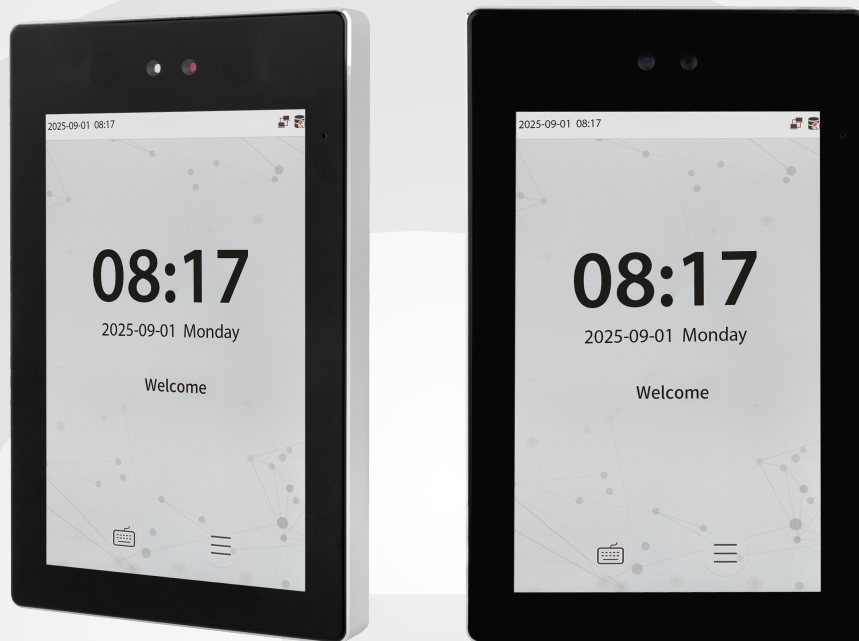


# ProFace X

## Outdoor & Vandal-resistant Facial Recognition Terminal



**ProFace X** is 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), maximum 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)

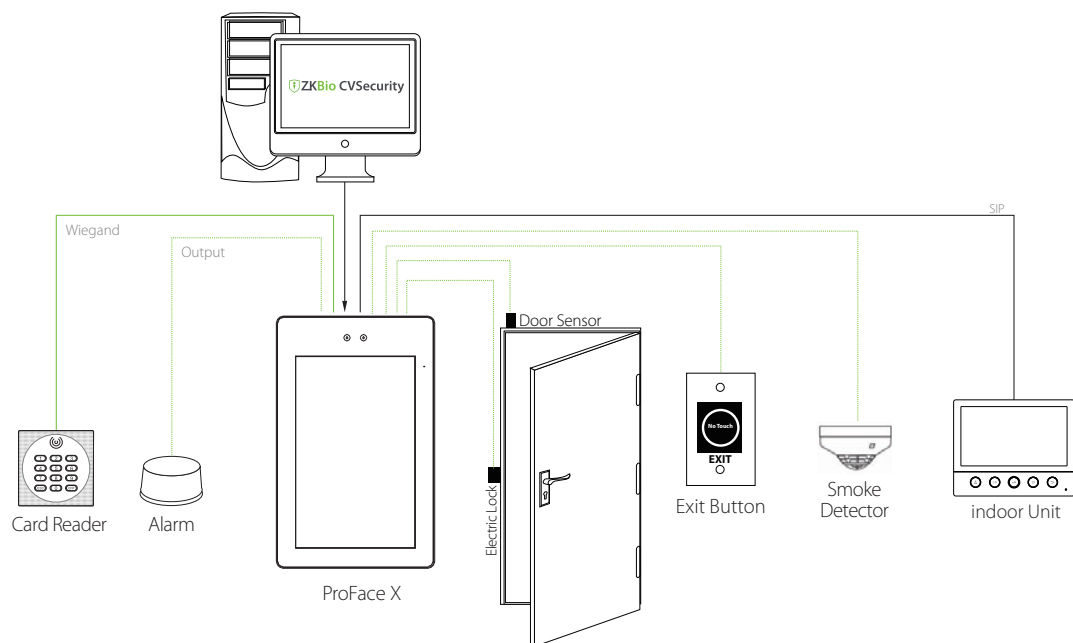
\* Note: Palm authentication is for indoor use only.

