



# BioFace C1

SIP-Ready Multi-Biometric Access Control Terminal with Video Intercom Capability



Facial Authentication



RFID



Fingerprint



IP65 dust & waterproof rating



Video Intercom (SIP)

Compatible with



## Introduction

BioFace C1 adopts the latest intelligent engineering facial authentication and in-glass fingerprint technology. It supports fingerprint, facial, card authentication with large capacity and speedy authentication, adopts ultimate antispooing algorithm for facial authentication against almost all types of fake photos and videos attack, which offering secure biometric authentication.

BioFace C1 is an access control terminal featuring a video intercom function and supports ONVIF protocol. It fully improves the video intercom experience and can be compatible with video intercom indoor unit with SIP protocol (Version 2.0).

Besides, BioFace C1 supports multiple communication protocols. Its firmware has AC push and can convert to TA push and it is compatible with various AC or TA software. It can change to BEST protocol to link with BioTime 9.5 BioTime Cloud and ZKBio CVSecurity.

## Features

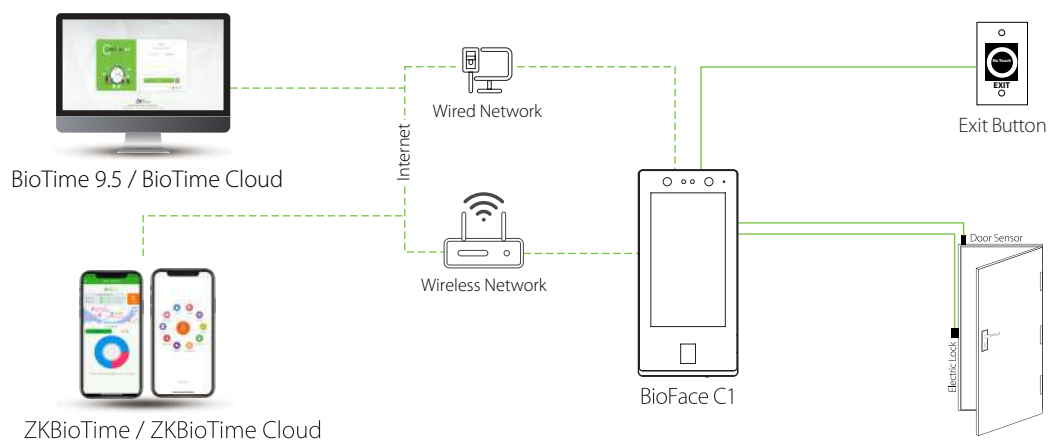
- Visible Light Facial Authentication Technology and In-glass Fingerprint Authentication
- Attained IP65 Protection Rating With Dustproof and Waterproof
- Multiple Authentication Methods: Facial / Fingerprint / RFID / Password
- Available RFID Modules: 125 kHz ID Card / 13.56 MHz IC Card
- HD Video Door Phone Via SIP Protocol (Version 2.0).
- User Data Synchronization: User data can be downloaded/uploaded from one device to another via a USB drive
- Compatible with wireless doorbell (optional)
- Advanced access control functions (Wiegand input or output shared; RS485 communication; Electric Lock; Door Sensor; Exit Button)

\* Download data using the USB driver and make sure to use the FAT32 format.

