



One-pager

Biometrics for Public Security

The Brains for Your Security Cams

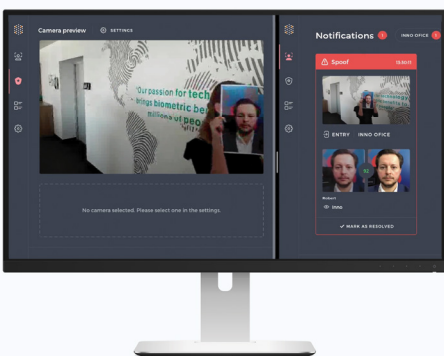
With the capabilities of our facial recognition platform SmartFace, your security & surveillance systems become searchable, actionable and quantifiable.

Count on Biometrics to Monitor the Situation

Equipped with facial biometrics and smart tools, SmartFace can analyze multiple video streams. You can save on resources, mitigate risks and minimize the time to action.

Watchlist Management

- Instant notifications for a detected and matched person or object of interest
- Multiple watchlists with flexible management
- Real-time alerts with user security detail
- Exceptional accuracy of facial recognition guaranteed by Watchlist Autolearn



Prevent Security Incidents

Monitoring large areas over multiple camera streams can be overloaded with irrelevant information. The performance of such monitoring is questionable, leading to plenty of missed security incidents and false alerts.

Alerts & Notifications

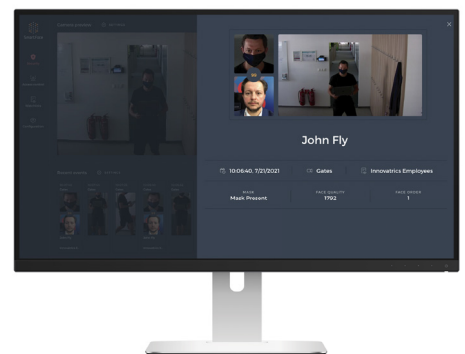
- Predefined security incident detection and alerting (fight, fallen person, etc.)
- Instant notifications with details of the event
- Face mask detection
- Liveness detection for unsupervised area monitoring

Accelerate Post-Event Investigations

Solve any security incident by quickly processing multiple video files with faster-than-real-time video processing. You can also search for a person of interest from all detected and grouped individuals.

Video Analytics

- Faster-than-real-time video processing (approx. 10x faster on average)
- Instant search of a person of interest
- Filter individuals and objects according to the related metadata



Integrate with any Hardware and/or Software



By fully supporting Windows and Linux operating systems together with the powerful NVIDIA Jetson, SmartFace can support various situations and deployment architectures including remote areas, cloud, wearables, and embedded devices.



HW & SW Agnostic

- Supports all IP and USB cameras or video files as an input
- Enables deployment of Embedded and OEM devices



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 10, Linux

Database
MS SQL Server 2016+, PostgreSQL

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

Supported cameras
All IP cameras supporting RTSP
Thermal cameras
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

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

Integration

Interface
REST API

Message notifications
ZeroMQ

SmartFace Features



Facial Recognition for Real-World Situations



Complete Feature Set for Any Facial Recognition Use Case



Watchlist Autolearn



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.