



One-pager

Biometrics for Public Security

Video Analytics for Preemptive Security

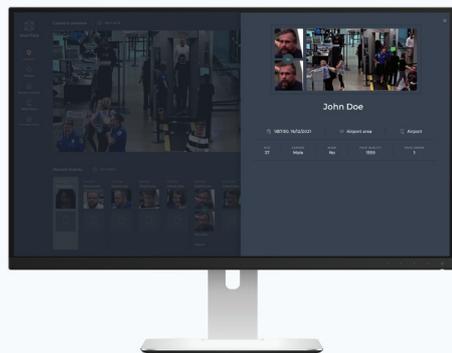
SmartFace for Public Security helps you prevent security incidents from happening by leveraging state-of-the-art computer vision technology. Unlock the hidden potential of your existing surveillance system so it can detect and recognize human identities and a variety of objects. Issue instant alerts and notifications, record incidents, and make them searchable and actionable.

Machine Learning-Based Video Processing

With a proven track record of delivering biometric projects globally for various government and enterprise customers, Innovatrics face recognition ecosystem supports various use cases and deployments options.

Accurate face identification in real time and user interface enables you to timely intervene or prevent security incidents at airports, shopping centers, public transportation, or any other public areas.

- Accurate face recognition
- Face detection
- Appearance detection and tracking



Watchlists and Notifications

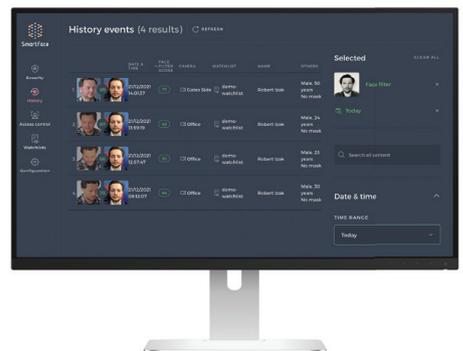
Our easy-to-use watchlist management helps prevent security incidents by swiftly blocklisting unwanted persons and sending alerts about their presence. Instant notifications for a detected and matched person or body minimize the time to action.

- Multiple watchlists and autolearn
- Smart notifications

Review and Investigate with Video Analytics

Solving a security incident or searching for a suspect entails browsing over a large quantity of video files and images. SmartFace History view with robust filtering and search functionality provides powerful insights into entity relations that would otherwise stay hidden.

- Records filtering
- Search by face



Hardware & Software Agnostic

SmartFace can run anywhere on Windows Server solutions, Linux and Jetson devices. It supports all IP and USB cameras or video files as an input and enables deployment on embedded and OEM devices.

As such, you can either centralize stream processing, or process each camera at/near its location and only transfer notifications, which dramatically lowers network requirements.

Our solution does not require a GPU, but can also utilize it to increase performance and run on as many devices as possible.



SmartFace Platform

SmartFace detects and tracks faces in parallel video streams from multiple IP cameras without compromising speed and accuracy. The power of our high-quality facial recognition algorithms supports any instant identification scenario for access control, surveillance, video investigation, and other purposes.

Hardware Independent

HW & SW Requirements

Operating system

Windows Server 2016 (x64),
Windows Server 2019 (x64), Windows 10,
Linux (any distribution supporting Docker containers),
Nvidia Jetson Xavier NX
and Jetson AGX Xavier

Database

Ms SQL Server 2016+,
Postgre SQL 13.2+, Minio DB

Sizing recommendation

Minimum 2 GB for SmartFace + approx.
10 MB/camera/day

Supported cameras

All IP cameras supporting RTSP
Web cameras
Mobile phone cameras

Supported video formats

All standard video formats

Supported GPU

CUDA compatible, min. 4 GB RAM

Sizing Recommendations

RAM per camera*
3GB

CPU per camera*
1x 2.6GHz CPU physical core

Bandwidth per camera*
4 – 8 Mbps

Multiple faces tracking
Yes

*1.HD camera (1280x720.px), 25fps .

Integration

Interface

REST API, OData API, GraphQL API

Message notifications

ZeroMQ

SmartFace Features



Multiple video streams processing



History preview and Face search



Watchlists and notifications



Hardware Agnostic



We are an independent EU-based provider of multimodal biometric solutions. Our algorithms consistently rank among the fastest and most accurate in fingerprint and face recognition. Since 2004, we have partnered with all types of organizations to build trusted and flexible biometric identification solutions. Our products are being used in more than 80 countries, benefiting more than a billion people worldwide.