



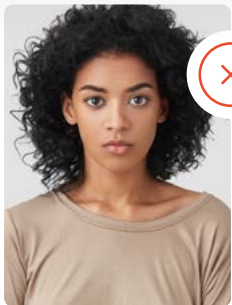
One-pager

# Face Mask Detection

SmartFace can accurately detect a face mask even in degraded lighting conditions and notify the person to wear it correctly. It can also reject access if the person is not wearing one or has a hat and sunglasses on.

SmartFace is able to detect if a person wears a face mask or not.

It can also check if the face mask is worn properly, making sure the nose is fully covered.



No mask



Mask present



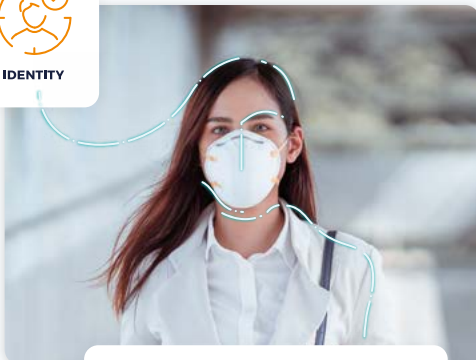
Nose tip not covered



Nose tip covered



IDENTITY



**Diane Clarke, Female**  
Face mask: yes

## Easily Enforce Security Measurements During the Pandemic

- Get instantly notified when a person is not wearing a face mask or not wearing it properly
- Prevent a person not wearing a face mask from entering your premises
- Detect and even recognize multiple faces in one frame

# 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 is a scalable facial recognition platform able to detect and identify faces and human appearance across multiple camera streams with top accuracy in real time. The power of our high-quality facial recognition algorithms supports any instant identification scenario for access control, pre-emptive security, video investigation, and retail analytics.

### 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



Watchlist 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.