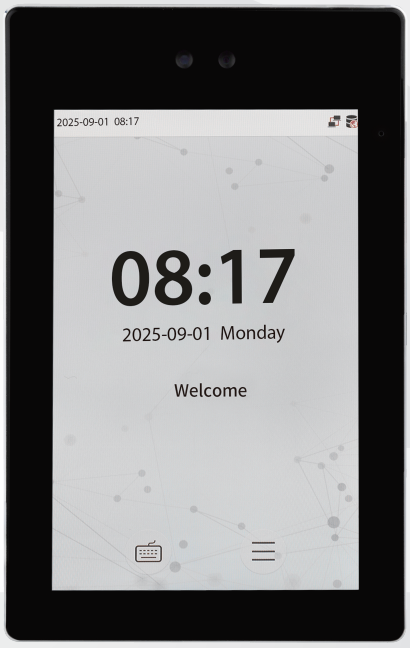
ProFace X

Outdoor & Vandal-resistant Facial Recognition Terminal



ProFace X a fully upgraded version of the ProFace product line, which is designed to deal with all kinds of scenarios. It's powered by the latest ZKTeco-customized CPU for running the intellectualized engineering facial recognition algorithm to boost up the performance in all aspects.

With its powerful core and the latest facial recognition algorithm, the ProFace X facial recognition capability has reached a new height in the biometrics industry with a maximum of 100,000 facial templates (Only for 1GB RAM Mainboard), facial recognition speed less than 0.09 sec per face, ultimate anti-spoof ability against almost all types of fake photos and videos attack .

Other than the powerful core, ProFace X is also equipped with the latest face capture system, which enables the terminal to recognize faces under extreme strong light conditions (50,000 lux), and a microwave detector to precisely evaluate the distance between the user and the device for waking up the terminal.

ProFace X comes with a robust design that can work in extreme weather conditions from -30°C to 60°C (-22°F to 140°F) ; The IP68 dust and waterproof standard and IK04 protection standard also enhance its outdoor durability.

ProFace X integrates with the ONVIF video protocol to connect to the ONVIF NVR for video surveillance and recording. Moreover, ProFace X supports SIP Protocol connect to the indoor unit.

Features

- Ultra-large capacity of facial templates; 1:N - 30,000 facial templates (standard), maximun 1:N - 100,000 facial templates (Optional, only for 1GB RAM Mainboard), 1:N-5,000 palm templates (Optional, only for 1GB RAM Mainboard)
- Rapid facial recognition within 0.09s, palm recognition within 0.2s
- Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack, and 3D mask attack
- 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
- Integrated multiple RFID modules
- 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)
- Video intercom: ZKTeco private protocol via TCP/IP & standard SIP protocol (optional)
- ONVIF Protocol (Optional)
- Dynamic QR code with ZKBio Zexus Mobile APP
- 8" touch screen with 400 lux, 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
- Wide range of working temperature (-30 ~ 60°C; -22 ~ 140°F)

* Note: Palm authentication is for indoor use only.

Specifications (: GL Exclusive Feature)

Capacity

Faces	30,000 (1:N)(Optional: 50,000) 100,000(Optional, only for 1GB RAM Mainboard)
Palm	5,000 (Optional, only for 1GB RAM Mainboard)
Users / Cards	100,000 (Optional)
Transactions	1,000,000(Optional 2,000,000)
User Photos	10,000
Event Photos	7,500

* Note: ProFace X with the optional 100,000 faces capacity, it does not support the following features: photo saving function, video intercom function, palm authentication

Compatibility

Security Relay Box
Wiegand / RS485 Slave Reader with FP / RFID / Barcode / QR-code
Software: ZKBio CVSecurity

Hardware

1.2GHz Quad Core Customized Computer Vision CPU
512MB RAM (Optional Palm/100,000 Face: 1GB RAM)/ 8G Flash
8" (400lux) IPS Touch LCD
ID Card
IC Card
Multi-Tech Card Module:
Module 1 : ID & IC & DESFire EV1 / EV2 & Felica
Module 2 : ID & IC & DESFire EV1/EV2 & FeliCa & HID Prox & HID iClass
2MP WDR Low Light Camera
Hi-Fi Voice
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:

IP68 & IK04
0.09s High Speed Face Verification
Live Face detection
Communication Https Encrypted Optional
Event Snapshot
Video Intercom :
ZKTeco Private Protocol via TCP/IP
Support Devices:
Standalone Terminal: Proface X
Indoor Monitor: VT07-B01, VT07-B01-W

Standard SIP Protocol
Support Devices:
Standalone Terminal: Proface X
Indoor Monitor: VT07-B22L, VT07-B26L-W
Software: ZKBio CVSecurity, BioTalk Pro
Mobile App: ZKBio Zexus

