

Real-time covert identification of suspects

VLS Portable Face Recognition System

SUSPECT DETECTION

Facing-IT VLS Face Recognition System is a real-time, covert, suspect identification solution or a variety of market applications including, but not limited to:

- Border Control
- VIP Security
- Football Stadiums
- Transportation
- Sensitive Facilities
- Street Security
- Crowd

ALERT GENERATION

Upon detection of black-listed individuals, the system automatically generates an alert using one of the following modes

- **SMS**
- **Email**
- **Siren**
- **Visual**

Alert message includes ID information about the suspect, passport photo, time and place of detection, confidence of recognition and a screenshot of the scene (email only).



VLS Portable Face Recognition System is a mobile, intelligent surveillance system with video analytics capabilities designed for outdoor usage. It automatically detects and recognizes faces in live camera streams.

VLS Portable Face Recognition System analyses simultaneous inputs from 2 IP cameras and compares the captured face templates with a face database of suspects. As faces are extracted the system automatically alerts upon identification of a known individual using a variety of interfaces (SMS, email, siren, and visual).

VLS Portable Face Recognition System handles up to 40 faces simultaneously, which makes the system appropriate for crowded areas.

Suspect detection is performed according to a user specific watch list. This watch list can be updated in real-time using either camera inputs or local image files. Suspect Face Database can be shared and updated by multiple distant VLS-FRS systems on a common network. Camera inputs are continuously recorded, and non-suspect faces are stored in a temporary database for subsequent archiving if needed.

The system is designed to operate in covert mode, and does not require explicit cooperation from the persons being watched. It can be tuned to operate in fully automatic mode without physical presence of an operator.

OUTDOOR OPERATION

The system is designed to work in outdoor conditions with uncontrolled illumination. However, it is recommended to install the cameras in such a way to avoid visible shadows. Faces should be uniformly illuminated from both sides and from top to bottom.

COVERT DETECTION

The system recognizes identity even on faces partially occluded by eye glasses or scarves. The system tolerates up to 20% of facial occlusion without affecting the recognition performance.

CAMERA FUSION

VLS-FRS uses simultaneous inputs from 2 different cameras to deal with various face positions and orientations.

For more information on any of our products or services please visit us on the Web at: www.facing-it.com

Working Scenario



Automatic suspect detection in crowded street using VLS-FRS. The suspect triggers an alarm to draw operator's attention. The system helps differentiate between suspicious persons and general public. It can operate in full autonomous mode without physical presence of an operator. In this case alerts are sent to a distant control room.

- The system and cameras are temporarily installed to record and watch live points of interest.
- The operator selects an input watch list depending on the specific application.
- As people pass through the cameras, faces are detected and stored in a temporary database.
- The system detects if the faces are suspects according to the current watch list.
- Suspects trigger an alarm to alert the operator or a distant control room in real-time.

Pack Includes

- VLS-FRS Rugged Portable Processing Unit, with software installed and configured.
- Two IP Wireless Cameras with Security Enclosure.
- External Storage Device for face database and video recordings.
- GPRS Modem for SMS alerts.
- One Battery for 7 hours of autonomy approximately.
- Software Backup Copy and Licence.
- Beginner's Tutorial and Face Database Samples.
- Network Hub and Connexion Wires.

SYSTEM FEATURES

- Camera Stream Recording
- Face Database Creation
- Identity Recognition
- Suspect Detection
- Alert Generation
- Covert Mode
- Autonomous or Semi-Autonomous Operating Mode



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