



SECUROS FACE X

FACE AS A CREDENTIAL FOR ACCESS CONTROL

Security and operations teams strive to create a safe and productive environment for building guests and tenants. The SecurOS™ FaceX as a Credential solution helps move people through spaces safely, quickly and seamlessly with Touchless Access Control.

SecurOS FaceX seamlessly integrates with Access Control Systems (ACS) allowing a person's face to be their credential, creating a frictionless and secure access solution. The face can also be combined with other credentials to provide multifactor authentication. The system does not require proprietary cameras and can operate with a variety of camera manufacturers to create a visually appealing installation.

Technology Overview



Unlimited Database Size:

Create an unlimited amount of watchlists and people in them.



Data Security:

All personal data is encrypted in transit and at rest.



Neural Network Based Algorithms:

High recognition accuracy, especially under challenging conditions.



Non-proprietary Hardware:

All camera vendors are supported and can be used.

Key Features



Seamless Integration with ACS Systems

Existing integration with all major access control systems.



High Performance in Low Light

System performs well in low-light and does not require additional lighting fixtures to be installed at doors / turnstiles.



Frictionless Access

No need to stop or slow down. Entire identification process and opening the door / turnstile is done in less than 500ms.



High Performance in Low Light

System performs well in low-light and does not require additional lighting fixtures to be installed at doors/turnstiles.



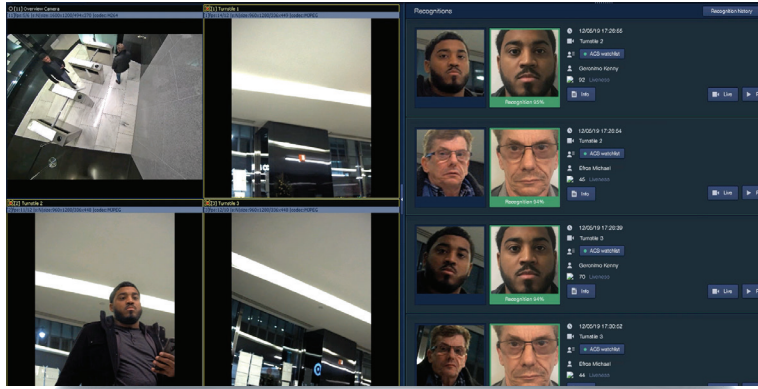
Anti-spoofing

Check for face liveness, and ensure that printed photos or images from mobile devices will be flagged as spoofing alarms.



Single Enrollment Interface

Synchronize ACS Person DB with SecurOS FaceX Person DB to provide a single enrollment interface.



Integration with Access Control Systems

The SecurOS™ ProxCom 211 ACS Metadata Controller enables hardware-based integration of SecurOS FaceX with virtually any access control system, to support single-factor or multi-factor authentication with minimal or no upgrade of existing infrastructure. SecurOS FaceX will use the face recognition results as credentials (sent as a Wiegand/OSDP output) for authentication, replacing the smart-card, RFID tag, keyfob, etc...

SecurOS ProxCom 211 helps to create more reliable and fail-safe access control architecture. Video-analytics credential metadata is supplied directly to the access control controller without interaction with access control software.



System Specifications

Recognition quality ISO / IEC 19794-5 standard visa compliant photos Social network photographs (and mug shots) Face recognition by video stream	99.5% True Positive Rate @ 0.05% False Match Rate 97.8% True Positive Rate @ 0.05% False Match Rate up to 98% True Positive Rate @ 0.05% False Match Rate (if camera installation procedure and reference photo quality meet the technical requirements)
Number of people in watchlist	unlimited
Biometric template size	approx. 2Kb
Biometric template extraction speed	4 templates per second per 1 physical CPU core (2.5 GHz)
ACS communication protocol	wiegand, OSDP
Supported card formats	all card formats up to 100 bits
Camera type	IP, FullHD (1920x1080) resolution or higher
Camera vendor	all vendors supported
Resolution quality requirements Recommended distance between eyes Minimum distance between eyes	60 pixels 40 pixels

