BioSurveillance

FACIAL RECOGNITION FOR NON-CROWDED ENVIRONMENTS

BioSurveillance is a facial recognition solution especially designed for the simultaneous identification of subjects.

Herta's essential solution, BioSurveillance, detects multiple faces in real-time, incorporates on-the-fly video enrollment, identifies previously trained individuals, and facilitates run-time management of alarms and individuals.

This technology **yields excellent performance despite partial occlusions of the face**, use of glasses, caps, changes in facial expression, difficult illumination conditions and moderate rotations of the face.

FEATURES

- Fully automatic and **non-invasive technology**
- Supports changes in facial expression, lighting and presence of glasses, beards, scarves or caps
- Ability to **register subjects** from one or several photos and videos
- **Mask detection**
- Integration **API** available
- Compatibility with BioMarketing and BioMaster

ID MANAGEMENT

- Automatic subject enrollment
- Up to 5 different watchlists
- **Runtime alarm management**, highly tunable
- Compact, flexible system with multilingual management
- Alarms can be exported and visualized on mobile devices

Technical Data

Type of identification	Contactless, at a distance, on the move for ≤ 5 faces.
Performance	Up to 600 fps in 1080p HD videos.
Database Size	Up to 50,000 subjects.
Maximum resolution	UHD - 8K cameras.
Resolution for detection	Faces from 10 pixels interocular distance (IOD).
Resolution for recognition	Faces from 24 pixels IOD, 50 pixels recommended.
Resolution for enrollment	Faces from 75 pixels IOD recommended.

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