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 50,000 facial templates, facial recognition speed less than 0.3 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; The IP68 dust and waterproof standard and IK04 protection standard also enhance its outdoor durability.
Features

- Ultra-large capacity of facial templates; 1:N - 30,000 facial templates (standard), maximum 1:N - 50,000 facial templates (optional)
- Rapid facial recognition within 0.3s
- 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 125 kHz prox card reader (optional Mifare)
- 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)
- Supplement lighting with adjustable brightness
- 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)

Specifications (GL Exclusive Feature)

| Capacity | | Compatibility | | Communication |
|----------|----------|----------------|----------------|
| Faces | 30,000 (1:N) | Security Relay Box | TCP/IP |
| Users / Cards | 50,000 (Optional) | Wiegand / RS485 / RS232 Slave Reader | Wiegand Input / Output |
| Transactions | 1,000,000 | with FP / RFID / Barcode / QR-code | Wi-Fi (Optional) |
| User Photos | 30,000 | ZKBioSecurity Software | RS485 / RS232 |
| Event Photos | 10,000 | BioTime Software | |

Hardware

- 900MHz Dual Core Customized AI CPU
- 512MB RAM / 8G Flash
- 8” High 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:

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

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

- Face Algorithm: ZKLiveFace5.8
- 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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