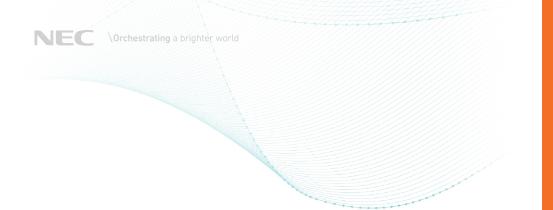# NEC

\Orchestrating a brighter world

Gateless Access Control System

Alleviate congestion at busy entrances and enhance visitor experience.

Overview

Combining NEC's world-leading face recognition algorithm* with proprietary person re-identification technology, the Gateless Access Control System allows fast and reliable entry control for groups of people.

Accurately identify and match multiple people in real-time, including the ability to recognise faces even when partially obscured, in motion, or their bodies are occluded.

This innovation allows for the removal of traditional gates, guarded security gates or barriers, which reduces bottlenecks and wait times without affecting the security of a site or event.

If a person whose face image has not been registered in advance enters the area, an alert can be triggered and displayed on a nearby security monitor and on a handheld device.

Enhance convenience, minimise crowds and wait times, and alleviate the workload on security staff.

Key Benefits

Reduced congestion

Repeatedly detects humans captured on camera in real-time. Biometrically enabled Gateless Access Control system ensures face recognition of multiple individuals in front of the system reduces bottlenecks and waiting times at entry and exit points, facilitating smoother movement of large crowds.

Fast and accurate

Even if the face is slightly hidden behind other people or if only a glimpse of the face is available, this technology can instantaneously recognise the face.

Maintain security

Cutting-edge person tracking enables person re-identification. Once identified, the person's trajectory is tracked across the scene for seamless continuity, regardless of movement.

Contactless authentication

The gateless nature of the system offers a contactless authentication process, which is not only quicker but also more hygienic.

Enhance CX

Patrons or commuters can enjoy a seamless entry experience without the need to physically interact with gates or ticketing systems, or even stop for identity verification.

Operational efficiency

By automating the entry and exit processes, the system decreases the need for manual checking by security personnel, allowing for a reallocation of resources to other critical areas, thus improving overall operational efficiency.

Scalability and flexibility

The technology can be integrated into various environments without the need for extensive infrastructural changes, making it scalable and adaptable to different settings such as public transport, corporate offices, or entertainment venues.

Reduced infrastructure cost

Eliminating the need for physical barriers, turnstiles, or traditional security checkpoints can lead to significant savings on installation and maintenance costs.

Use Cases

Theme Parks

Public Transport

Airports

Hospitals

Offices

Factories

Why NEC?

NEC has been a pioneer in multi-modal biometrics authentication with staggering advances over the years in both speed and accuracy. NEC's biometrics leadership is demonstrated by the independent NIST benchmark evaluation.

With over 1,000 systems implemented in more than 70 countries and regions in the world, NEC's NeoFace face recognition products and solutions are used in a wide range of fields from criminal investigation, immigration control, and national identification within the entertainment industry.

Trust the brand that's trusted around the globe.

*   https://www.nec.com.au/insights/media/nec-face-recognition-technology-ranks-first-nist-accuracy-testing

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