herta security

TSecNet
Technology Security Networking

BioSurveillance NEXT

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.

FACIAL RECOGNITION IN CROWDS

BioSurveillance NEXT is a high performance video-surveillance solution for facial recognition, specially 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 record subjects automatically through (on-the-fly) video capture, 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
- 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)

Building your biometric solution

BioSurveillance NEXT

INSTANTANEOUS MULTIPLE RECOGNITION

Type of identification	Face, contactless, at a distance, on the move
Performance	Up to 150 fps in 1080p high resolution videos
Database performance	One out of 500,000 user search in less than 1 second with a conventional PC
Video capture resolution	High definition
Resolution at detection	Faces larger than 20 x 20 pixels
Resolution at recognition	Faces larger than 70 x 70 pixels, recommended 100 x 100 pixels
Resolution at enrollment	Faces larger than 100 x 100 pixels, recommended 150 x 150 pixels
Face rotation	Optimal up to 30º, either horizontal or vertical

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