



**FACE CAPTURE & RECOGNITION**



**ISS**

SecuOS Face is an intelligent image analytics module for the ISS SecurOS video surveillance framework, which provides face capture and recognition (FCR).

SecuOS Face is an effective tool providing safety and security with passive recognition of subjects (the subject need not know of surveillance). The system can work in standalone mode or be integrated into access control or other third party systems to enhance functionality.

Recognition Accuracy

**90%** greater than

in optimal conditions

### ADVANTAGES OF THE TECHNOLOGY

no physical contact of the user with the system required

face can be recognized when person moves, without stopping in the zone of recognition

simultaneous face recognition for all people which appear in the field of a camera view

recognition even if face characteristics have changed: aging, facial hair, skin color

adaptation to various lighting conditions

use for identification of various kinds of images: photos, video recordings

high accuracy of identification for comparison of two or more faces simultaneously

### IDENTIFY & TRACK

automatic registration of all people passing through a controlled zone

identification from a "black list" for prevention of access to secure areas

real time information regarding access of searched or tracked persons

### SECURE YOUR ASSETS

access permissions, restrictions and rights & privileges of persons in protected areas

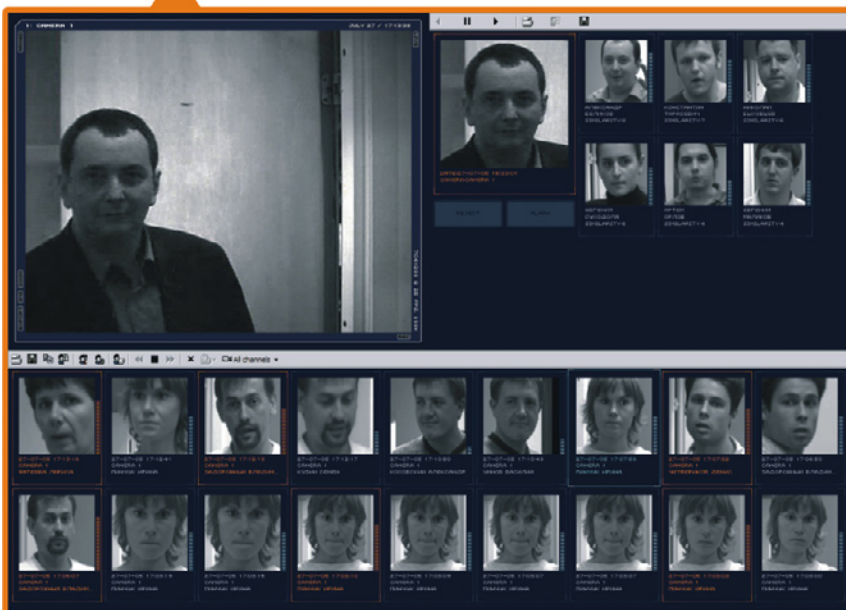
formation of a database of personnel and visitors with tagged data such as date and time, direction, and association of such with a facial image

advanced event/response management including time schedule engine, adjustable thresholds, and alarm capabilities

### REFERENCES

- Federal Training Facility, VA
- Mineola School System, NY
- Watchung Police Department, NJ
- Palace Hotel, NY
- Ministry of Atomic Energy, Russia
- Qatar Liquefied Gas Company, Qatar
- Alvorada Presidential Palace, Brazil
- Lefrak - Newport City, NJ

Face Capture & Recognition GUI



# FACE CAPTURE & RECOGNITION TECHNICAL SPECIFICATIONS

## KEY FUNCTIONALITIES

automatic localization and registration (capture) of all persons in sight of video camera

real time face recognition

visualization of the image on the monitor screen: display of live video and recently recognized faces

formation of video archive database for navigation with tagged data such as date and time, telemetry and direction, and associating such with a facial image information search in the given parameters in a database and video-archive

comparison of faces with images from a database, including "white list" and "black list"

robust event / reaction management capabilities

program new functionalities or adjust existing features using scripting interface

Import faces into database / Export captured faces from database

## ADVANTAGES

no special cameras required

specify reaction to positive comparison

simultaneous multiple face detections

detection during high-speed movements

all video associated to faces

controlled area search & capture

automatic optimal face position, transmission, & comparison

multiple camera environment

remote database query, monitoring & storage

integrate access control, biometrics & other devices

high speed of identification - less than 1 second

instant data search in video archive

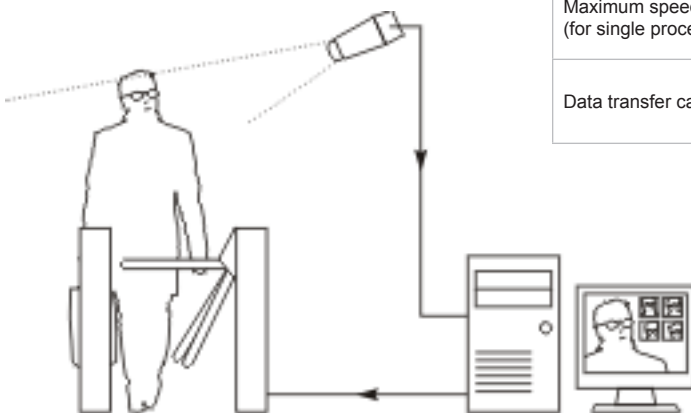
automatic notification (phone, e-mail, SMS)

distributed, modular architecture

multiple face captures per server, unlimited number of aggregate face capture detectors within a security network all reporting to one centralized recognition database

## METRICS

Recognition accuracy with illumination greater than 250 lux	greater than 90%
Maximum volume of database (for face capturing / for face recognition)	unlimited / up to 500 000 faces
Volume of face information stored by the system (for 100GB HDD)	not less than 5 million records
Time of recognition and identification (for database of 100,000 records)	less than 1 sec
Maximum speed of recognition and identification (for single processor configurations)	up to 7 faces/sec
Data transfer capabilities (for networking configurations)	any network supporting TCP/IP protocol



For more information, please contact your local dealer:



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