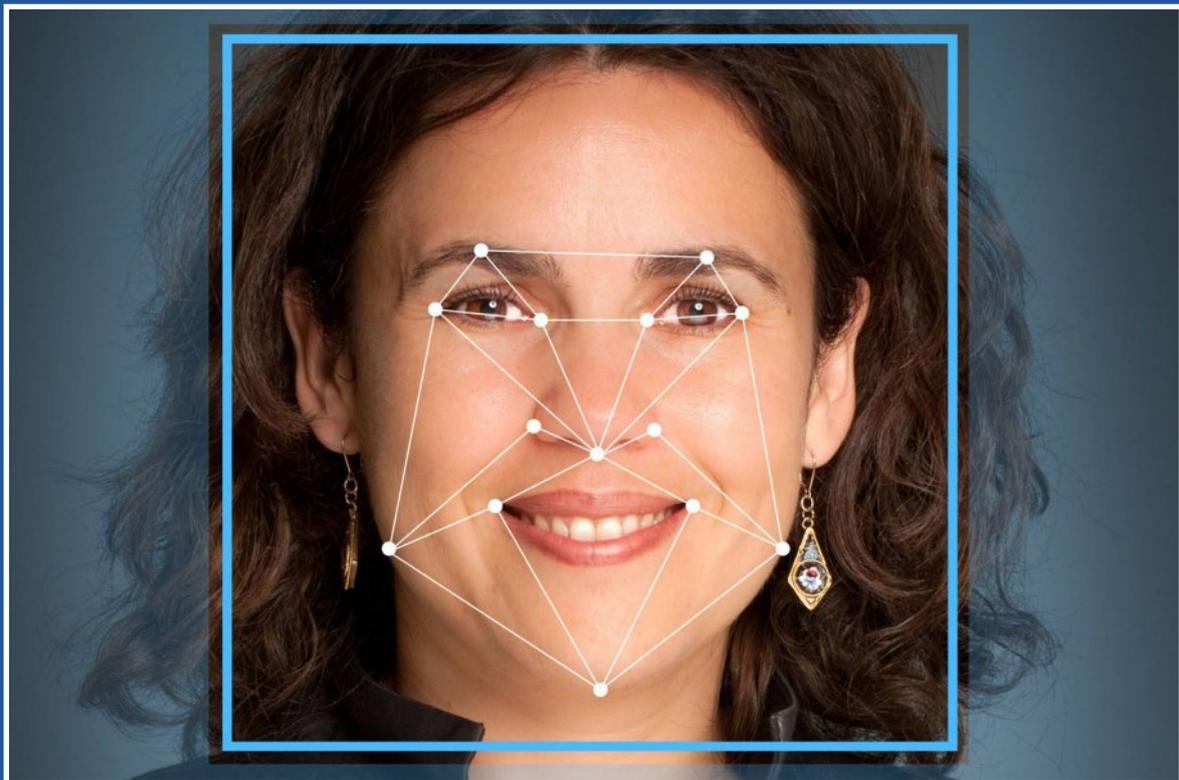




Pedestrian Entrance Control

Face Recognition Solutions



“Evolving the way you manage your pedestrian access.”



Solutions

Evolve develops market-leading face recognition systems and applications for customers and government around the world.

Face recognition technology can be applied in many different ways. Today's main market is security related, but there are a variety of applications emerging related to personal use, convenience, productivity enhancement and more.

Security

Face recognition technology can help enhance security in areas where it is important to verify the identity of persons based on facial images. Examples of such applications include border control, passport or driver's license issuance, law enforcement investigations, video surveillance and physical access control. Evolve products enable new commercial and consumer applications using facial data:

- recognizing VIP customers.
- analysing people flow by age, gender and other measures.

Public security

There is a fast growing demand from government, law enforcement, retail and industry customers for solutions to identify persons from live video cameras or video footage.

