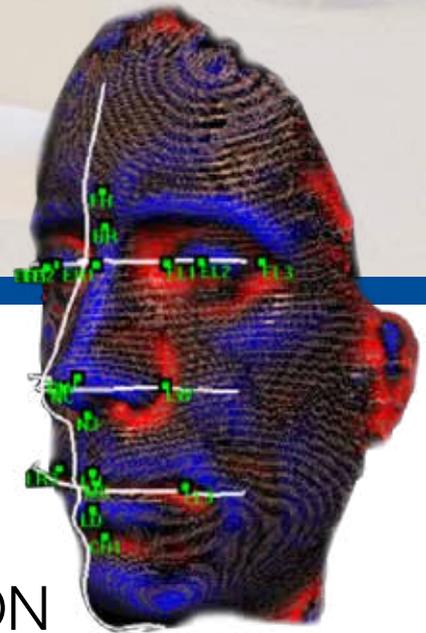


Co720

FACE DETECTION

BIOMETRIC DATA ACQUISITION

Professional solution for acquisition
and control of facial biometric data.



FACIAL BIOMETRIC DATA ACQUISITION AND CONTROL

It represents a secure, legal and effective solution. Ideal to protect any kind of access to strategic areas.

PROFESSIONAL SOLUTION

FaceDetection with *Biobank* is among our most installed solutions. A good additional security system for access control.



FACIAL DATA ACQUISITION



ANTI-MASK DETECTION



DATA ACCESS ONLY ALLOWED TO ADMIN



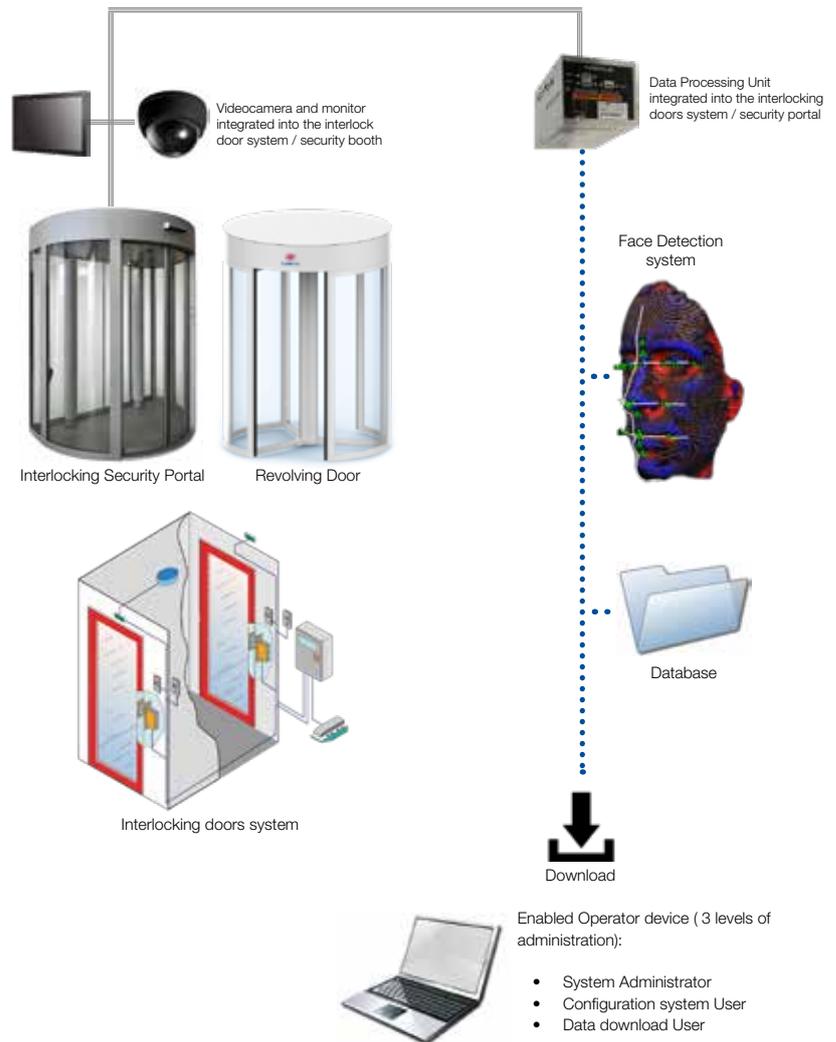
RECORDING CAMERA



DATA DISPLAY MONITOR



VOCAL SYNTH SYSTEM (USER GUIDE)



HOW “FACE DETECTION” WORKS

The user is guided by voice synthesis messages along the transit through the two interlocked doors. The video recording starts automatically when the user steps into the *interlocking security portal* for a customizable time-lapse. The video system is able to acquire facial biometric data (*recognizable / not recognizable face*). If user has a recognizable face, he gets the confirmation to complete the transit, otherwise the system denies the second door's opening. An integrated monitor located close to the internal door allows the visualization of acquired image. Access is authorized only if face parameters meet programmed threshold, determined by facial-data detection. **Access is not authorized** for all people who wear: hats, sunglasses, balaclava, etc. Videos are stored and remain accessible and downloadable (on local HardDisk or DVDs) for 7 days.

The ideal **Face Detection system** installation is within the two interlocking doors, and its goal is to prevent the transit to people with *not recognizable face*. The system works efficiently when is installed on Security Portals, Revolving Doors or Security Gates and it is more effective if the security solution is equipped with a **unique passage control system**.

“ It acquires and controls facial data for a access top security level.



PRIVACY

PRIVACY COMPLIANCE

The system is totally legal because **is Privacy norm compliant** (Italian and UE regulations), since the acquired data is exclusively biometric data of an anonymous *human face* stored as numeric code.

There is not a 1to1 “face = real person” matching/control, the system is able to understand if the person in transit has or not a *recognizable face*, and if he/she is trying to mask him/herself.

- Images and recorded videos are deleted after 7 days
- Data export is allowed only to the System Administrator



ANTI-MASK FUNCTION

The *Face Detection* software is able to detect/recognize somatic traits of human face. This allows to **prohibit the access** to a person who is trying to mask or cover his/her face, with for example: sunglasses, scarf, hat, hood, balaclava, etc. The *anti-mask* function is very effective in preventing burglary cases.



DATA PROCESSING UNIT

The system is equipped with a compact **data processing and storage unit** integrated into the interlocking security portal structure. In normal operation, system operates autonomously (without operator intervention). All system operations (maintenance, configuration, data download) are performed via Ethernet port (TCP/IP protocol) and a custom software (Windows OS). Software administration is divided in 3 levels of different access, with username and password identification: *System Administrator*, *Configuration System Account*, *Data download Account*.



FEATURES

- High quality and reliability system
- Data Processing Unit integrated into the security booth
- Camera with 640/480 colors (30bit) resolution
- Video input: analog
- High storage capacity: 20.000 videos
- Privacy regulations compliant
- Monitor: TFT active matrix integrated into the interlocking security portal
- Video Codec: AVI format
- Audio: voice synthesis with custom alarms
- Reports: defective self-diagnosis and log file generation
- TCP-IP Ethernet User Interface
- Operating mode: enable / disable from security portal's console
- Programming: configuration, custom detection time, user accounts

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