



БиоидТех

Facial Recognition “on-the-move”

BIOID Facial Recognition System

High recognition accuracy: over 96%

Recognizes gender and age,
counts visitors, tags unique visitors

Split-second speed recognition

Low bandwidth requirements
and power consumption



BIO ID Facial Recognition System is non-cooperative biometrical facial recognition system, operating “on-the-move”. It catches and recognizes the faces of people, freely passing- by facial recognition cameras.

The system uses modern algorithms and specially designed cameras for facial recognition with image clarification technologies. The high efficiency system performs recognition in real conditions without special light requirements.

Depending on customer’s needs, BIO ID Facial Recognition System can run on many hardware platforms: dedicated machine-vision cameras, CCTV-cameras or web-cameras. It provides the best value of cost/ efficiency ratio.

BIO ID Facial Recognition System is a multifunctional facial recognition tool, with many robust features:

- counting people by faces, tagging newcomers and regular visitors
- providing an instant alert to “black-listed” people
- organizing contactless biometric access control system
- making rich analytics and reports

Key features

1

High accuracy

BIO ID Facial Recognition System high efficiency is made possible by the latest deep learning-based algorithms and «machine vision» cameras with onboard automatic video enhancement. It provides high recognition accuracy (>96%) and a low rate of missed faces in field-use.

2

High speed

We use GPU-accelerated computing. Due to this BIO ID Facial Recognition System is able to perform millions comparisons per 1 s. It takes less than one second to send an alert to the operator in case of a match.

3

Low bandwidth requirements and reduced server load

The camera’s onboard facial detection ability reduces server and bandwidth load. Captured facial frames are transmitted to the server without compression.

4

Mobile apps for facial recognition

BIO ID Facial Recognition System is applicable for mobile apps such as alert messaging for law enforcement and security uses.

Applications

Business

- Detection of shoplifters in stores
- Detection of loyal customers, VIP-service
- Visitor statistics collection
- Customer in-store trends and habits
- Detection of black-listed fans banned from stadiums
- Biometric Access Control
- Employee time and attendance
- Mobile device user-authentication

Law enforcement

- On-line search of criminals
- On-line search of missing persons
- Police investigations
- Border Control
- Biometric Access Control



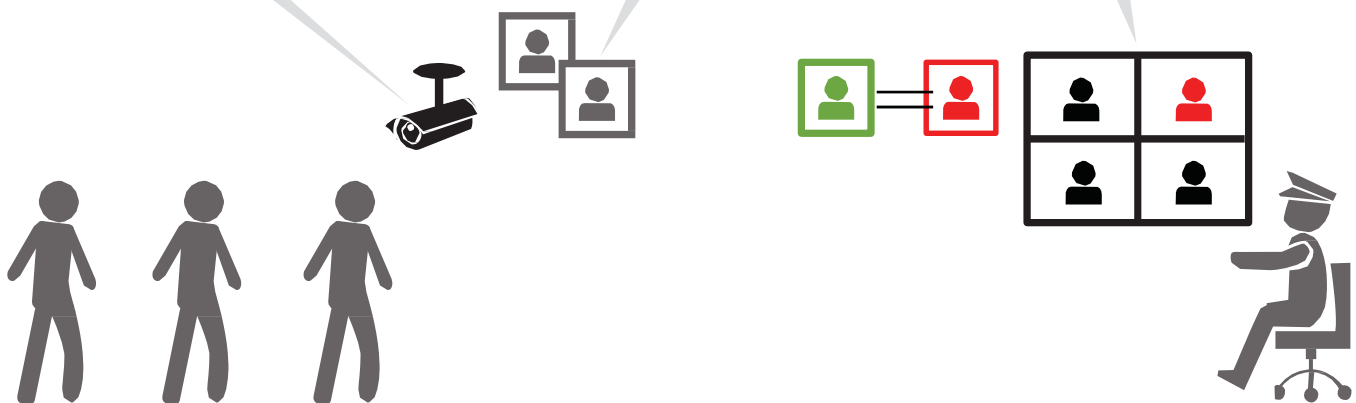
“Alarm monitor” interface

How it works

Cameras automatically capture faces in video stream and transmit it to the server. Cameras are able to capture up to 16 faces in a frame.

Load of bandwidth is reduced due to camera's built in face capturing engine. The system transmits only frames with captured faces instead of a video stream.

The system notifies an operator at “alarm monitor” if it has the match against “black-lists”. An operator can confirm or decline an alarm. All system events are logged. Archive search is performed by image, time, place or name.



Cameras installed at the entrances

**FOR MORE INFORMATION
PLEASE CONTACT US**

info@bioidtech.ch

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