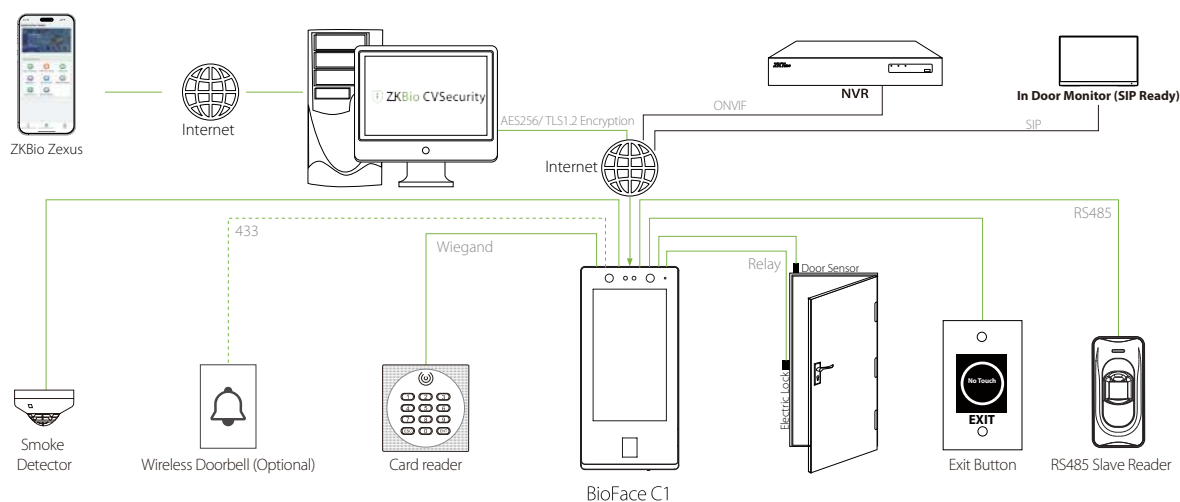
## Specifications

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                                       | BioFace C1                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Display</b>                                     | 4.3"@ TFT Color Touch LED Screen (272*480)                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Camera</b>                                      | WDR Binocular Camera @ 1MP                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Operation System</b>                            | Linux                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Hardware</b>                                    | RAM: 512MB; ROM: 8GB<br>Speaker: 8ohm @1W<br>Microphone: *1 (Sensitivity: -42 dB/ Omni-directional/ Signal-to-Noise Ratio: 58 dB/Impedance: 2.2kΩ)<br>Supplement Light: No                                                                                                                                                                                                                                                                  |
|                                                    | Fingerprint Sensor: In-Glass Fingerprint (Z-ID)                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Authentication method</b>                       | Fingerprint / Face / Card / Password (Virtual Keypad)                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Fingerprint Template Capacity</b>               | 8,000 (1:N) (Standard)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Face Template Capacity</b>                      | 6,000 (1:N) (Standard)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Card Capacity</b>                               | 8,000 (1:N) (Standard)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>User Capacity</b>                               | 8,000 (1:N) (Standard)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Transaction Capacity</b>                        | 200,000 (1:N)                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Max. User Password Length</b>                   | 8 Digits                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Biometric Authentication Speed</b>              | less than 0.5 sec (Fingerprint)                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                    | less than 0.35 sec (Facial Authentication)                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Touchless Biometric Authentication Distance</b> | 30cm to 200cm (Facial Authentication)                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>False Acceptance Rate (FAR) %</b>               | FAR ≤ 0.01% ( Visible Light Facial Authentication)                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                    | FAR ≤ 0.0001% ( Fingerprint )                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>False Rejection Rate (FRR) %</b>                | FRR ≤ 0.02% ( Visible Light Facial Authentication)                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                    | FRR ≤ 0.01% ( Fingerprint )                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Biometric Algorithm</b>                         | ZKFace V4.0                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                    | ZKFingerprint V13.0 (Standard) / V10.0 (Optional)                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Card Type</b>                                   | ID Card@125 kHz (Standard)                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                    | IC Card@13.56 MHz (Optional)                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Communication</b>                               | TCP/IP*1, Wi-Fi (IEEE802.11b/g/n/ax) @ 2.4 GHz (Optional), Wiegand (Input or Output)*1, RS485: ZKTeco RS485*1, USB: Type A (USB Drive Only)*1, Aux Inputs *1, Electric Lock*1, Door Sensor*1, Exit Button*1, 12V Output*1                                                                                                                                                                                                                   |
| <b>Standard Functions</b>                          | ADMS, DST, Photo Capture, Event Photo Capture, Up to 14-digit User ID, Access Levels, Groups, Holidays, Anti-Passback, Record Query, Schedule Bell, Tamper Switch Alarm, Automatic Status Switch, Multiple AuthenticationMethods, SIP Client (Version 2.0), ONVIF (Compatible with Profile S, Profile T, Profile G, Profile C, Profile Q & Profile A), AC Push and TA Push Protocol Switch, HTTPs / SSH Backend Access, T9 Keyboard (Input) |
| <b>Optional Functions</b>                          | IC Card, Wi-Fi, Wireless Doorbell                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Video Intercom</b>                              | Video Intercom (ZKTeco Private Protocol via TCP/IP)                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                    | Support Devices:<br>Standalone Terminal: BioFace C1<br>Indoor Monitor: VT07-B01, VT07-B01-W                                                                                                                                                                                                                                                                                                                                                 |
| <b>Access Control Interface</b>                    | RS485 ( RS485 Card Reader / Biometric Reader)                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Power Supply</b>                                | DC 12V 3A                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Operating Temperature</b>                       | -5°C to 45°C                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Operating Humidity</b>                          | 10% to 90% RH (Non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Dimensions</b>                                  | 175.00 mm * 84.50 mm * 21.65 mm (L*W*H)                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Net Weight</b>                                  | 0.264 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Supported Software</b>                          | On-Premise Software: ,ZKBio CVSecurity, ZKBio CVAccess (AC PUSH) & BioTime (TA PUSH)<br>Cloud-based Software: BioTime Cloud (Supports Web Portal & Mobile App)                                                                                                                                                                                                                                                                              |
| <b>Installation</b>                                | Wall-mount (Compatible with Asia Gang Box / Single Gang Box)                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Ingress Protection Rating</b>                   | IP65 (waterproof and dustproof)                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Certifications</b>                              | ISO14001, ISO9001, CE, FCC, RoHS                                                                                                                                                                                                                                                                                                                                                                                                            |

## Configuration

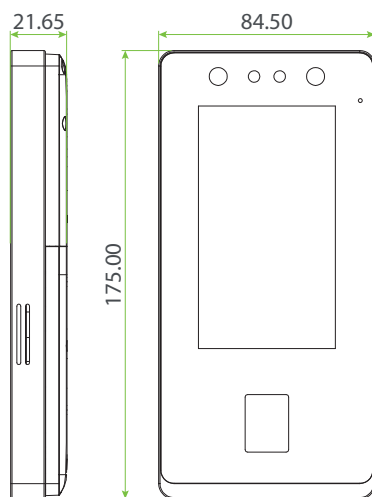


## BEST Protocol



## PUSH Protocol

## Dimensions (mm)



BioFace C1

