

GOLDFACE

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01. Software definition

GOLDFACE. Is a software based on facial recognition biometrics, enabling the recognition and identification of customers.

Functions.



Biometric detection. Able to detect which user and type is, referring to the ability to differentiate among employees, non grata users, V.I.P, prohibited, non registered...



Data storage. It stores recorded data in real time. We can access them by an internal web through compatible and signed-in devices, and manage from the same alarms, privileges, users, statistics...



Permission to pass through. By the recognition of the individual, by biometrics or by analysis of the personal identity card, the system grants the pass (or not) allowing connection with an automatic lathe/ door for a more exhaustive access control.



Alarm. It features a lighting and sound alarm to warn employees of an entry attempt of people who are not welcome, banned, or unregistered. Additionally, they can receive the alarm to their Tablet and/or Smartwatch.



User registration. It has an OCR reader for a fast and easy register through 'D.N.I'. (I.D.) or 'N.I.E'. It permits the possibility of a temporary entry without the need for user registration, being solely necessary that the machine collates the individual identity card to check the user legal age and belonging to a list of prohibited.

Features:

- ✓ Cutting-edge technology
- ✓ Differentiation between a real person and a photography
- ✓ Integration of other access control systems
- ✓ Companies of different sizes adaptability, as well as for the modification according to each autonomous community laws.
- ✓ Notification of expired I.D. (D.N.I.)

02. Facts

The classic alternative is manual, requesting the user identity card to collate data and, in this way, be able to check if the user is registered and/or has any special feature such as being a V.I.P. customer or is prohibited from access.



03. Software analytics

GOLDFACE is a software based on facial recognition biometrics, enabling the recognition and identification of customers.

Functioning:

- **Detection process.** The user must place him/herself in front of the device so that it compiles his/her image (Fig. 1).
- **Pre-processing of the image.** Extraction of facial biometric information.
- **Verification process.** It collates the information obtained with the registers kept in the database.
- **Decision-making process.** It allows the access to the user if it is registered as such, and does not have any restriction (Fig. 2 and 4). It denies access to people registered with restrictions or unregistered persons (Fig. 3), creating an alarm that alerts employees.
- **First register.** New users will register with the help of staff.
- **Verification of the identity document provided.** Verification and validity of the identity document provided shall be carried out with respect to its ownership and making sure it reaches the legal age.
 - **Authorisation without registering.** The I.D. is scanned and, if everything is correct, authorised staff will proceed to the introduction of their authorisation code (Fig. 5) for temporary access.
 - **User registration.** Staff accesses the area of new registers. They scan the document with the OCR reader, which complements the registration data. Finally, and according to configuration, the fingerprint will be recorded as express consent to the processing of biometric data and the record shall be kept (Fig. 6).
 - **Managers.** Each establishment must have employees with power to register and authorise users data, as well as with the capacity to define 'persona non grata' or 'V.I.P' and remove users (Fig. 7).

Fig.1



Fig.2



Fig.3



Fig.4

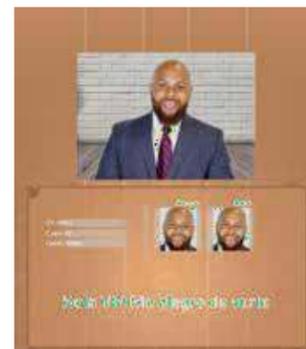


Fig.5



Fig.6

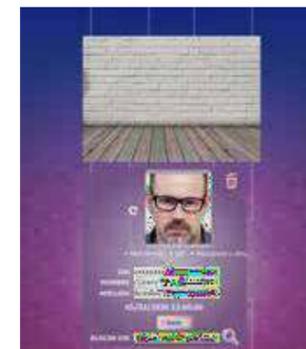
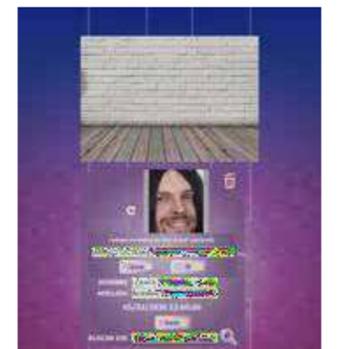


Fig.7



04. Interface customisation

GOLDFACE Can be customised depending on the sector targeted.

