Face Analytics for

milestone | XProtect®

SAIMOS® Face Analytics for Milestone XProtect® effectively and reliably detects and recognises faces. The simple rule system offers many possibilities to implement face analytics throughout various industries.

For example, Face Analytics can be used for **access control, backlisting of shoplifters**, etc.

SAIMOS® Face Analytics uses **state-of-the-art AI systems** to detect, recognize and compare faces. It's **optimised for Intel® CPU's, Intel® Movidius™ Vision Processing Units and GPU**. The user-friendly interface provides step-by-step configuration enabling fast setup times as well as alarming and reporting from within Milestone.

Potential use cases specialise on **real time alerting** (based on **black-/whitelist**) and flexible reporting of detected and recognized faces as. Also, **forensic analysis** for investigations are supported.

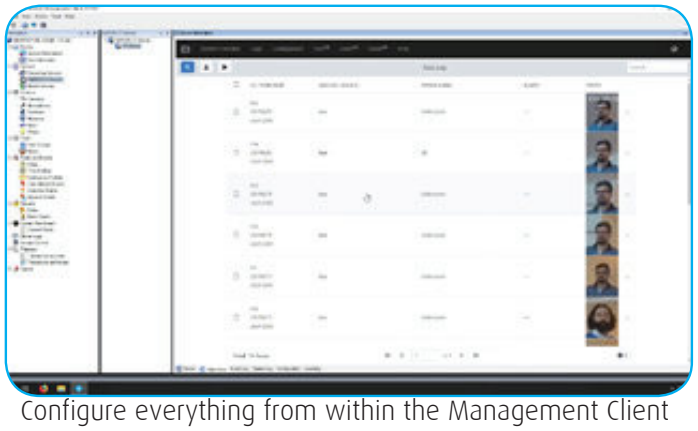
Now you can fully use **SAIMOS® Face Analytics from within Milestone XProtect®** by simply installing our SAIMOS® Video Analytics Plugin for Milestone!

The system is **fully integrated into Milestone XProtect®** Essential+ or higher and can be configured directly from within the Milestone XProtect® Management Client. The simple scene calibration and rule definition allows an initial configuration within just a few minutes.

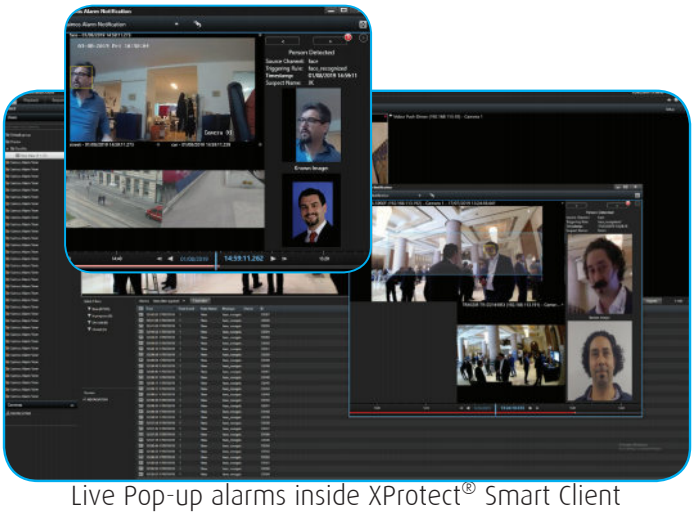
Pop-up alarm windows with sound are integrated within the Milestone XProtect® Smart Client.

Face features are **stored as binary vectors** from which **faces cannot be reconstructed** and thus **supports personal data protection.**

Please contact us for further details: contact@saimos.eu ■ www.saimos.eu



Configure everything from within the Management Client



Live Pop-up alarms inside XProtect® Smart Client

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SAIMOS®

Use Cases

Access Control	Face Analytics in its one to one comparison mode complements access control systems. Our REST API allows a flexible integration. Custom integrations for access control systems are possible as well.
Black-/Whitelisting	Face Analytics supports Black-/Whitelisting to e.g. secure buildings, stadiums, shops or homes. Faces added to black- or whitelists will trigger an event. Based on such events, an action can be triggered when e.g. a VIP or an unwanted person is detected.
Forensics	Face Analytics in its forensics mode enables the search for suspects in archive material and optimizes the investigation time. Face Analytics Pro can use a live face database, VMS system or exported videos as input. The right setup will reduce investigation time from days to seconds.
Retail	In retail, it's worth to know your customer's retention times but also the number of re-visits over a certain period of time. Further, it's useful to know the customer segmentation by gender and age over time. In addition, potential shoplifters can be blacklisted to inform the security when such a person enters the premises.
Investigation	Criminal investigations can be enhanced by using a combination of live and forensic mode. The live mode will detect faces and use the blacklist mode to trigger alerts while the forensics mode will use the collected live face database to create detailed reports.

Key Features

Algorithms	■ Face detection and recognition ■ Black-/Whitelisting ■ Face to face comparison ■ Face search
Configuration	■ Automatic camera detection ■ Unlimited number of individually configurable alarm zones ■ Easy calibration ■ Optimized for 24/7 real-time application ■ User-friendly browser-based interface with responsive design
Stream Integration	■ Seamless integration into Milestone XProtect® ■ RTSP (H.264, MJPEG, MPEG4 | TCP / UDP) ■ HTTP or HTTPS (MJPEG, H.264, MPEG4)
Events	■ Integrated event monitor for alert image and alert video snippets ■ Email events with alert image and alert video snippet ■ Triggered Events (TCP | HTTP | Events in third party systems)
Technical Requirements	■ Pixel per face (min.): 70 – 100 ■ OS: Windows or Linux ■ RAM: min. 4 GB ■ HDD: min. 5 GB ■ CPU: Intel i5/i7 6th generation or higher (4 cores per channel)