ProFace X (SL)

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

Advanced Anti-spoofing Algorithm	Masked Face	0.35s Rapid Facial Recognition	Up to 120cm Recognition Distance (50-120cm)	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 0.35s
- 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/m², 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 (**G** : GL Exclusive Feature)

Capacity

G 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
Wiegand / RS485 / RS232 Slave Reader
with FP / RFID / Barcode / QR-code
ZKBioSecurity Software

Standard Functions

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

Special Functions

G IP68 & IK04
G 0.35s Rapid Facial Verification
Liveness Detection
HTTPS Communication Encryption (Optional)
G Event Snapshot

Hardware

900MHz Dual Core Customized Computer
Vision CPU
G 512MB RAM / 8G Flash
G 8" 400cd/m² IPS Touch LCD
125kHz EM Reader / 13.56MHz MF(Optional)
G 2MP WDR Low Light Camera
Adjustable Light brightness LED
Hi-Fi Voice
High Sensitivity Microphone
Distance Detection Sensor
Reset Button and Tamper Switch

Power

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

Access Control Interface

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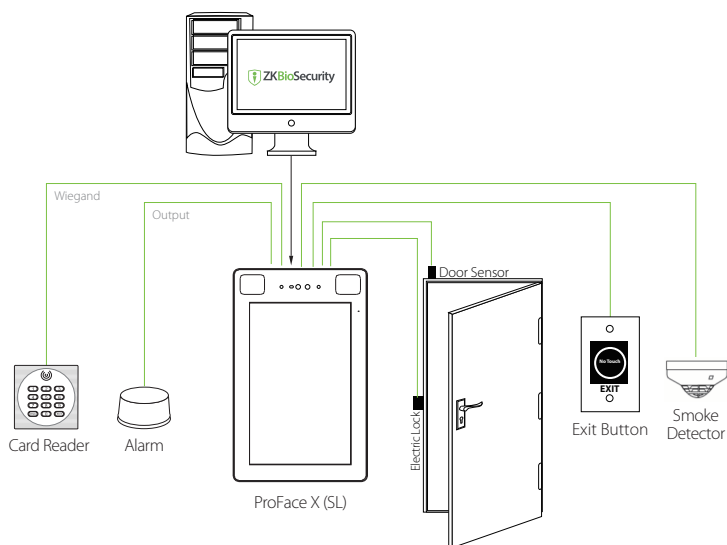Alarm Output / Auxiliary Input
Exit Button / Door Sensor

Communication

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

Additional Info

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

Configuration

Dimensions (mm)