\Orchestrating a brighter world

NEC

Advanced Recognition Systems
Rapid-Access Biometric and Credential Solution

NeoFace® Express

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.

At a Glance

- Scalable face recognition technologies with higest accuracy*
- Provides high customer and passenger throughput
- Improved customer experiences and decreases long queues
- Simplifies integration into existing infrastructure and workflow

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.

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.*
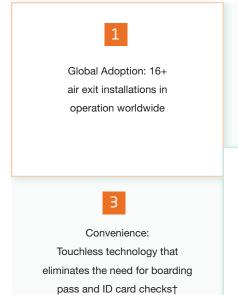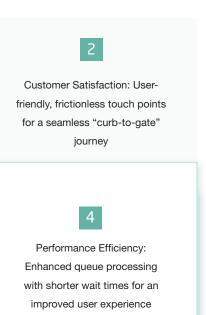
Key Product Features

Form Factor	Ergonomic Self Contained
Size	195x78x380 mm (7.7 x 3.1 x 15.0 in) WxDxH
Weight	2.54 kg (5.6 Lbs)
Display	Full-HD LED Touchscreen
Indicators	Multi-Color LEDs and Audio Speaker
Imaging	Dual Camera Sensors
Detection	0.9 to 1.5 meters (3 to 5 feet) recommended*
Facial Recognition	NeoFace®
Computing	Intel Core-i7, MS Windows 10 IoT Enterprise x64
Connectivity	Ethernet, USB, HDMI, DP (optional WiFi)
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

Proven Results

1

Global Adoption: 16+ air exit installations in operation worldwide

2

Customer Satisfaction: User-friendly, frictionless touch points for a seamless "curb-to-gate" journey

3

Convenience: Touchless technology that eliminates the need for boarding pass and ID card checks†

4

Performance Efficiency: Enhanced queue processing with shorter wait times for an improved user experience

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.

Complete Customer care

NEC's U.S.-based Support Center provides comprehensive 24/7 multi-tiered customer support for problem tracking and resolution, as well as advanced remote diagnostics. Highly experienced engineers and developers provide technical support and troubleshooting services to ensure that our customers get the information and help they need without delay.

Innovative Force in Identification

For more than 30 years, NEC has been pioneering biometric research and is a world leader in integrated, high-availability biometric identification systems. The unparalleled identification matching accuracy and speed of our face recognition and fingerprint technologies have been independently verified by NIST. Other modalities include, but are not limited to, palmprint, voice and iris matching capabilities. Through these and other technologies, NEC aspires to promote safety, security, efficiency, and equality for all members of society. Under the company's corporate message of "Orchestrating a Brighter World," NEC aims to help solve a wide range of challenging issues and to create new social value for the changing world of tomorrow.

For More Information

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