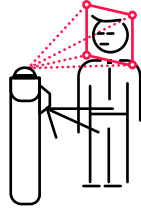# Id-Gate

RELIABLE AND CREDIBLE BIOMETRIC ACCESS CONTROL SYSTEM TO A SITE

In the **Id-Gate** solution, the verification of access rights is carried out using facial biometric identification or in tandem with traditional physical identifiers.

When passing through the turnstile, specially installed cameras/scanners "capture" the biometric data of the incoming person. Then the system checks the compliance of the received patterns with the data in the profiles database. According to the results, the system either allows access to the site or denies it.

Id-Gate has the following features:

- Control, maintenance and management of access to an entity (identity recognition, access control in special zones, opening doors, turnstiles, barriers, etc.).

- Protection from unauthorized use of someone else's badges.

- Creation and maintenance of various lists (VIP, Black List, Visitors, etc.).
- Send operational notifications when an unauthorized access is attempted, while passing an identity check from the list.
  For example, the notification to an operator when a person from the black list is identified.

- Record the number of visitors and time spent per visit.

- Remote registration of staff in the system.

- Integration with access control systems and synchronization of information about employees: full names, access cards, photo, etc.
Implemented installations with the following systems: Perco, dormakaba, Moxa, Robos.

Id-Gate allows to solve the following challenges:

- **Increase the level of security**
  The biometric identifier cannot be passed to third parties, and the two-factor identification (physical + biometric passes) provides a high level of reliability and protection against unauthorized access.

- **Provide comfort and speed to the process**
  Increase the comfort of visitors and staff by reducing the entry/exit times.

- **Differentiate access to office spaces, separate areas of the facility**

Solution for industries:

- Health care;

- Security agencies;

- Financial institutions;

- Educational Institutions;

- Train stations, airports, bus stations, etc.

Advantages of using Id-Gate:

Quickness
The speed of biometric identification does not exceed 1.5 seconds.

Precision
High identification precision of a person's identity when passing the control point:

- Probability of a false-positive is less than 0,0001%* (mistake of letting in a "stranger");

- Probability of a false-negative is less than 3%* (mistake in not letting in "one of ours").
Customizable values

Reliability
High degree of reliability, since a biometric identifier cannot be forgotten as a password or lost as a plastic card. It is impossible to use someone else's biometric data as a card or a pass.

Touchless access features
Touchless reliable identification, easy to install and operate. There are no problems with contact biometric systems, such as a fingerprint.

Centralization
Centralized database, managed by a single data operator.

Multithreaded
Ability to connect additional sources of biometric data.

Fault tolerance
Maintenance of the full-featured system operation in the absence of communication with the DCI (data storage and processing center). Transfer of the collected data to the data center upon the restoration of communication.

Open API
Ability to integrate with existing customer systems.

Protection against unauthorized access:

- Control of compromise through infrared spectrum;

- Control of compromise using 3D masks.

Licensing policy

Id-Gate – is a complete software product and is distributed through the transfer of electronic licensed keys to the database (system core), as well as the source of biometric data (for example, the video camera installed on the turnstile).*****
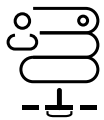
Database license + **Video stream license** + **Customer support**

Application

Main mode of Id-Gate usage:

- **Combined access**
  The verification of access rights of an individual takes place using a physical permit and the person's biometric characteristics.

Physical permits include:

- RFID bracelet

- Smart card

- Barcode

- QR code

- Boarding pass

Door mechanisms/turnstiles work alongside, automatically opening/blocking by the results of the two-factor identification process.

- **Touchless access**
  Organization of automated access in touchless mode.
  Verification of rights using facial biometrics obtained through cameras, tablets, without resorting to the use of physical passes.

Structure of Id-Gate Solution

Biometric control access system by facial image
Components:
- Turnstile
- 2 IP-cameras with results of staff identification
- PC for local processing of the system's data
- Workstation for registration at the facility
- Web – portal for remote staff registration
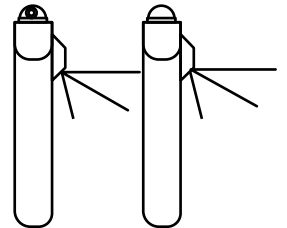
Biometric identification terminal by facial image
Composition:
- Terminal
- Workstation for onsite registration
- Web – portal for remote staff registration