



hi-tech facial recognition

## HIGH PERFORMANCE FACIAL RECOGNITION FOR CROWDED ENVIRONMENTS

### BioSurveillance

BioSurveillance is a high performance video-surveillance solution for facial recognition, especially designed for the simultaneous identification of subjects in crowded and changeable environments. Optimized for GPU architectures, it works 50 times faster than traditional systems and it is capable of processing very high-resolution video streams.

Our technology makes it possible to enroll subjects automatically through video capture (on-the-fly) and works correctly even with partial facial occlusions, use of glasses, handkerchiefs or caps, changes in facial expression, difficult lighting conditions and slight rotations of the face.

#### CHARACTERISTICS

- Recognition up to 500 fps with high resolution IP cameras
- Fully automatic and non-invasive technology
- Works properly on changes of facial expression, illumination, beard, eyeglasses, scarfs and caps
- Subjects can be enrolled from one or more photos or videos
- Integration API available

#### ID MANAGEMENT

- Automatic subject enrollment
- Multiple watch lists
- Runtime alarm management, highly tuneable
- Compact, flexible system with multilingual management
- Alarms can be exported and visualized on mobile devices

#### TECHNICAL DATA

Type of identification	Face, contactless, at a distance, on the move
Performance	Up to 500 fps in 1080p HD videos
Database performance	One out of 35M user search in real-time with a conventional PC
Video capture resolution	UHD - 8K cameras
Resolution in detection	Faces from 12 pixels interocular distance (IOD)
Resolution in recognition	Faces from 24 pixels IOD, 50 pixels recommended
Resolution in logging	Faces from 50 pixels IOD, 75 pixels recommended

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