Examples:

Sanitary



Alimentation



Industrial

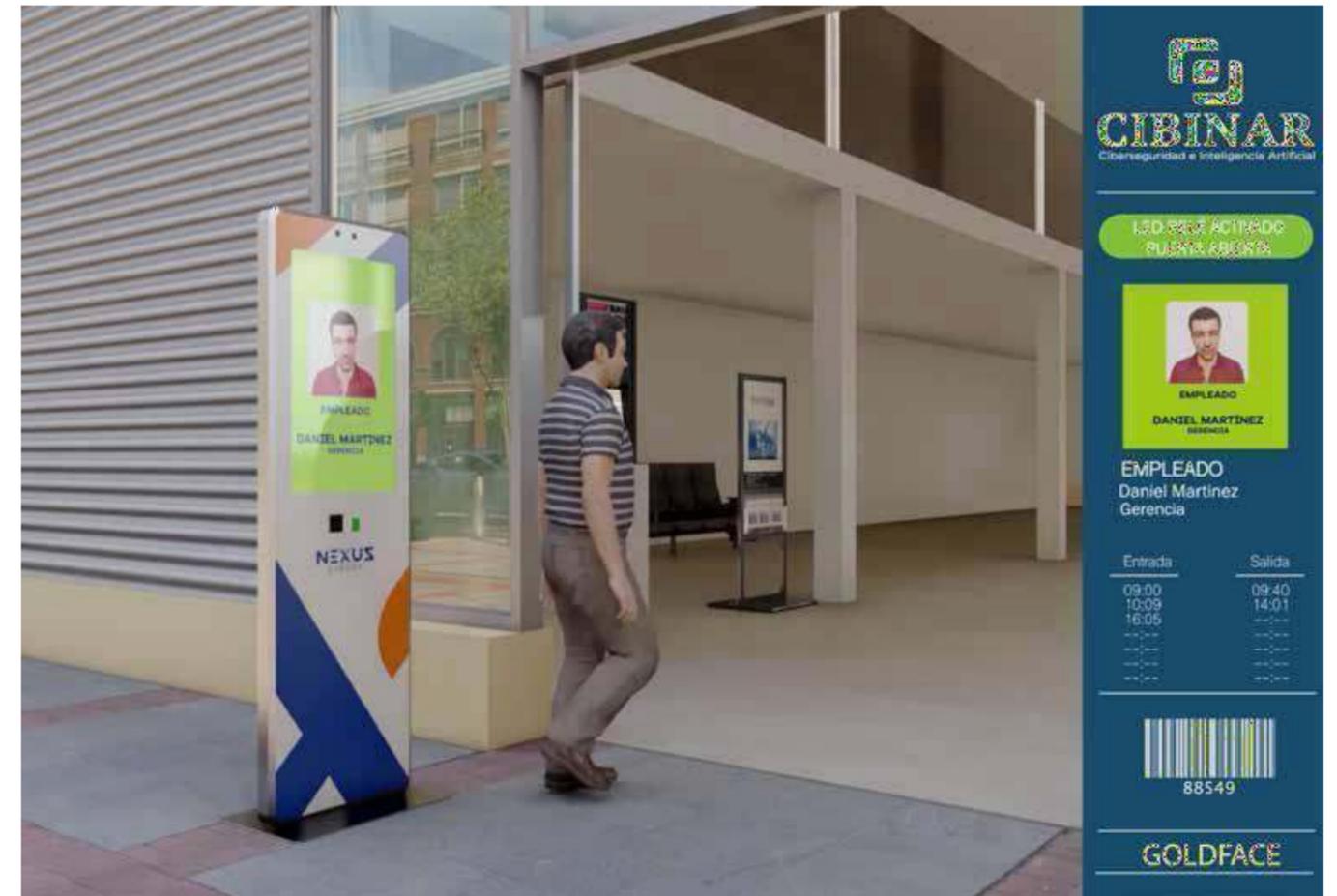
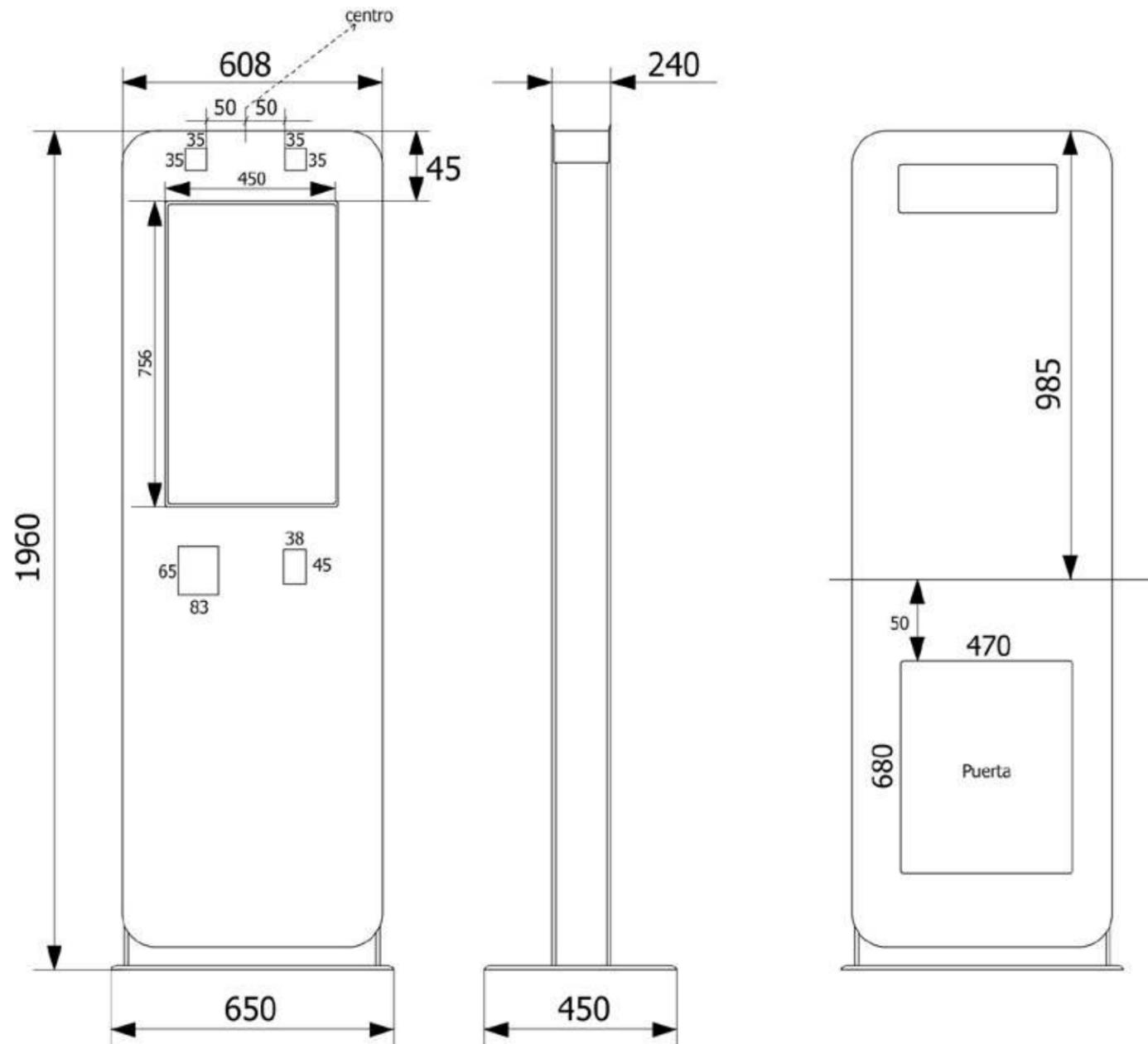


Technological



05. Minimum requirements

For the functioning of GOLDFACE is necessary to have 230V electric current –Schuko type-, RJ45 for network connection and enough space in front of the access door for its placement.



*measurements in millimeters



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Ciberseguridad e Inteligencia Artificial