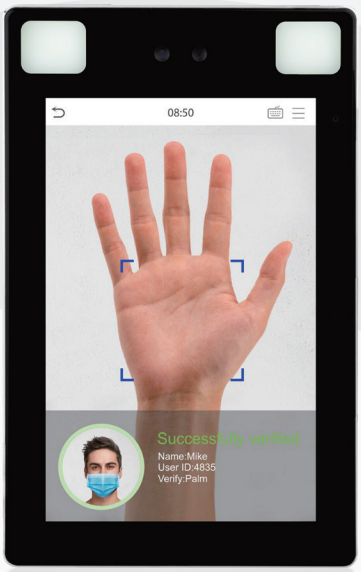
ProFace X Series

Face & Palm Verification and Fever Detection Terminal

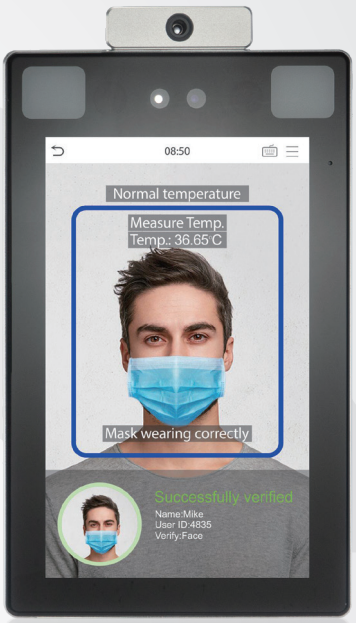
ProFace X

Face



ProFace X [P]

Palm Face



ProFace X [TD]

Palm Face Fever and Mask Detection

ProFace X Series is a fully upgraded version of the ProFace product line, which is designed to deal with all kinds of scenarios. Powered by the ZKTeco-customized CPU for running the intellectualized engineering facial recognition algorithm and the latest computer vision technology, the ProFace X series supports both facial and palm verification with large capacity and rapid recognition speed, boosting the security performance in all aspects.

The series also helps eliminate hygiene concerns; not only because of the contactless recognition technology it is equipped with, but also because of the new functions namely fever detection and masked individual identification.

The facial recognition capability of the series has reached a new height in the biometrics technology industry with a maximum of 50,000 facial templates, recognition speed of less than 0.3 sec per face, and ultimate anti-spoofing ability against almost all types of fake photos and videos attack.

In addition, the 3-in-1 palm recognition (Palm Shape, Palm Print and Palm Vein) is performed in 0.35 sec per hand; the palm data acquired will be compared with a maximum of 5,000 palm templates.

As mentioned above, the ProFace X series can assist in communicable disease surveillance as well. During outbreaks of infectious and contagious diseases, recognition terminals with fever and mask detection should be a perfect choice. The series enables fast and accurate body temperature measurement and masked individual identification during facial and palm verification at all access points, which is extremely helpful in fighting the spread of disease outbreaks especially in hospitals, factories, schools, commercial buildings, stations, and other public areas.

Features

- Ultra-large capacity of facial templates for 1:N verification: 30,000 (standard); max. 50,000 (optional)
- Huge capacity of palm templates; 1:N - 5,000 palm templates
- Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack, and 3D mask attack
- Intelligent energy-saving design; precisely evaluation of the distance (up to 2.5m (8.2ft)) between the user and the device by a micro wave detector before waking up the recognition terminal
- 2MP starlight CMOS sensor camera with WDR function, which enables the terminal to recognize faces under extreme lighting conditions (0.5 lux – 50,000 lux)
- 8" touch screen with 400 lux, which offers high visibility under strong and direct light
- IP68 dust-proof and waterproof standard & IK04 protection standard
- Wide range of working temperature (-30 ~ 60°C; -22 ~ 140°F)
- Body temperature detection: measurement deviation of ±0.3°C; measurement distance of 30 – 50cm
- Mask detection; facial verification available with masks

* Facial verification for masked individuals will increase FAR. Palm verification for masked individuals is recommended.

Specifications (G: GL Exclusive Feature)

Capacity

G Faces	30,000 (1:N)
	50,000 (Optional)
Palm	5,000 (1:N)
Users / Cards	50,000
G Transactions	1,000,000(Optional)
	2,000,000
User Photos	30,000
Event Photos	10,000

* Proface X[TD] doesn't support card

Compatibility

Security Relay Box
Wiegand / RS485 / RS232 Slave Reader with FP / RFID / Barcode / QR-code
ZKBioSecurity Software

G Hardware

G 900MHz Dual Core Customized AI CPU
512MB RAM / 8G Flash
G 8" Hight light (400lux) IPS Touch LCD
125KHz EM Reader / 13.56MHz MF(Optional)
2MP WDR Low Light Camera
Adjustable Light brightness LED
Hi-Fi Voice
Receiver sensitivity Microphone
Distance Detection Sensor
Reset Button and Tamper Switch

Access Control Interface:

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

Special Functions:

G IP68 & IK04
G 0.3s Hight Speed Face Verification
Live Face detection
Communication Https Encrypted Optional
G Event Snapshot

Standard Functions:

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

Antiepidemic

Wore mask detection
Body temperature detection (only with ProFace X[TD])
Measurement Distance 30~50CM (1~1.64ft)
Measurement Accuracy ±0.3°C
Measurement Range 34°C~45°C

Communication

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

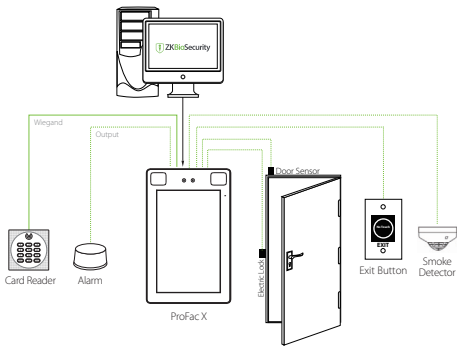
Additional Info

Face Algorithm: ZKLiveFace5.8
Palm: FAR≤0.01%; FRR≤1%
Working Temperature: -30°C ~ 60°C, (-22°F~ 140°F)
Working Humidity: ≤93%
Storage Temperature: -40°C ~ +65°C
Storage Humidity: ≤93%
Net Weight: 853g
Dimensions (H*L*D): 227*143*26mm

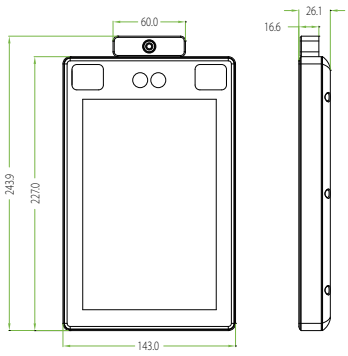
Power

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

Configuration



Dimensions (mm)



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