



National Security Systems
An NEC Company

Secure, Quick and Reliable entry for federal agencies, military and more NEC Gateless Access Control System



Federal agencies, government buildings, military bases and other secured locations can welcome visitors without the need for gates and long wait times - while maintaining security and public safety.

Introducing NEC Gateless Access Control System. Combining the #1 face recognition algorithm* with advanced tracking and leveraging state-of-the-art person re-identification technology. Gateless Access Control enables convenient access as individuals walk through a virtual gate swiftly and securely. The system accurately tracks, identifies and matches individuals in real-time.

This innovation allows for the removal of traditional gates and barriers, reducing bottlenecks and wait times without affecting security.

At a Glance

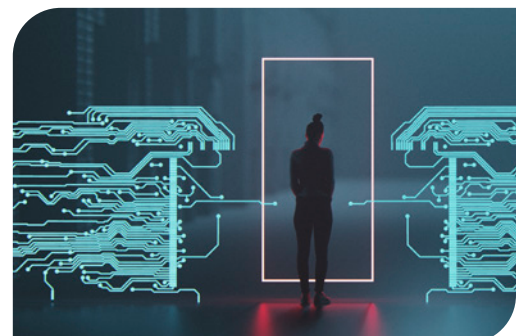
- Real-time authentication leveraging face recognition with deep learning technology
- State-of-the-art tracking and person re-identification enhancing security and operational efficiency
- Reduce overall costs by eliminating physical gates and authentication devices
- Increases convenience and speed of entry by reducing friction points
- Provides alerts on a dashboard or notifications via e-mail or mobile messages

System Description

Using video streams, the system detects individuals and performs face recognition as they pass through a virtual gate. The solution continuously tracks individuals from the moment they enter the monitored area and identifies individuals based on their face biometrics. To ensure high security levels, the innovation also re-identifies tracked individuals. Leveraging deep learning, the re-identification technology matches persons before and after occlusion.

Gateless Access Control provides an interactive dashboard which displays the live video feed of individuals passing through the virtual gate. Each individual is marked with an overlay that indicates their authorization status. The dashboard provides a real-time display that ensures security personnel are always informed about the authorization status of all individuals passing through the monitored area.

In addition to a visual display, the system alerts security personnel with audible alarms and e-mail or mobile messages if an unauthorized or restricted individual is detected.



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.

Virtual Gate Technology:

- Invisible virtual gates replace traditional physical barriers, allowing individuals to walk through at normal speed without interruptions.
- This technology enables quick, efficient, and secure access, minimizing bottlenecks and enhancing the overall user experience.



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 and allowing for high-speed access, the system streamlines entry processes, reducing wait times and improving overall efficiency.

Improved User Experience: The unobtrusive nature of virtual gates 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.

To learn more about Gateless Access Control and other innovations in access management, automated recognition and identity intelligence, visit NEC National Security Systems at necnss.com.

Sources:

[NEC Face Recognition Technology Ranks First in NIST Accuracy Testing](#) - Ranked #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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