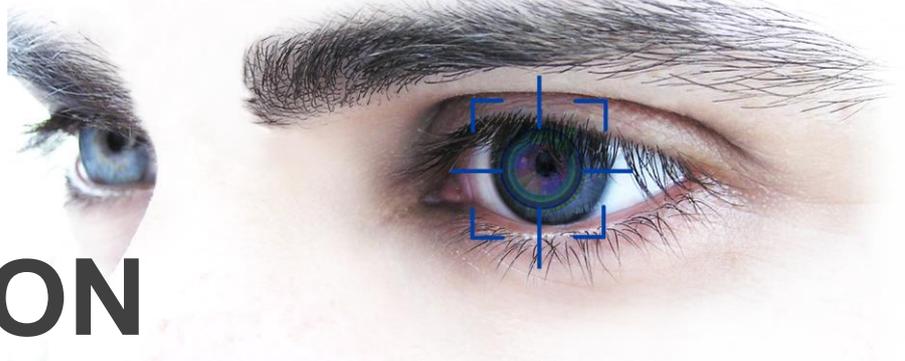


ViFence3 FACE RECOGNITION


www.vaelsys.com

Video

ID 8589934600
Name 2014_02_08_10_45_53_754_2_alarm.flv
Resolution 640x480
Date 08-02-2014, 10:45:56
Duration 00:00:09
Camera 2, IP camera
FPS 6

Size: 640 x 480 Rescale

Alarm	Snapshot	Zone	Alert	Desc.	Start	End	Dur.
17			Default alert	Subject with ID Lucia detected. Confidence 80.72%	2014-02-08 10:45:56	2014-02-08 10:45:59	0 min. 3 s.

<< First < Previous [1 to 1 of 1.] Next > Last >> Refresh

ViFence Face Recognition Is the most robust and cost-effective market solution. Our Face Recognition algorithms incorporate state-of-the-art technologies relevant to working with facial images, in particular image processing, computer vision, and pattern recognition technologies.

Accuracy and reliability of the recognition engine determine the quality of face recognition systems. The algorithm exceeds the performance of algorithms submitted to recent independent vendor tests, and have resulted in superior independence from facial variances such as pose, mimic, age variance, different hair styles, glasses or temporary lighting changes.

What can we detect?

- Determine if a face in the camera is in a face database, with up to millions entries
- Instantly identify person of interest and use anonymous face recognition for people analytics
- Anonymous analysis of all face streams over time allows the software to compute people count, demographical information, people movement in time and space, and to detect frequent visitors and crowds.
- Compare images from photos, video stills and sketches to multi-million image databases
- Distinguish between different people
- Detect if a face is on the camera
- Capture best-quality images and perform instant verification against passport photos.

ViFence3 CAMERAS ALARMS VIDEOS FACES CONFIGURATION LOG

Faces

Camera: All From: All To: All Filter size: Both Search faces

Snapshot	Date	Camera	Group	Context
	+12 photos 2014-02-08 10:46:12	2, IP camera	Staff	Oscar
	+2 photos 2014-02-08 10:45:56	2, IP camera	Staff	Lucia
	+27 photos 2014-02-08 10:45:11	2, IP camera	Staff	Oscar
	+27 photos 2014-02-08 10:45:06	2, IP camera	Staff	Oscar



Datasheet

Compatible with: ViFence Stryker.

Management System: web 2.0

Cameras: it supports cameras with the following characteristics:

- Analog and IP
- At a minimum, CIF resolution
- Varifocal 1/3" 4-12 mm optics
- Infrared for night vision
- Color
- Black and white

Algorithm is robust against:

- typical gesture changes
- pose (+/- 15° deviation from frontal image)
- partial face occlusion
- beard and hairstyle changes
- glasses (except dark sunglasses)
- lighting variations that do not cause strong shadows

Minimal still image requirements for facial recognition:

- sharp image
- inter-pupil spacing larger than 32 pixels
- at least 64 grayscale values within the face area

Image requirements for optimal facial recognition:

ISO 19794-5 compliant Token Frontal or Full Frontal Images

Features:

Instantly detects, tracks, recognizes and analyses people in live video streams or video footage.

Product features include:

- stores lossless compressed video sequences of cropped faces (face streams) of each appearance of a person in front of the attached cameras
- tracks multiple faces simultaneously
- compares all appearances of persons against each other in real time to determine identities
- allows the detection of complex events and statistics based on Visits of Persons
- compares all appearances of persons against user-defined galleries of portrait images
- performs anonymous video analytics for digital signage and people flow management applications
- provides rich graphical user interface with expandable pop-up screens
- provides pre-defined sets of event detectors for each edition; custom event detectors are supported

