

ACCESS CONTROL

Biometric Face Recognition Access Control System

Nirikhon Biometric Face Recognition Access Control System provides touchless, highly secure entry management with over 99% identification accuracy. Built with anti-fake protection and advanced infrared night vision, it automates office attendance and safely restricts unauthorized access in real-time.

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Official Brochure



SOLUTION SNAPSHOT

SMART FACE MATCHING	TOUCHLESS HYGIENIC ENTRY	COMPLETE DARK MODE CAPTURE
LIVE ANTI FAKE PROTECTION	MULTI-VERIFICATION SUPPORT	ENTERPRISE PROFILE MEMORY

Built for Real Operations

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CAPABILITIES

Key Features & Product Modules

High Speed Neural AI Processor

The main brain of the device. This ultra-fast microchip uses advanced neural networks to calculate and match facial points in milliseconds, providing instant and completely reliable access logs.

Adaptive Infrared (IR) Sensor Array

Equipped with modern industrial IR sensors that automatically adjust to light changes. It allows the system to scan and unlock doors in pitch darkness or under harsh, bright sunlight with equal accuracy.

High Performance Multi Biometric Reader

A versatile scanning hardware module built into the device. It smoothly supports secondary security checks, including scratch-proof fingerprint scanning and touchless RFID card reading for layered security.

Heavy-Duty Intelligent Access Controller

The heavy duty core switch that connects the terminal to your doors. As soon as a face is successfully verified, it sends a highly secure, encrypted signal to open the connected EM locks instantly.

Dual Lens HD Optical Camera Module

A premium grade dual camera setup that captures sharp, lifelike visuals. It views and measures depth perfectly, making sure the system can easily distinguish a real person from a high-resolution printout.

Smart Live Body Detection Sensor

A highly advanced security component that detects real human presence. It stops any fake entry attempts using mobile photos or digital video loops, making the terminal fully secure against cheating.

Secure Local Encrypted Memory Module

A protected internal storage unit built for enterprise growth. It safely locks and encrypts thousands of face profiles and attendance logs directly on the device, ensuring no data can be tampered with.

Weather-Resistant Metallic Casing

Manufactured from premium, shock absorbing materials. This elegant outer shell protects the delicate internal electronics from daily wear, heavy dust, and light moisture, ensuring a long product lifespan.

Where This Product Fits

A man in a white shirt and dark vest is using a biometric face recognition device at a desk in an office setting.

Corporate Office Attendance & Security

A person in a white lab coat is using a biometric face recognition device in a clinical or laboratory environment.

Hospital & Restricted Lab Access

Two men, one wearing a yellow hard hat, are using a biometric face recognition device at an industrial gate.

Factory & Industrial Gate Management

A group of people, including a woman in a red backpack, are using a biometric face recognition device at a school or university entrance.

Smart School & University Campus Security

Two men are using a biometric face recognition device at a government facility entrance.

Government Facilities & Ministry Security

Software, Benefits & Outcomes

Live Dashboard & Real-Time Monitoring

This module connects all your access terminals into a single computer screen or mobile, allowing managers to view live entries and door security status instantly.

- Watch instant camera previews and employee photo matches as people walk through the doors.
- Receive immediate visual and sound notifications if any secure door is left open or broken into.
- Lock or unlock any connected office gate instantly from the main computer dashboard during emergencies.

Automated Attendance & HR Reporting

A smart database solution that automatically tracks working hours and employee attendance, completely removing the need for manual paperwork or logbooks.

- Record exact entry and exit times automatically as soon as the system identifies an employee's face.
- Export clean Excel or PDF summaries of employee late arrivals, total hours worked, and leaves with one click.
- Share attendance data smoothly with your company's existing payroll or human resource software.

Centralized User & Security Management

A centralized control platform that makes it super easy to add new face profiles, manage ID permissions, and keep tracking history completely safe.

- Register thousands of new employee face profiles and RFID card data easily from a central admin computer.
- Put specific names or unauthorized individuals on a restricted list to automatically block them and trigger alerts.
- Set specific time schedules and door permissions for different employee ranks or department teams.

Case Studies & Client Feedback

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"During the election period, we identified and documented three coordinated inauthentic behaviour campaigns within hours of their launch — giving authorities time to respond."

Director of Strategic Communications

National Electoral Commission

RESOURCES

Media & Questions

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Q. Can someone use my photo to trick the system?

A. No. Our system uses "Anti-Spoofing" technology and an Infrared (IR) camera. It only recognizes real, live faces and cannot be fooled by photos or videos on a phone.

Q. What happens if the power goes out?

A. The system uses smart fail-safe technology that instantly keeps doors locked for security or unlocks them for safe exit during power cuts, based on your building's safety setup. For non-stop operation, it can be easily connected to your office's existing UPS, IPS, or generator backup.

Q. Does it work if I am wearing a mask or if the lights are off?

A. Yes. The system is designed to recognize faces even with masks on. Also, the built-in infrared sensors allow it to work perfectly in total darkness.

Q. How many people can I register in the system?

A. Our system is built for growth. It can store thousands of user profiles and logs, making it ideal for both small offices and very large organizations.

Ready to deploy Biometric Face Recognition Access Control System?

Talk to Nirikhon for product consultation, installation planning, integration support, and enterprise deployment.

Hotline: 01712345678 | Website: www.nirikhon.com