



## BioSurveillance

### Research

Herta invests heavily in R&D to ensure a sustainable competitive advantage.

### Innovation

Innovation is the key factor in our technological development, resulting in products becoming industry benchmarks.

### User-oriented

We believe that the key to success in biometric applications is designing them with the end-users in mind.

### Biometric security

Over 10 years of expertise in speech, face, iris and fingerprint recognition. Our expertise also covers multimodality and biometric encryption.

## BIOMETRIC VIDEO SURVEILLANCE

Face recognition is one of the least invasive biometrics, since data is captured effortlessly and generally involving no user interaction. Our video surveillance solution, BioSurveillance, detects multiple faces in real-time, facilitates runtime management of alarms and users and incorporates on-the-fly video enrollment.

Our technology works correctly on partial occlusions of the face, glasses, scarfs, caps, changes of facial expression, shadows, extreme or poor lighting conditions, and on moderate rotations of the face.

BioSurveillance is the right solution for crowded environments such as airports, train or metro stations, shopping malls, sport stadiums or urban centres.

## SPECIFICATIONS

- Real-time multiple face recognition
- Analyzes multiple cameras simultaneously
- 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 video
- Integration API available

## ID MANAGEMENT

- Automatic subject enrollment function
- Allows for multiple watch lists (blacklists / whitelists)
- Runtime alarm management, highly tuneable
- Compact, flexible system with central multilingual management
- Alarms can be exported to PDF format and visualized on remote mobile devices (Android, Apple)

# BioSurveillance



## INSTANTANEOUS MULTIPLE RECOGNITION

<b>Type of identification</b>	Face, contactless, at a distance, on the move
<b>Performance</b>	Recognition of unlimited number of faces, up to 20 simultaneously without delay
<b>Database performance</b>	One out of 500,000 user search in less than 1 second with a conventional PC
<b>Video capture resolution</b>	High definition
<b>Resolution at detection</b>	Faces larger than 20 x 20 pixels
<b>Resolution at recognition</b>	Faces larger than 70 x 70 pixels, recommended 100 x 100 pixels
<b>Resolution at enrollment</b>	Faces larger than 100 x 100 pixels, recommended 150 x 150 pixels
<b>Face rotation</b>	Optimal up to 30°, either horizontal or vertical



Herta Security's video surveillance technology ensures real-time multiple face recognition in highly crowded environments.



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