

# SynFRS

## FACE RECOGNITION SYSTEM

**SYNERGYLABS** is a specialized Artificial Intelligence solution provider focusing on smart surveillance solutions using computer vision.

Face Recognition System is used to identify users from access control lists and verify their identity. Our FRS solution facilitates user management at run time and allows users to be enrolled on-the-fly by video capture.

This technology yields excellent performance despite partial occlusions of the face, the use of glasses, scarves or caps, changes of facial expression, and moderate rotations of the face.

Facial recognition technology is the perfect solution to control the access of users to physical locations such as buildings, offices, datacentres or restricted security areas.

### Overview

- **The face detection** process is an essential step as it detects and locates human faces in images and videos.
- **The face capture** process transforms analog information (a face) into a set of digital information (data) based on the person's facial features.
- **The face match** process verifies if two faces belong to the same person.

### System Benefits

- **View/Zoom/Print** and extract detailed report.
- **Customized** Dashboard
- **Detect**, Recognize and capture
- **Agnostic** to 3<sup>rd</sup> party Video Management System
- **Cost effective** and low maintenance
- **Works** with any IP Camera
- **Interoperable** among various systems
- **Exportable** and viewable reports
- **API/SDK** Available
- **Windows**



### System Feature

- Automatic user registration
- Creation of white and black lists
- Alarm management during execution, highly configurable
- Compact and flexible system
- Exportable and viewable alarms on mobile devices
- Supports changes of facial expression and Presence of glasses, face masks, scarves or hats
- Ability to register people based on one or various photos and videos
- Integration with third-party access control systems

### Application Area

- **Access and Security-**
- **Enforcement**
- **Restricted security area**
- **Smart Cities, offices and school**

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Description	Specification
<b>CAMERA SPECIFICATION</b>	
FRAME RATE	30 FPS
Resolution	2MP – 5MP
Format	1920 * 1080, 3840 x 2160
Interface	IP
WDR	120 db
HLC	Supported
BLC	Supported
VIDEO Compression	H.265 & H.265+, MJPEG
<b>LENS SPECIFICATION</b>	
Sensor	1/1.8"- 1/2.8", progressive scan, CMOS
Lens	5-50 mm
FOCUS	Automatic focusing and motorized zoom lens
Protocol	TCP/RTSP
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
IR Range	Smart-IR, up to 100m (328ft) IR range
Day/ Night Functionality	IR-cut filter with auto switch (ICR)
Power	DC 12V±25%, AC 24V±25% ,PoE (IEEE 802.3at) Power consumption: 13.7W
Ingress Protection	IP67