Evolve has addressed this demand by offering products that are optimized for the analysis of video streams, in order to detect, locate, track, and identify faces by real-time comparison to watch list databases.





Face Recognition - Access Control

Entrance Control Solutions.

Entrance control offers a secure, convenient, flexible and cost-effective way of controlling who has access to your building and when they access is allowed.

All businesses have to protect assets and employees whilst allowing people to move freely in the areas that they need. It is common in buildings that are secured by locks and keys for doors to be left unlocked all day. This opens up the possibility of opportunist theft and malicious damage.

Installing an access control system with face recognition means that you will never have to change a lock again or replace lost or stolen tokens and a face can easily be barred from the system.

Our access control solutions consist of:-

- Simple stand alone or networked cameras:
- Single or multiple cameras connected to our staff and visitor management software.
- Cameras that can connect to existing staff and visitor management software via a Wiegand interface.

Our systems can be connected to a standard door or any form of pedestrian or vehicle entrance control turnstile, gate or barrier.





Retail Solution

The Evolve intelligent Business Store is an all-in-one solution for retail and convenience stores, it integrates:-

- Video management:
- Video storage:
- Intelligent analysis, and
- Face comparing.

The face NVR kit offers mobile viewing and management. With Business Analytics you can see who was in your store, when they were there and what they purchased. It :-

- Helps to reduce in store crime,
- Helps to manage staff and visitor time and attendance.
- Helps to manage VIP's

Using age and gender detection, people in the view of the camera can be classified into several demographic groups for marketing purposes. You can then use this information to:

- Enhance the marketing promotions.
- Anticipate customers needs and desires.
- Discover points of engagement and friction.
- Improve the retail experience.
- Measure how shoppers respond.
- Detect people looking at selected products or demo times to understand the effect of product display to specific demographic group.



Face Recognition - Retail



Airport Solutions.

The worldwide deployment of electronic travel documents like ePassports are revolutionising border control applications.

While border control officers are using biometric tools to increase the security of immigration processes, self-service immigration using ePassports and face recognition is now a reality at many airports.

Face recognition combined with ePassports, ensures the secure verification of the traveller's documents and identity, allowing for streamlined and cost-efficient immigration procedures.

At passport checkpoints, facial traits are captured automatically. The high quality images are passed on to a verification unit and compared with the digital image from the ePassport. The captured image can also be forwarded to a video screening system and checked against a watch list of undesired immigrants in real time.

