced algorithms, and deep learning techniques, these biometric and access management solutions will continuously evolve and adapt to the ever-changing physical security landscape, ensuring enhanced protection and peace of mind for individuals, organizations, and government agencies.

To learn more about access management and other innovations in automated recognition, real-time situational awareness, and identity intelligence, visit NEC National Security Systems at NECNSS.com.

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