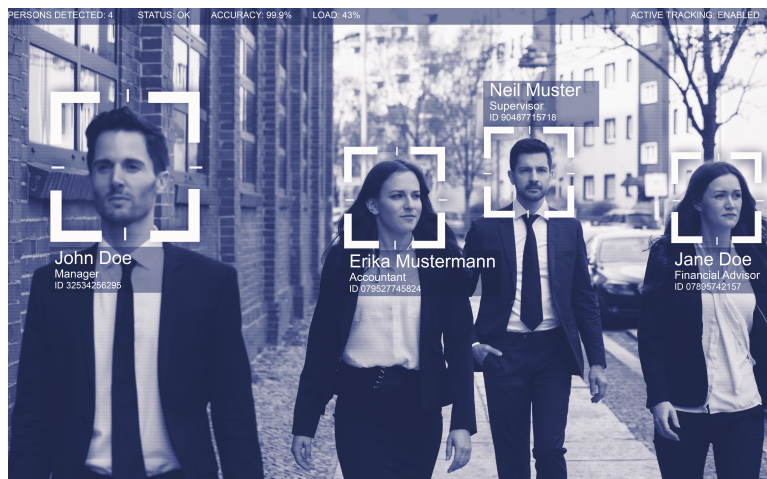# BioSurveillance NEXT
HIGH PERFORMANCE FACIAL RECOGNITION
FOR CROWDED ENVIRONMENTS

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.

PERSONS DETECTED: 4   STATUS: OK   ACCURACY: 99.9%   LOAD: 43%   ACTIVE TRACKING: ENABLED

Neil Muster
Supervisor
ID 90487715718

John Doe
Manager
ID 32534256295

Erika Mustermann
Accountant
ID 079527745824

Jane Doe
Financial Advisor
ID 07895742157

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
- **Mask detection**
- 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 100M 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.

Contact

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