



# BioSurveillance Next

## HIGH PERFORMANCE FACIAL RECOGNITION FOR CROWDED ENVIRONMENTS

**BioSurveillance NEXT** is our high-performance software 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.



### FEATURES

- **Recognition up to 600 fps** over high resolution IP cameras
- **Unlimited database** size and watchlists
- **Unlimited face detection** per frame
- Possibility of enabling thresholds per camera
- Integration API available
- Compatibility with all Herta products



### ID MANAGEMENT

- **Automatic** subject enrollment
- Multiple 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     | Face, contactless, at a distance, on the move.                  |
| Performance                | Up to 600 fps over 1080p HD streams.                            |
| Database performance       | One out of 60M user search in real-time with a conventional PC. |
| 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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