ONVIF Protocol
(Compatible with Profile S, Profile T, Profile G, Profile C, Profile Q & Profile A)

Standard Functions:

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

Communication

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

Additional Info

ZKFace V3.6 & ZKPalmVein V20.1
Operating Temperature: -30°C ~ 60°C, (-22°F~ 140°F)
Operating Humidity: ≤93%
Storage Temperature: -40°C ~ +65°C
Storage Humidity: ≤93%
Net Weight: 853g
Dimensions (L*W*D): 227*143*26mm

Power

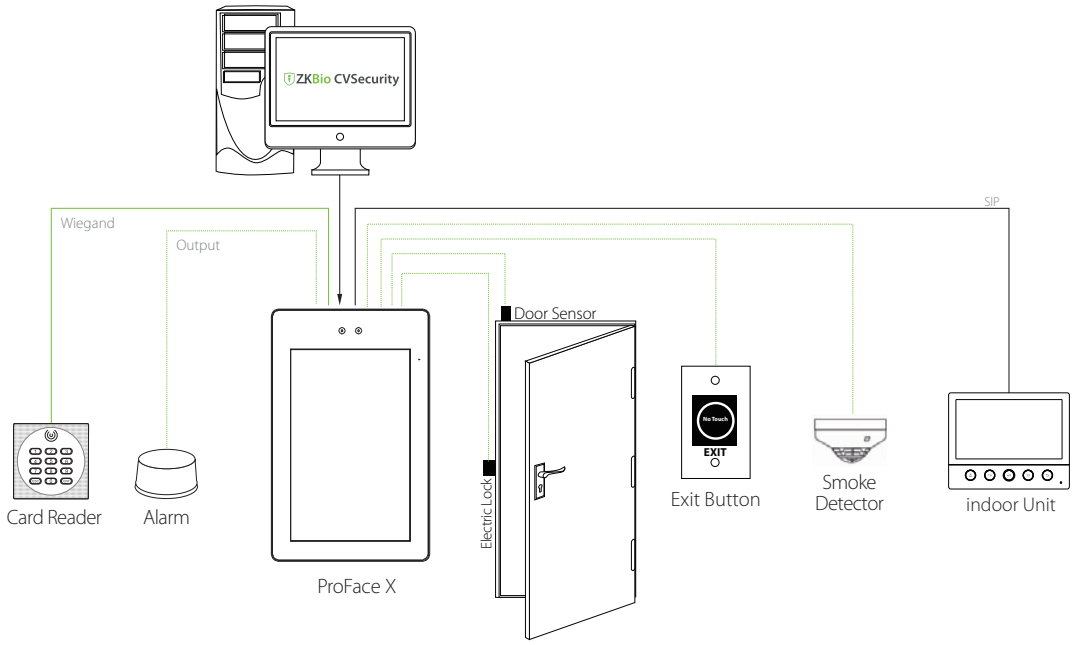
Operating Voltage 12V DC
Current Draw < 2,000mA

Order ID

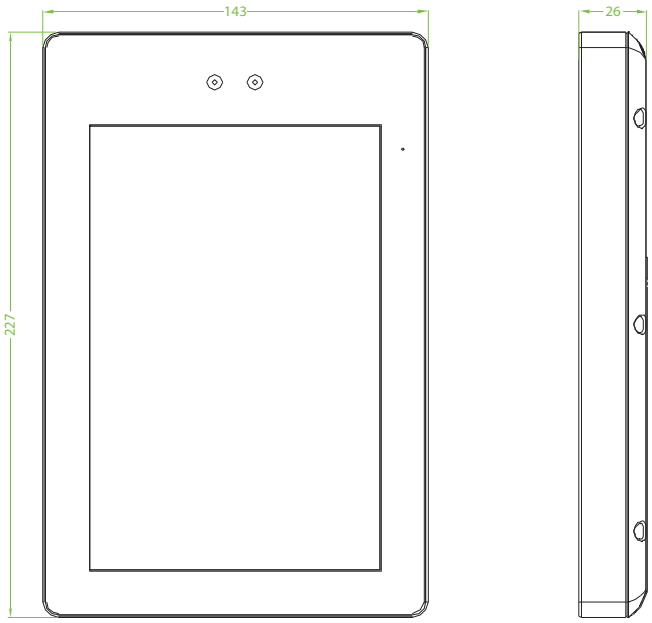
ProFace X : AC01-PF12H-P47
ProFace X[CH] : AC01-PF13H-P47

* Note: RS232 is for external printer and RS485 is for RS485 readers.

Configuration



Dimensions (mm)



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