

# FACIAL RECOGNITION SMARTVIS IDENTIFIER

## VIDEO ANALYTICS TO DETECT, IDENTIFY AND VERIFY INDIVIDUALS

SmartVis Identifier, Digital Barriers' highly advanced facial-recognition software, will analyse live video footage to detect and match subjects against a watchlist of known individuals.

It works quickly and accurately by comparing real-time and historic footage of faces to others already kept on a database.

Not all facial-recognition biometric capabilities are created equal

SmartVis Identifier has been purpose-designed to detect, identify and verify individuals quickly and accurately in video footage.

In comparison to other facial-recognition technologies, which rely on a subject looking directly at the camera in steady lighting, Digital Barriers' cutting-edge solution can analyse faces from a variety of angles and distances.

Faces captured can be checked against one or multiple watchlists, such as staff, high-risk individuals, regular visitors and former employees.

Sightings can then be shared with designated members in an access group, to both fixed and mobile asset users.

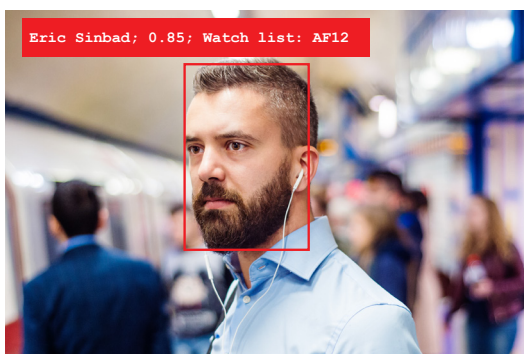
### Providing new operational possibilities and options

High-definition IP cameras can be placed overtly or covertly to cover an entry point, information desk, escalator exit point, doors, loading bay - anywhere visitors can be found passing through an area.

SmartVis Identifier is available both as a re-deployable and fixed solution.

Your centralised database, stored on a specialised on-site or cloud-based server, logs all sightings and shares watchlists. This information can also be made available to security staff via their mobile devices.

By quickly identifying high-risk individuals on a watchlist, an early and effective operational response can be achieved.



### Key features and benefits:

- Respond promptly as known individuals are detected earlier
- Verify authorised personnel for high-security locations and events
- Robustly and reliably identify people whose appearance may have changed significantly
- Achieve significantly higher accuracy than any human can in a similar environment
- Search through thousands of faces on watchlist in less than a second – without any risk of human fatigue
- Access to watchlist
- Share sightings immediately with users in access group
- Use historical sightings to build a picture of an individual's pattern of movement
- Add new people instantly for more comprehensive watchlist
- Fully encrypted system

### Operational domains

SmartVis Identifier is ideally suited to covertly and overtly monitor commercial buildings and large arenas or provide VVIP protection.

For example it can be used to provide early warning of the presence of known troublemakers approaching a stadium, recognise known shoplifters before they enter a store, identify a hotel's VIP clients before they reach the reception desk or allow security staff to restrict access to certain known individuals.

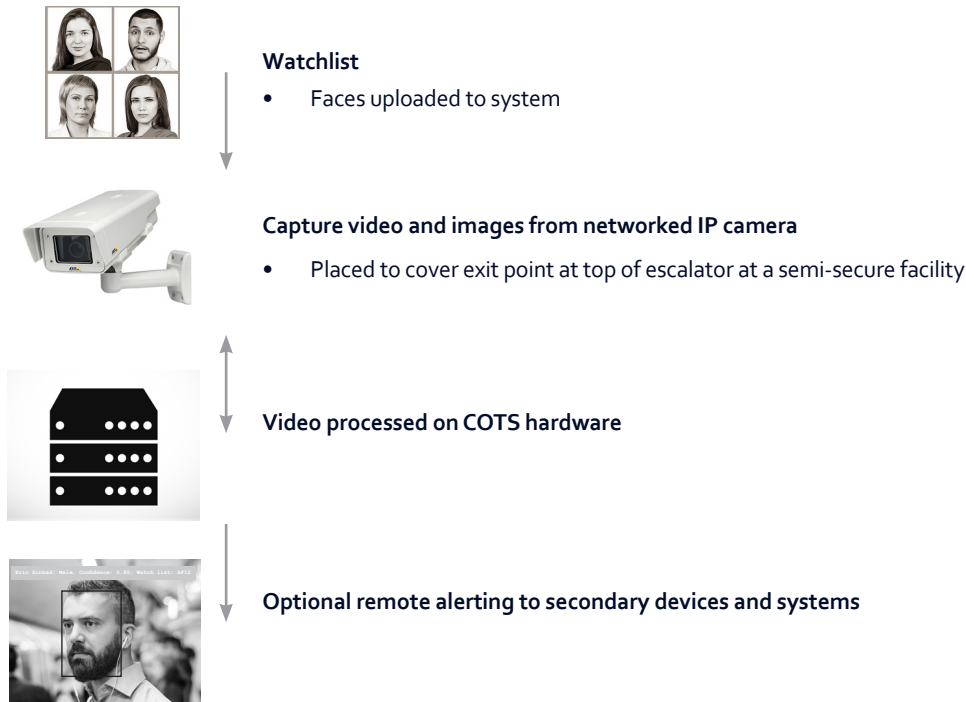
- Intelligence gathering
- Identity verification
- Perimeter protection

## Facial recognition

SmartVis Identifier robustly and reliably identifies and recognises subjects against a known watchlist. It has been designed to work in non-controlled environments.

The system's deep learning artificial intelligence understands many different characteristics of the face that uniquely identify an individual.

It learns dynamically and, whilst the enrolment photo is recommended to be face on, SmartVis Identifier is able to detect faces at offset angles.



## SmartVis Identifier - The Facts

- Best results are obtained from cameras in reasonable lighting conditions, however, SmartVis Identifier can deal with a variety of lighting conditions
- Optical zoom can be used for cameras at a greater distance
- The system can be covertly or overtly positioned
- System can be deployed as a fixed or portable solution - providing permanent or temporary protection
- Cameras - up to 1080p
- Security: Industry-standard encryption
- Matches and watchlists can also be accessed using the SmartVis Identifier Mobile phone app

## Hardware specifications

- Laptop, desktop or server running Windows 10
- Intel i7 or better recommended. 8GB or more of RAM.
- Video Card: NVIDIA® with Kepler, Maxwell or Pascal architecture with minimum 4GB VRAM and 640 cores (e.g. GTX 1050)
- CUDA Compatible NVIDIA GPU (GTX 1050 or better recommended)

**Digital Barriers can tailor a solution to meet your organisation's exact needs - please contact us for further information**

SmartVis Identifier is available from Digital Barriers and key technology partners



**Digital  
Barriers**

Contact Digital Barriers or your local reseller for further details on our solutions

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