

NEC

NeoFace[®] Express

Rapid Access Identity Verification



NeoFace® Express

At a **GLANCE**

- Scalable face recognition technologies with highest accuracy*
- Provides high customer and passenger throughput
- Improves customer experiences and decreases long queues
- Simplifies integration into existing infrastructure and workflows

NeoFace® Express is built to deliver fast performance, reliable connectivity, real-time visual and aural notifications, and flexible identity management system integration capabilities. With its robust capture process and sleek design, NeoFace Express delivers unintrusive face capture and identity verification in a variety of settings, enabling security personnel to take fast action when unauthorized or unknown individuals are detected while providing free access to authorized individuals. Its unique capabilities are the result of NEC's years of research and global deployment experience in high throughput identity validation. NEC continues to set the standard for secure, rapid, and accurate identity recognition solutions, delivering a scalable, frictionless customer experience.

SOLUTION OVERVIEW

NeoFace Express is an enterprise-grade, rapid-access solution with high throughput capabilities, even in demanding environments. NEC's highly accurate and scalable NeoFace face recognition technologies decrease long queues and improve customer experiences by quickly verifying identities and authenticating membership. Locations with entry/exit points, such as airports, seaport boarding gates, border crossings, stadiums, theme parks, and many others, can all benefit from the speed and precision of NEC's face recognition capabilities. Customers will enjoy seamless experiences for a range of activities — from check-in and payment to entry and boarding — while government authorities and commercial entities will observe improved operational efficiencies, cost savings, and increased customer engagement.

Using distributed processing techniques and patent-pending workflows, NeoFace Express offers a one-to-one (1:1) and one-to-many (1:N) authentication solution. Both workflows verify identities against face images in an existing enrollment database or when a face is enrolled during the initial use of a membership.



Key Product Features

Form Factor	Ergonomic Self Contained
Size	7.7 x 3.1 x 15.0 in (195x78x380 mm) WxDxH
Weight	2.54 kg (5.6 Lbs)
Display	Full-HD LED Touchscreen
Indicators	Multi-Color LEDs and Audio Speaker
Imaging	2MP 1080 x 1920 (Full HD)
Detection	0.9 to 1.5 meters (3 to 5 feet) recommended*
Facial Recognition	NeoFace® algorithm. NEC Digital Platform (NDP) Identity Management Solution application
Computing	Intel Core-i7, MS Windows 10, MS Windows 11, IoT Enterprise x64
Connectivity & Power	Ethernet, USB, HDMI, DP (optional WiFi), External Power Pack 100~240VAC
Mounting	VESA (75x75 & 100x100mm), Stand, Wall, eGate, Kiosk, Bag Drop

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

† Dependent on use case and identity service provider

‡ Camera sensor/lens options possible to adjust this range

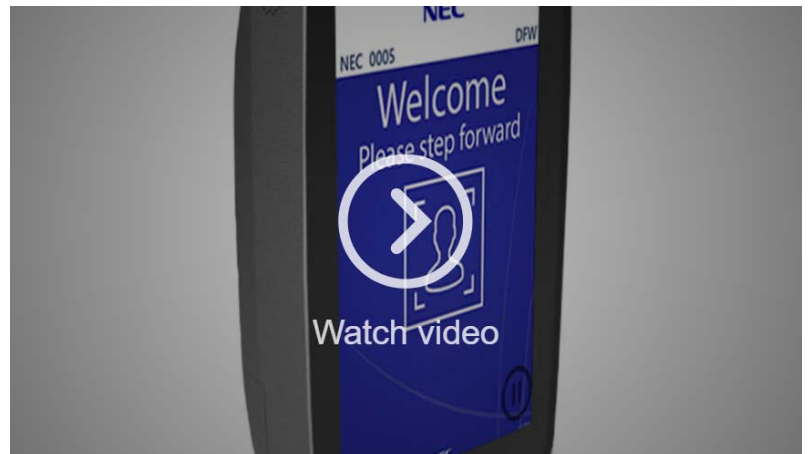
NEC's high-performance face recognition technologies are capable of capturing face images at a variety of angles and in a wide range of lighting conditions, resulting in maximum performance and user experience. Its performance continues to surpass all other face recognition systems on the market today.*

PROVEN RESULTS

<p>1</p> <p>Global Adoption: 16+ air exit installations in operation worldwide</p>	<p>2</p> <p>Customer Satisfaction: User-friendly, frictionless touch points for a seamless "curb-to-gate" journey</p>
<p>3</p> <p>Convenience: Touchless technology that eliminates the need for boarding pass and ID card checks†</p>	<p>4</p> <p>Performance Efficiency: Enhanced queue processing with shorter wait times for an improved user experience</p>

BEST TECHNOLOGY, LOWEST RISK

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. NeoFace Express is a rapid capture and biometric identity solution that runs on a platform based on readily available commercial hardware and software to deliver the highest possible accuracy and performance at a competitive price.



Why NEC?

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Trust the benchmark in biometric technology.



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