

## ProFace X (SL)

Advanced Anti-Spoofing Performance  
with 3D Structured Light Facial Recognition Technology



Advanced  
Anti-spoofing  
Algorithm



Masked Face



0.3s Rapid  
Facial Recognition



Up to 120cm  
Recognition  
Distance



Touchless for  
Better Hygiene



**ProFace X (SL)** adopts the pioneering 3D Structured Light technology for Facial Recognition. This 3D surface imaging technique calculates 3D data in the real world, such as the depth and distance, by actively projecting light spots to a target and calculates the disparity between the original projected patterns and the observed light coding patterns deformed by the surface.

Benefited from the power of the structured light to conduct liveness detection with 30,000 projected laser dot arrays, the terminal's anti-spoofing ability has been hugely enhanced, powerfully against 100% print and video attacks.

Also, using 3D Structured Light scanning, the resolution is typically high and the images captured could reliably determine the target's surface. Therefore, ProFace X (SL) can produce much more precise results than other facial recognition devices, and further reduce security risks.

ProFace X (SL) also helps eliminate hygiene concerns; not only because of the contactless recognition technology it is equipped with, but also because of the masked individual identification.

## Features

- 100% against all 2-dimensional spoof photo and video attacks
- Ultra-large capacity of face templates - 30,000 (standard) and maximum 50,000 face templates (optional) for 1:N facial recognition
- Rapid facial recognition within 0.3s
- Intelligent energy-saving design, precisely evaluates the distance up to 2.5m (8.2ft) between the user and the device by a microwave detector before waking up the recognition terminal
- 2MP starlight CMOS sensor camera with WDR function, enabling the terminal to recognize faces under sunlight
- 8" touch screen with 400cd/m<sup>2</sup>, which offers high visibility under strong and direct light
- Multiple communication methods: TCP/IP, RS485, RS232, Wi-Fi (optional)
- IP68 dust-proof and waterproof standard and IK04 protection standard; Light intensity: 0 to 40,000 lux

\* Facial recognition for masked individuals will increase FAR.

\* ProFace X (SL) could deliver the best performance under indoor environments without wind or direct sunlight.

# Specifications (GL Exclusive Feature)

## Capacity

GL Faces	30,000 (1:N) 50,000 (Optional)
Users / Cards	50,000
Transactions	1,000,000 (Optional) 2,000,000
User Photos	30,000
Event Photos	10,000

## Compatibility

Security Relay Box  
ZKBioSecurity Software

## Standard Functions

Access Levels, Groups, Holidays, DST,  
Duress Mode (Password), Anti-Passback,  
Record Query, Tamper Switch Alarm,  
Custom Wallpaper & Screen Saver

## Access Control Interface

Lock Relay Output  
Alarm Output / Auxiliary Input  
Exit Button / Door Sensor

## Special Functions

- GL IP68 & IK04
- GL 0.3s Rapid Facial Verification  
Liveness Detection  
HTTPS Communication Encryption (Optional)
- GL Event Snapshot

## Hardware

- 900MHz Dual Core Customized AI CPU
- GL 512MB RAM / 8G Flash
- GL 8" 400cd/m<sup>2</sup> IPS Touch LCD  
125kHz EM Reader / 13.56MHz MF(Optional)
- GL 2MP WDR Low Light Camera  
Adjustable Light brightness LED  
Hi-Fi Voice  
High Sensitivity Microphone  
Distance Detection Sensor  
Reset Button and Tamper Switch

## Communication

TCP/IP  
Wiegand Input / Output  
Wi-Fi (Optional)  
RS485 / RS232

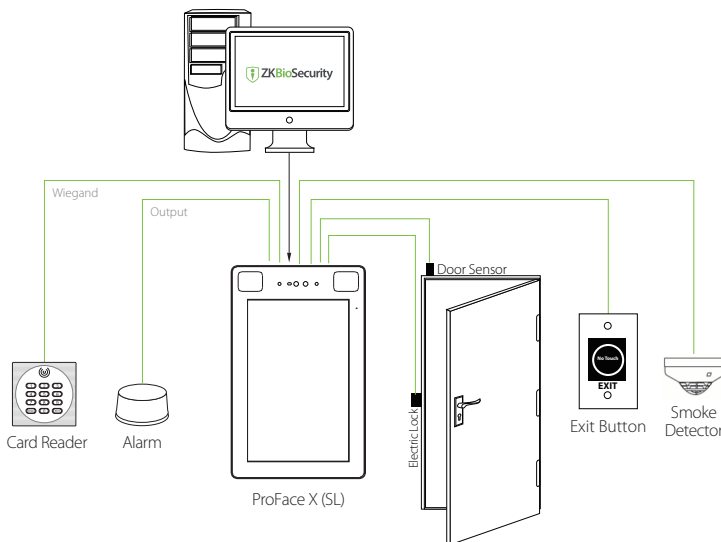
## Additional Info

Face Algorithm: ZKLiveFace5.8  
Working Temperature:  
-30°C to 60°C (-22°F to 140°F)  
Working Humidity: ≤93%  
Storage Temperature:  
-40°C to 65°C (-40°F to 149°F)  
Storage Humidity: ≤93%  
Net Weight: 853g  
Dimensions (H\*L\*D): 227\*143\*26.1mm

## Power

Operating Voltage: DC 12V  
Current Draw: <2,000mA

## Configuration



## Dimensions (mm)

