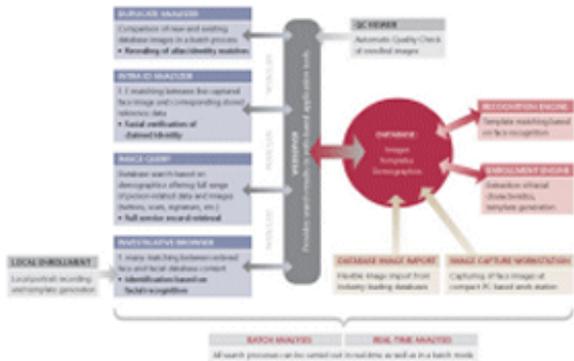


# Viisage FaceEXPLORER®: Features And Benefits At A Glance

Civil ID. Criminal ID. Border Control.

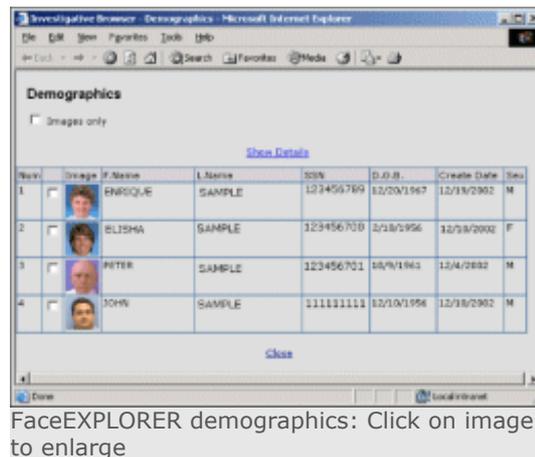
All institutions in government, law enforcement and business are facing a common challenge: Accurately identifying individuals to either grant the proper privileges or prevent identity theft and identity fraud. In 2003, the Gartner Research Group revealed that in the previous year approx. 7 Million people became victims of identity theft. Literally millions of people have been affected by this crime and the numbers are growing exponentially. Based on the most advanced face recognition technology, Viisage's FaceEXPLORER provides a real answer to this exploding problem by providing the necessary tools for effective fraud reduction, identity investigation and data retrieval for all institutions and businesses that deal with individual and authentic identities.



FaceEXPLORER product architecture: Click on image to enlarge

## Powerful Real-Time Face Recognition Technology

Dependent upon the database content and search criteria, image galleries may include portrait images and other related images like profiles, tattoos or distinguishing marks. Results of facial image searches are arranged in line-ups according to facial similarity, thus assisting the operator in reviewing and confirming the matching results.



FaceEXPLORER demographics: Click on image to enlarge

## Customizable Line-Ups

Users can customize the result output of their database searches by creating their own gallery line-ups including the desired images and related information. Images are moved to or deleted from line-ups simply by dragging and dropping. The customizable gallery line-ups facilitate review of investigation results by other investigators, officials or witnesses. Line-ups can be distributed by printing or faxing in a variety report formats.

FaceEXPLORER is powered by Viisage's most advanced face recognition technology, providing superior face recognition performance. The technology searches millions of images in seconds. FaceEXPLORER supports a database containing ten million images, one of the largest face recognition applications in the world and the database is growing by 15,000 images a day. Real-time facial searches can be performed on facial images imported from police composite and image work applications, as well as standard image formats from a variety of sources. Changes in an individual's outward appearance, such as hairstyles, beards or glasses, are handled easily with this robust application.

#### **Automatic Image Quality Check**

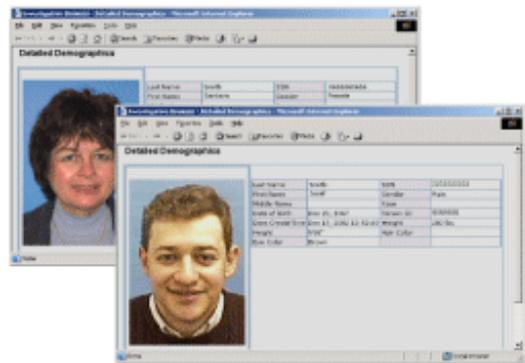
With the QCViewer, Viisage offers a tool that performs an automatic quality check of the enrolled images guaranteeing highest quality of the image material and minimizing database maintenance efforts.

#### **Real Time and Offline Batch Analysis**

According to the customer's time management, FaceEXPLORER can carry out a real-time online matching with immediate result presentation or an offline batch analysis. For instance, the whole set of new images collected during a working day can be checked by the duplicate analyzer in one go at night.

#### **Result Presentation in Image Galleries**

All possible search results are automatically categorized and presented by means of image galleries in the user interface of the client application.



FaceEXPLORER detailed demographics: Click on image to enlarge

#### **Customizable Search Criteria**

To narrow the search to a subset of the database, the user can select a set of pertinent match criteria such as age, sex, eye color, hair color, height and weight as well as combinations of them. This focused search is concentrated to the data the users have collected and assures quick and tailored matching processes.

#### **Identity and Duplicate Match Reports**

The Duplicate Analyzer Gallery displays match results. Operators can choose to review all possible matches for newly enrolled images or only those of highest match probability. To assist the reviewing operator in confirming duplicate identities matches are arranged in order of facial similarity. Matched duplicates can be dragged into an output window for further demographic data review, duplicate report generation, and/or other investigative action.