

BioFace A1

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 A1 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 antispoofting algorithm for facial authentication against almost all types of fake photos and videos attack, which offering secure biometric authentication.

BioFace A1 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 A1 supports multiple communication protocols. Its firmware has AC push and can convert to TA push and compatible with various AC or TA software. Also, it can change to the BEST protocol to link with BioTime 9.5, BioTime Cloud and ZKBio CVSecurity.

Features

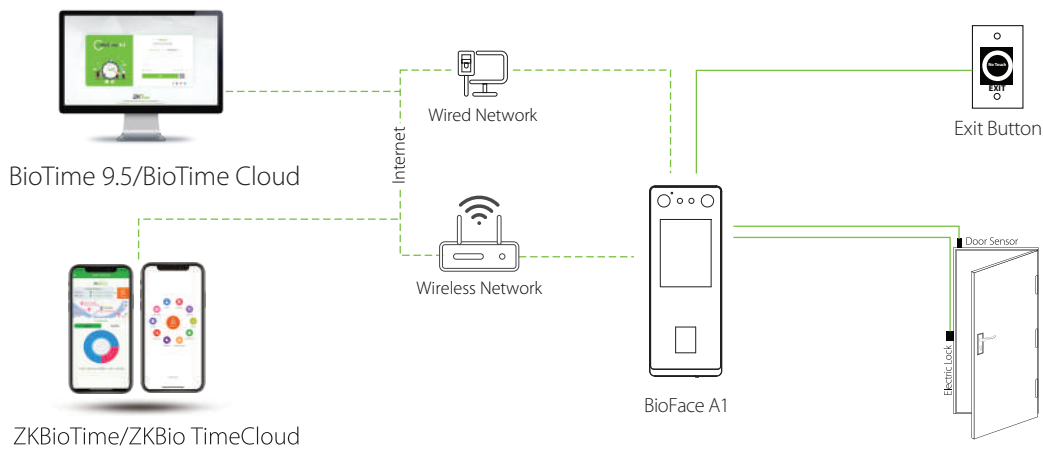
- Visible Light Facial Authentication Technology and In-glass Fingerprint Authentication
- Attained IP65 Protection Rating With Dustproof and Waterproof
- Multiple Authentication Methods: Facial / Fingerprint / RFID / Password
- Available RFID Modules: 125 kHz ID Card / 13.56 MHz IC Card
- HD Video Door 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.

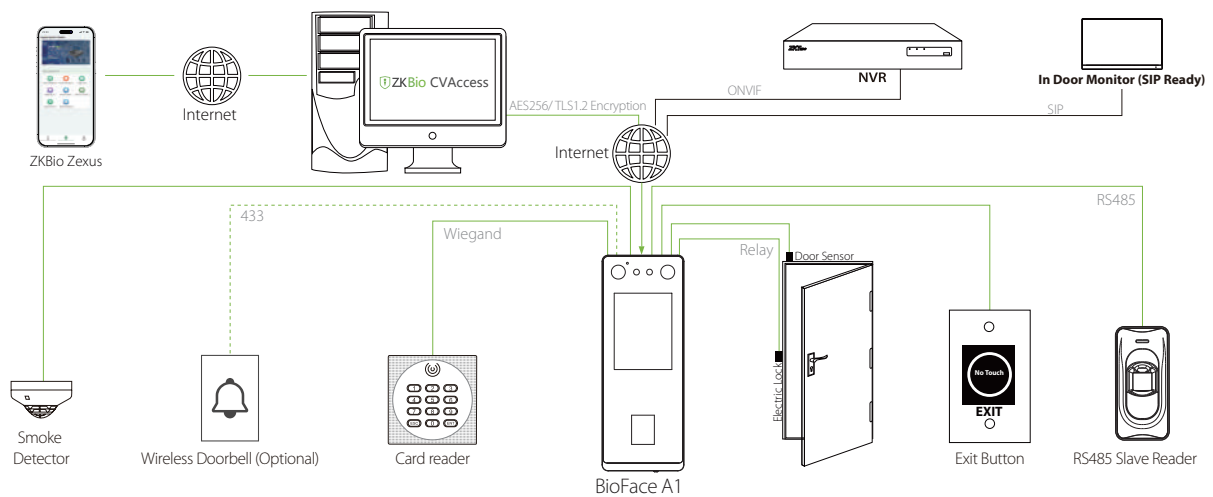
Specifications

Model	BioFace A1
Display	2.8" @ TFT Color Touch LED Screen (240*320)
Camera	WDR Binocular Camera @ 1MP
Operation System	Linux
Hardware	CPU: Dual Core@1GHz RAM: 512MB; ROM: 8GB Speaker: 8ohm @1W Microphone: *1 (Sensitivity: -42 dB/ Omni-directional/ Signal-to-Noise Ratio: 58 dB/Impedance: 2.2kΩ) Supplement Light: No Fingerprint Sensor: In-Glass Fingerprint (Z-ID)
Authentication method	Fingerprint / Face / Card / Password (Virtual Keypad)
Fingerprint Template Capacity	6,000 (1:N) (Standard)
Face Template Capacity	3,000 (1:N) (Standard)
Card Capacity	6,000 (1:N) (Standard)
User Capacity	6,000 (1:N) (Standard)
Transaction Capacity	150,000 (1:N)
Max. User Password Length	8 Digits
Biometric Authentication Speed	less than 0.5 sec (Fingerprint) less than 0.35 sec (Facial Authentication)
Touchless Biometric Authentication Distance	30cm to 200cm (Facial Authentication)
False Acceptance Rate (FAR) %	FAR ≤ 0.01% (Visible Light Facial Authentication) FAR ≤ 0.0001% (Fingerprint)
False Rejection Rate (FRR) %	FRR ≤ 0.02% (Visible Light Facial Authentication) FRR ≤ 0.01% (Fingerprint)
Biometric Algorithm	ZKFace V4.0 ZKFingerprint V13.0 (Standard) / V10.0 (Optional)
Card Type	ID Card@125 kHz (Standard) IC Card@13.56 MHz (Optional)
Communication	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
Standard Functions	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 Switch, HTTPs / SSH Backend Access, T9 Keyboard (Input)
Optional Functions	IC Card, Wi-Fi, Wireless Doorbell
Video Intercom	Video Intercom(ZKTeco Private Protocol via TCP/IP) Support Devices: Standalone Terminal: SenseFace Series Indoor Monitor: VT07-B01, VT07-B01-W Video Intercom (Standard SIP Protocol) Support Devices: Standalone Terminal: SenseFace series Indoor Monitor: VT07-B22L, VT07-B26L-W Software: ZKBio CVAccess, BioTalk Pro Mobile App: ZKBio Zlink, ZKBio Zexus
Access Control Interface	RS485 (RS485 Card Reader / Biometric Reader)
Power Supply	DC 12V 3A
Operating Temperature	-5°C to 45°C
Operating Humidity	10% to 90% RH (Non-condensing)
Dimensions	166 mm * 63 mm * 25 mm (L*W*H)
Net Weight	0.185 Kg
Supported Software	On-Premise Software: ZKBio CVAccess (AC PUSH) & ZKBio Time (TA PUSH) Cloud-based Software: ZKBio Zlink (Supports Web Portal & Mobile App)
Installation	Wall-mount (Compatible with Asian Gang Box / Single Gang Box)
Ingress Protection Rating	IP65 (waterproof and dustproof)
Certifications	ISO14001, ISO9001,CE, FCC, RoHS

Configuration



BEST Protocol



PUSH Protocol

Dimensions (mm)

