# Wavestore integrates...

## Herta Facial Recognition

## Main Features of the integration

- Wavestore and Herta together provide a best-in-breed solution for video, data and facial recognition management

- Add video to facial recognition events and benefit from real-time, on alarm and easily searchable post-event viewing

- View video of events in real time, such as 'subject of interest' or 'VIP'

- Easily search for facial recognition events from any keyword, such as person's first name, surname or any other database credentials and instantly bring up video and backup using Wavestore's 3-click evidential export function from associated cameras

- One screen, total control – Just one operator screen to seamlessly manage events from CCTV, facial recognition and other integrated technology

- Ability to customise actions to trigger events, such as when a person of interest presents a token to a specific door reader, any number of actions can be performed thanks to the Wavestore rules engine

- Use your preferred brand of camera for facial recognition capture – Wavestore is compatible with a wide range of vendors and technologies

- Mix and match Herta software applications, such as BioSurveillance and BioMarketing, on the same system

**For further information, please visit the 'Technology Partner' section of Wavestore.com**

## The integration

Wavestore integrates with the full suite of Herta products:

**S** BioSurveillance – Matches captured faces in real-time against a database for standard surveillance applications

**N** Bio Surveillance Next – Matches captured faces in real-time for surveillance applications that can feature very crowded and changeable environments

**F** BioFinder – Forensic tool that is able to find subjects from recorded video at speeds faster than that of real-time

**A** BioAccess – Allows facial recognition to be used to grant subject access through doors and turnstiles as part of an integrated CCTV and Access Control solution. Users can be enrolled to the subject database 'on-the-fly' by video capture

**M** BioMarketing – Allows parameters such as gender, approximate age, use of glasses and other facial expression to be recognised

**Additional Herta modules –**

A host of additional modules can be added to the Herta system to provide functionality such as automatic enrolment, and image importation.

**For further information regarding integration with other Herta products please contact Wavestore.**

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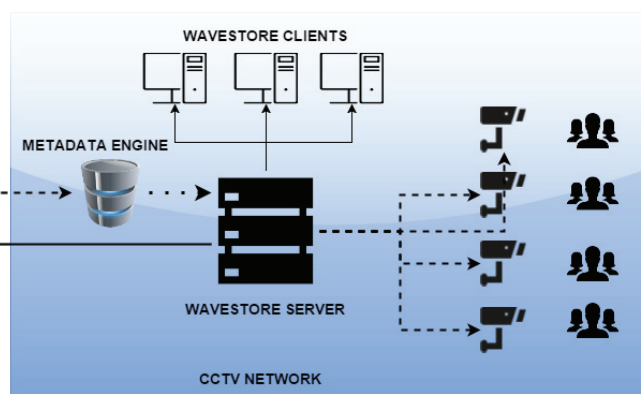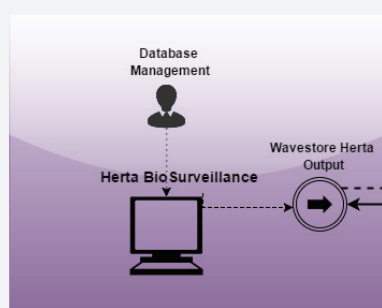## Bio Surveillance & Bio Surveillance NEXT

### Server side

Wavestore's VMS can be installed on Wavestore's own range of servers, or on a host of compatible third party brands, providing video, data and recording management across the end-customer's site. Herta software, which runs on separate Windows™ based computers to a minimum specification, gives users full access to enrolment and administration of the facial recognition features.

**Herta Windows PC, minimum specifications:**

| Products / Cameras | 1 Camera (720p) | 1 Camera (1080p) | 2 Cameras (720p) | 2 Cameras (1080p) | 4 Cameras (720p) | 4 Cameras (1080p) |
|---|---|---|---|---|---|---|
| **BioSurveillance** | CPU: 2 cores 4 threads 2,2GHz RAM: 4GB | CPU: 4 cores 2,5GHz RAM: 4GB | CPU: 4 cores 8 threads RAM: 4GB | CPU: 4 cores 8 threads 3,2GHz RAM: 8GB | CPU: 4 cores 8 threads 3,5GHz RAM: 8GB | CPU: 6 cores 12 threads 3,5GHz RAM: 16GB |
| **BioSurveillance NEXT** | CPU: 4 cores 2,5GHz RAM: 4GB GPU: GTX 660M | CPU: 4 cores 2,5GHz RAM: 4GB GPU: GTX 660 | CPU: 4 cores 8 threads 3,2GHz RAM: 4GB GPU: GTX 670 | CPU: 4 cores 8 threads 3,2GHz RAM: 8GB GPU: GTX 670 | CPU: 6 cores 12 threads 3,5GHz RAM: 8GB GPU: GTX780 | CPU: 6 cores 12 threads 3,5GHz RAM: 16GB GPU: GTX 780 |



In order to facilitate integration between Wavestore and Herta there is a middleware module available from Wavestore called '**Herta Bridge**', which is easily installed via an install wizard on each computer running Herta software. This establishes connection to Wavestore's '**Metadata Engine**', which is an option you must include when specifying your Wavestore VMS edition. By changing simple setting on the '**Herta Bridge**' application, users can define the kind of event that is communicated to the Wavestore '**Metadata Engine**':

1) **Detection event**
   When the Herta system detects a face in front of the camera (face detection)

2) **Identification event**
   When the Herta system detects a face and then looks for a match from its database

Images from cameras selected to facilitate facial recognition from across the site are streamed from the Wavestore VMS server to the Herta system, which in turn checks faces against its database in real-time. Herta processes the captured image and sends back any associated data to the Wavestore 'Metadata Engine'.

For real-time facial recognition applications, each Herta computer can manage up to 4 camera streams (depending on specification) and multiple computers can also be used within a system. The Wavestore VMS can handle up to 192 cameras per server (depending on specification) and the relevant camera streams for facial recognition are transmitted to the Herta system.

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## Client side

Wavestore's 'WaveView' client software application can be installed on multiple client machines to access the Wavestore server(s). WaveView provides complete live monitoring and playback control of cameras and other devices as well as enabling data from the Herta system to be monitored and controlled from the same screen. This allows an operator to view live video, search for events or manage triggers linked from access control events either in real time as they happen or via post-event interrogation, including bringing up video from text search such as a subjects name. Operators are then able to easily stitch together video from time-synchronised events using Wavestore's 3-click evidential export function.

## About Wavestore

Wavestore's truly independent open platform Video Management Software (VMS) enables users to achieve maximum return on investment from their security solution by unlocking its full potential.

Sitting at the very heart of a security system, Wavestore combines powerful 'any source' video, audio and recording management with deep integration across multiple technologies from a wide range of third-party technology providers. These include leading camera, video analytics, access control, recording and sensor providers, making it possible for users to effortlessly operate, monitor, control and manage a best-in-breed total security solution – and all from a single screen.

WEBSITE:
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## About Herta

Herta Security is a world leader in the development of cutting edge facial recognition solutions. Offering fast, accurate, robust, end-customer oriented solutions for video surveillance, access control and marketing requirements' Herta's solutions are designed to strengthen the safety in areas that include airports, train and metro stations, banks, casinos, sport stadiums, shopping malls, police and safe cities.

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