

# Wavestore Facial Recognition

## High performance facial recognition for crowded environments

Wavestore Facial Recognition 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.

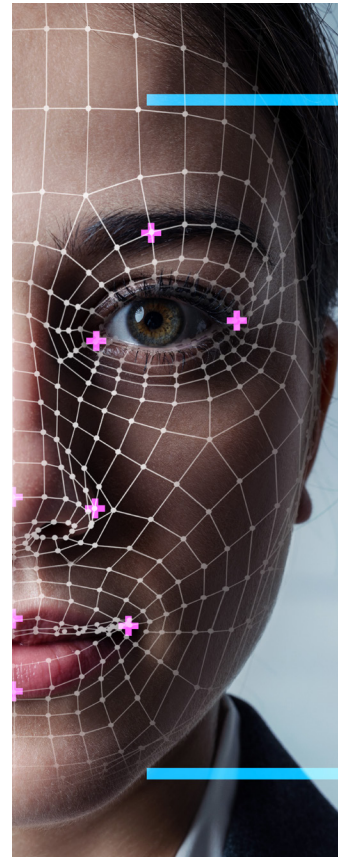
Our technology makes it possible to enroll subjects automatically through video capture partial facial occlusions, use of glasses, handkerchiefs or caps, changes in facial expression, difficult lighting conditions and slight rotations of the face.

### 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 Wavestore software levels

### 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.                           |