

### Company

Herta Security is a world leader in the development of cutting-edge facial recognition solutions. The company offers fast, accurate, robust, end customer oriented solutions for video surveillance, access control, and marketing requirements.

### Research

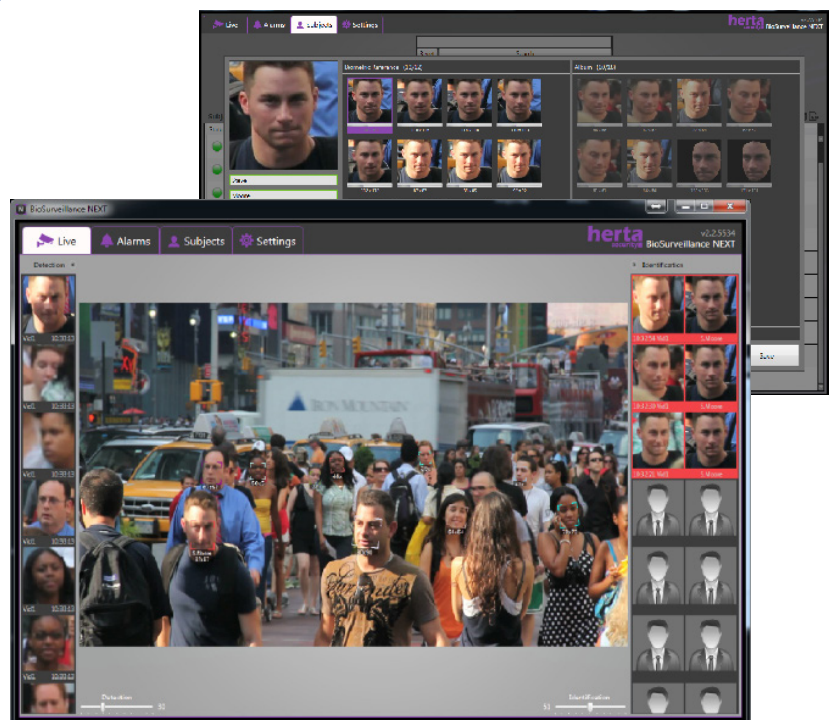
Herta invests heavily in R&D to ensure a sustainable competitive advantage.

### 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.



*BioSurveillance NEXT permits the immediate identification of subjects in busy, crowded environments in constant movement.*



# BioSurveillance NEXT

## FACIAL RECOGNITION IN CROWDS

BioSurveillance NEXT 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 40 times faster than traditional systems (up to 150 fps), and works with 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 concealment, wearing of glasses, handkerchiefs or caps, changes in facial expression, difficult lighting conditions and slight rotations of the face.

BioSurveillance NEXT is optimized for environments with large crowds in constant movement, such as airports, metro and train stations, shopping centres, sports stadiums and urban centres.

## SPECIFICATIONS

- Recognition up to 150 fps with high resolution IP cameras
- 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 videos
- 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 multilingual management
- Alarms can be exported to PDF format and visualized on remote mobile devices (Android, Apple)

## INSTANTANEOUS MULTIPLE RECOGNITION

<b>Type of identification</b>	Face, contactless, at a distance, on the move
<b>Performance</b>	Up to 150 fps in 1080p high resolution videos Up to 10 cameras
<b>Database performance</b>	One out of 200,000 user search in real-time with a conventional PC
<b>Video capture resolution</b>	High definition - 4K cameras
<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



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