

Fast, Frictionless Identity Verification for High Traffic Areas

NEC NeoFace Express Lite Next Generation

Overview

NEC NeoFace Express Lite (NFE Lite) is a high accuracy, contactless facial recognition software designed for fast, frictionless identity verification in high-traffic areas like airports, venues, and military bases. It works from 3–10 feet away, even in low light, for automated passenger boarding, security screening, and secure access control.

NFE Lite is integrated with the latest NeoFace algorithm to enhance its capture and provides the local matching capability.

Key Features

- **Real-Time Tracking:**
 - High-resolution cameras are used to monitor entry and exit points.
 - The system continuously tracks individuals from the moment they enter the monitored area to ensure comprehensive coverage.
- **Face Detection:**
 - Utilizing advanced face recognition algorithms, the system accurately detects and identifies individuals.
 - No biometric data is stored or managed.
- **Continuous Re-Identification:**
 - The system re-identifies individuals to maintain high security levels.
 - This ensures that only authorized individuals gain access, even as they move within the monitored area.



Key Benefits



- **Enhanced Security:** Continuous tracking and re-identification ensure that only authorized individuals have access to secure areas, significantly reducing the risk of unauthorized entry.
- **Increased Efficiency:** By eliminating physical gates/turnstile and allowing for high-speed access, the system streamlines entry processes, reducing wait times and improving overall efficiency.
- **Improved User Experience:** The unobtrusive on-the-move allows for a more natural and convenient access experience, enhancing user satisfaction.
- **Scalability:** The system is adaptable to various environments, including corporate offices, airports, educational institutions, hospitals, and government facilities.

Biometric Matching Foundation

NEC's NeoFace biometric technologies have consistently proven to be the most accurate and fastest face recognition algorithms based on independent benchmarks performed by the National Institute of Standards and Technology (NIST). NIST's independent testing has confirmed that NEC's face recognition technologies are the most resilient to low-resolution images and viewing angles, as well as poor image quality.



Use Cases

Major League Baseball (MLB) – Go-Ahead Entry

NEC's facial recognition technology has been successfully deployed in Major League Baseball (MLB) stadiums through the "Go-Ahead Entry" program. This ticketless, touchless entry system enhances the fan experience by allowing pre-registered attendees to bypass traditional queues. At select stadiums, including Nationals Park, fans simply walk through designated entry points while the NEC system captures their image and verifies their identity in real time. Over 6,000 fans used the system on Opening Day 2024, demonstrating its scalability, accuracy, and positive user reception. The MLB program demonstrates the effectiveness of NEC's free-flow facial capture in high-volume environments, aligning with the needs of CBP's Global Entry program.

Universal Studios – Theme Park Admission

NEC facial recognition technology is also deployed at Universal Studios Japan, where it supports gate-less access for visitors using facial authentication. This deployment handles large, diverse volumes of individuals in a recreational setting while maintaining security and accuracy. NEC's solution allows frictionless access while upholding high privacy and performance standards—highlighting the company's ability to deliver secure, positive experiences even in non-regulated environments.

NEC Headquarters

The system has been operational at NEC's headquarters since July 2024, authenticating employees in real time at entry zones. It is deployed in Japan, Singapore and Saudi.



[Click here](#) to speak with an expert to learn more about **NeoFace Express Lite Next Generation.**

Sources:

[NEC facial Recognition Technology Ranks First in NIST Accuracy Testing - Rankd #1 since 2009 through 2024 in face recognition benchmark tests conducted by the U>S> National Institute of Standards and Technology \(NIST\).](#)

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