## Specifications (G: GL Exclusive Feature)

| Capacity                                                                                                                                                                               | Access Control Interface:                                                                          | Communication                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <div><div>G</div>Faces30,000 (1:N)(Optional: 50,000)<br/>100,000(Optional, only for 1GB RAM Mainboard)</div>                                                                           | Lock Relay Output<br>Alarm Output / Auxiliary Input<br>Exit Button / Door Sensor                   | TCP/IP<br>Wiegand Input / Output<br>Wi-Fi (Optional)<br>RS485* / RS232* |
| <div>Palm5,000 (Optional, only for 1GB RAM Mainboard)</div>                                                                                                                            |                                                                                                    |                                                                         |
| <div><div>G</div>Users / Cards100,000 (Optional)</div>                                                                                                                                 | <b>Special Functions:</b>                                                                          | <b>Additional Info</b>                                                  |
| <div><div>G</div>Transactions1,000,000(Optional 2,000,000)</div>                                                                                                                       | <div><div>G</div>IP68 &amp; IK04</div>                                                             | <div><div>G</div>ZKFace V3.6 &amp; ZKPalmVein V20.1</div>               |
| <div>User Photos10,000</div>                                                                                                                                                           | <div><div>G</div>0.09s High Speed Face Verification</div>                                          | <div>Operating Temperature: -30°C ~ 60°C,<br/>(-22°F~ 140°F)</div>      |
| <div>Event Photos7,500</div>                                                                                                                                                           | <div>Live Face detection</div>                                                                     | <div>Operating Humidity: ≤93%</div>                                     |
| <div>* 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</div> | <div>Communication Https Encrypted Optional</div>                                                  | <div>Storage Temperature: -40°C ~ +65°C</div>                           |
| <b>Compatibility</b>                                                                                                                                                                   | <div><div>G</div>Event Snapshot</div>                                                              | <div>Storage Humidity: ≤93%</div>                                       |
| <div>Security Relay Box</div>                                                                                                                                                          | <div><div>G</div>Video Intercom :</div>                                                            | <div>Net Weight: 853g</div>                                             |
| <div>Wiegand / RS485 Slave Reader with FP / RFID / Barcode / QR-code</div>                                                                                                             | <div>ZKTeco Private Protocol via TCP/IP</div>                                                      | <div>Dimensions (L*W*D): 227*143*26mm</div>                             |
| <div><div>G</div>Software: ZKBio CVSecurity</div>                                                                                                                                      | <div>Support Devices:</div>                                                                        | <b>Power</b>                                                            |
| <b>Hardware</b>                                                                                                                                                                        | <div>Standalone Terminal: Proface X</div>                                                          | <div>Operating Voltage 12V DC</div>                                     |
| <div>1.2GHz Quad Core Customized Computer Vision CPU</div>                                                                                                                             | <div>Indoor Monitor: VT07-B01, VT07-B01-W</div>                                                    | <div>Current Draw &lt; 2,000mA</div>                                    |
| <div>512MB RAM (Optional Palm/100,000 Face: 1GB RAM)/ 8G Flash</div>                                                                                                                   |                                                                                                    | <b>Order ID</b>                                                         |
| <div><div>G</div>8" (400lux) IPS Touch LCD</div>                                                                                                                                       | <div>Standard SIP Protocol</div>                                                                   | <div>ProFace X : AC01-PF12H-P47</div>                                   |
| <div>ID Card</div>                                                                                                                                                                     | <div>Support Devices:</div>                                                                        | <div>ProFace X[CH] : AC01-PF13H-P47</div>                               |
| <div><div>G</div>IC Card</div>                                                                                                                                                         | <div>Standalone Terminal: Proface X</div>                                                          |                                                                         |
| <div>Multi-Tech Card Module:</div>                                                                                                                                                     | <div>Indoor Monitor: VT07-B22L, VT07-B26L-W</div>                                                  |                                                                         |
| <div><div>G</div>Module 1 : ID &amp; IC &amp; DESFire EV1 / EV2 &amp; Felica</div>                                                                                                     | <div>Software: ZKBio CVSecurity, BioTalk Pro</div>                                                 |                                                                         |
| <div>Module 2 : ID &amp; IC &amp; DESFire EV1/EV2 &amp; FeliCa &amp; HID Prox &amp; HID iClass</div>                                                                                   | <div>Mobile App: ZKBio Zexus</div>                                                                 |                                                                         |
| <div>2MP WDR Low Light Camera</div>                                                                                                                                                    | <div>ONVIF Protocol</div>                                                                          |                                                                         |
| <div>Hi-Fi Voice</div>                                                                                                                                                                 | <div>(Compatible with Profile S, Profile T, Profile G, Profile C, Profile Q &amp; Profile A)</div> |                                                                         |
| <div>Microphone</div>                                                                                                                                                                  | <b>Standard Functions:</b>                                                                         |                                                                         |
| <div>Distance Detection Sensor</div>                                                                                                                                                   | <div>Access Levels, Groups, Holidays, DST,</div>                                                   |                                                                         |
| <div>Reset Button and Tamper Switch</div>                                                                                                                                              | <div>Duress Mode (Password), Anti-Passback,</div>                                                  |                                                                         |
|                                                                                                                                                                                        | <div>Record Query, Custom Wallpaper &amp; Screen Saver, Tamper Switch Alarm</div>                  |                                                                         |

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

## Configuration



## Dimensions (mm)