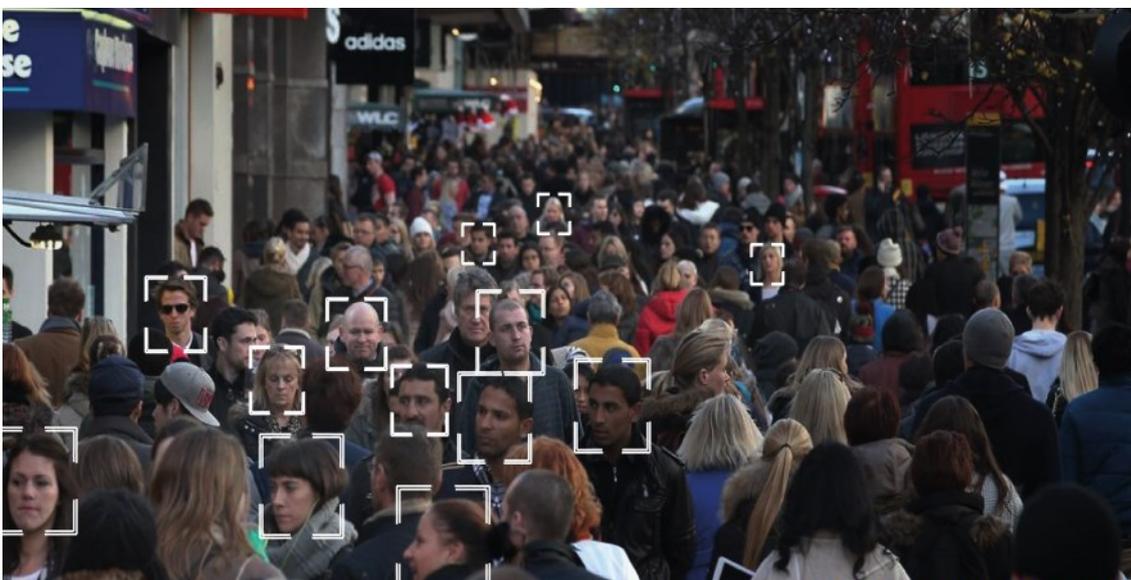




Law Enforcement

Face recognition technology can assist law enforcement agencies to identify suspects. Whenever a photograph or video footage of a suspect is available, the images can be compared to image databases of known criminals and show the most similar faces (match list).

The system can be applied to missing persons, this capability has turned out to be a very useful tool in the investigation process.



Face Recognition - Law Enforcement



Face Recognition - Other Applications

Age and Gender Detection

With age and gender detection, people in the view of the camera can be classified into several demographic groups for marketing purposes. It can also be used to restrict the area to certain age groups such as gaming zones.

Our technology can recognize age within 10-year range groups (0-9, 10-19, 20-29, 30-39, 40-59, 60+). These age groups can be very useful for tailoring different content for instance to young adults vs. seniors.

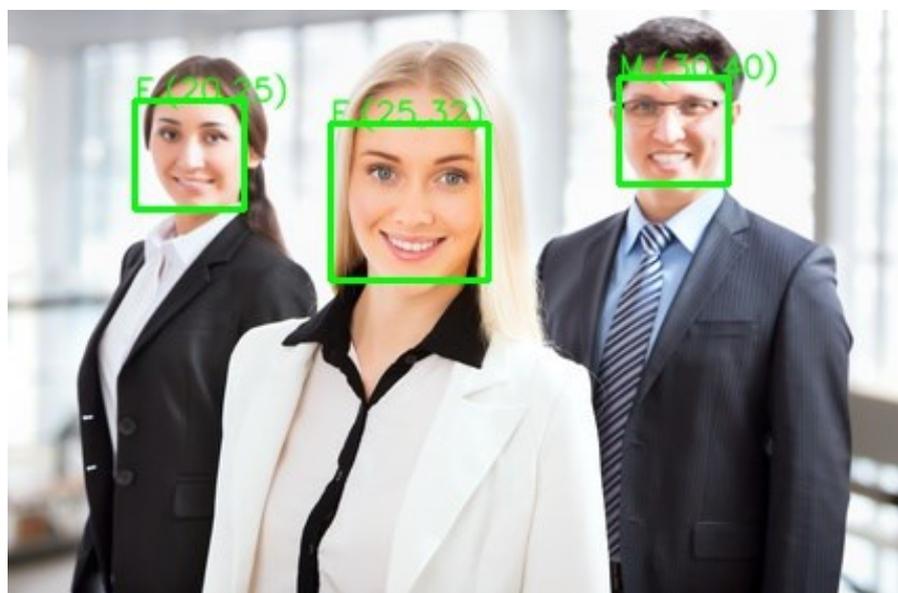
Our software can estimate age with accuracy up to +/- 5 years. The highest accuracy can be achieved by creating a suitable scenario for the software such as placing the camera at eye level of individuals together with optimal lighting conditions.

VIP Recognition

VIP customers of clubs, bank branches, or leisure parks can be automatically identified to allow access or to offer special handling.

Taking advantage of the visitor registration system, you can pre-register VIP's guests to sign-in using a QR code. The system promptly alerts you about all details related to venues and meetings, via SMS and email.

A key component of visitor management is automatic facial captures. The camera captures images of all visitors entering your premises, heightening your facility's security.



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