



National Security Systems
An NEC Company

Contactless Access Solution for Pedestrians and Vehicles Biometric Base Access Solutions



NEC's biometric Base Access Management (BAM) provides military installations with fast, accurate identity screening and verification using its award-winning face recognition technology. BAM can identify individuals—whether they are on foot or inside vehicles—as they approach Access Control Points (ACPs), secured installation facilities, or restricted areas, without requiring physical identification cards or fingerprints.

BAM supports more efficient use of personnel and budget resources, as it can be deployed for a variety of uses across the military facility 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

Additionally, NEC can integrate thermal sensing cameras into BAM to identify elevated body temperatures (EBT) at a distance.

BAM's ability to identify pedestrians or individuals through vehicle windshields at entry points of military facilities helps to expedite base access and eliminate long wait times and lines. It can streamline security operations at entry and exit points at military bases and other locations such as airports, seaports, and border crossings. Use of this efficient, accurate identification solution reduces long vehicle and pedestrian queues, thus reducing soft-target opportunities for bad actors.

Overview

BAM can be deployed on-premise or in the cloud using the secure NEC Digital Platform (NDP), which enables remote management of the solution. The platform enables multiple ACPs throughout an entire military base to be managed simultaneously, ensuring secure, efficient base access. The accessibility and safety of entry/exit points, common areas, and offices—installation-wide—can be managed through a single system.

At a Glance

- **Uses NEC NeoFace® technology, proven the industry's most accurate face recognition solutions**
- **Operates on-premise or in the cloud**
- **Provides contactless access**
- **Allows localized management of user access policies and optional cloud-based remote management**
- **Detects elevated body temperature (EBT) (added feature)**
- **Integrates with third-party external systems to identify individuals on security watchlists**

BAM services easily integrate with current access solution providers and centralized controllers, which reduces the friction of introducing a new control platform into existing access policies. The NDP provides a secure foundation for all NEC digital identity management solutions, including biometric matcher orchestration and identification, interoperability, and numerous other advantages.



NEC's NeoFace® Technology
Consistently Ranked As #1 Provider
of Face Recognition Algorithms by
NIST*

Best Technology, Most Accurate

NEC's NeoFace® biometric technologies are consistently proven to have the fastest and most accurate face recognition algorithms available, based on independent benchmark testing conducted by the National Institute of Standards and Technology (NIST).* NIST's independent tests also conclude that NEC's face recognition technologies are the most resilient to low-resolution images and viewing angles, as well as poor image quality. Of critical importance are NIST results that show NEC's algorithms provide the highest accuracy in age, gender, and race—results dramatically superior to our competitors.** A rapid-capture biometric technology designed to operate with readily available commercial hardware and software, NeoFace solutions deliver superior performance at a competitive price.

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.

Key Product Features

Biometric Technology	NEC NeoFace®
Face Recognition Sensors	Dual 3.1MP Color Cameras, ADA-Compliance
Operating System	Microsoft® Windows® 10 Professional x64
Processor	Intel 10th Generation
Connectivity	Wired or Wireless Network



(*<https://www.necam.com/AdvancedRecognitionSystems/NISTValidation/FingerprintFacial/>)

(**<https://nvlpubs.nist.gov/nistpubs/ir/2019/NIST.IR.8280.pdf>)

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NEC National Security Solutions, Inc. (NSS), is a leading provider of biometric identity and AI technology for federal government agencies in defense, intelligence, law enforcement, and homeland security agencies. Based in Arlington, Va., NSS deploys proven groundbreaking technology for access control, identity verification, scene processing, advanced analytics, fiber optic sensing, border control and transportation security, among other applications. The company was launched in 2020 as a wholly owned subsidiary of NEC Corporation of America and will operate under a Special Security Agreement (SSA) with the US Government as a FOCI-mitigated entity, free of foreign ownership, control, and influence. It provides full-service solutions for large agencies using the intellectual property and resources of the global NEC brand. The NEC Corporation invests an estimated \$1.01 billion annually in R&D, holds 47,000 patents, and has more than 110,000 employees in 160+ countries. For more information, please visit www.necss.com.

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