



Welcome
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Gemalto Cogent LFIS Verify

A faster, easier, more secure access control system

The Gemalto Cogent LFIS Verify is a solution designed for physical access control and visitor identification utilizing a facial image as a replacement for traditional access control solution that uses a badge, pin or fingerprint. It identifies a person approaching an area targeted by a camera – such as an entrance, door, gate, room, aircraft, ship, etc. – and provides identification information to the entry point control system. The identification is a 1:N face match against a database of authorized/known persons. For unattended entry points, the advanced liveness detection feature can protect against spoofing attacks using photos or videos.

LFIS Verify can handle multiple lanes, gates, buildings, or sites using either a centralized or decentralized architecture to best fit the network or environment constraints of the customer.

LFIS Verify is a scalable solution that can be upgraded to LFIS Watch to interface with the video surveillance solution of a customer. Gemalto's Cogent LFIS Check SDK may be added to the system, adding the ability to perform authentication of a person with an ID document by doing a 1:1 match of the live face to the photo on the document.

LFIS Verify is designed for easy integration with existing access control, visitor management, or other identification solutions using feature rich RESTful APIs. The intuitive HTML5 user interface can be customized to suit the particular need of customers as well.

I. Benefits

- > **Secure:** eliminates issues related to badges such as swapping, loss, and theft
- > **Exceptionally user friendly:** no extra tokens/devices required and no intervention needed from end users.
- > **Fast and efficient:** this combination creates a positive user experience
- > **Simple to deploy for the IT and security team :** no painful and lengthy deployment of hardware tokens to end-users

II. Functionalities

- > "Face on the move" capture and tracking from live video – visitors/customers are identified as they walk through the entry point without stopping
- > 1:N (one to many) match to compare the face image captured in live video (of the person nearest to the camera) with the LFIS database of known/authorized persons
- > Identification for a single lane or multiple lanes
- > Real-time alerts for unauthorized persons

- > Advanced liveness detection with use of a 3D or IR camera to detect spoofing using photos or videos
- > Support for multiple watchlists and multiple groups within a watchlist. Custom lists can be created for distinct identification of groups, such as: employees, visitors, VIP, temporary workers/contractors, blacklisted persons, etc.
- > Support for configurable thresholds of different watchlists and cameras.
- > Customizable user interface for PC and mobile clients to display the appropriate messages about the person entering. LFIS clients may be web browser clients or local applications.
- > Interactive enrollment of personnel locally (e.g. at reception desk/customer service desk) ensures the capture of good, quality images for LFIS database matching.
- > Batch enrollment with periodic updates for authorized persons like employees, visitors, contractors etc. with demographic information
- > Feature rich RESTful APIs for easy third party integration with front-end and back-end solutions
- > Database synchronization between LFIS Verify clients and a central LFIS server
- > Export of all LFIS identification records
- > GDPR compliant

III. System and Performance

- > ONVIF compatible IP cameras are supported
- > Windows and Linux 64bit versions are supported
- > LFIS may be installed on-premises or in a public cloud service (AWS, Azure)
- > LFIS is easily scalable from a single server to spanning multiple servers
- > Face detection to match results are achieved in <100ms with GPU or <1000ms with CPU