



BioFace D1

Next-Gen Access Control Terminal – High Capacity Edition (V2.0)



High Capacity



IP65 dust & waterproof rating

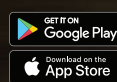
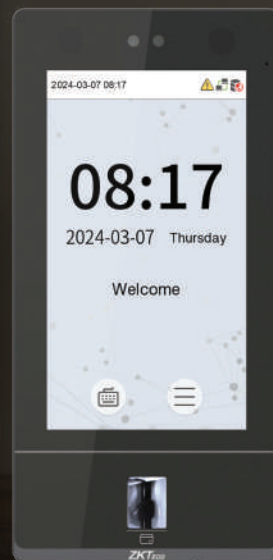
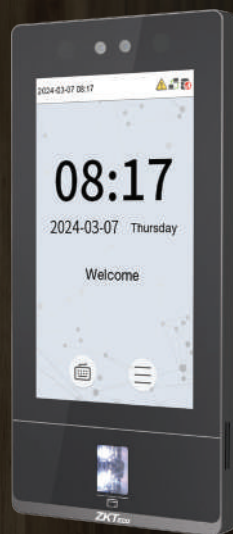


Video Intercom (SIP)

Compatible with



ZKBio CVSecurity



Download on the App Store



Download on the App Store

Introduction

BioFace D1 adopts the latest intelligent engineering facial authentication and in-glass fingerprint technology. It supports fingerprint, facial, card authentication with massive capacity (Customized with an encryption chip, up to 50,000 face / fingerprint) and speedy authentication, adopts ultimate antispoofing algorithm for facial authentication against almost all types of fake photos and video attacks which offering secure biometric authentication.

BioFace D1 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 D1 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 (AC module).

Features

- Visible Light Facial Authentication Technology and In-glass Fingerprint Authentication
- Attained IP65 Protection Rating With Dustproof and Waterproof
- Multiple Authentication Methods: Face / Fingerprint / RFID / Password
- Available RFID Modules:125KHz 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)
- Max. 50,000 face capacity, 50,000 fingerprint capacity, 50,000 card capacity, and 300,000 transaction capacity

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

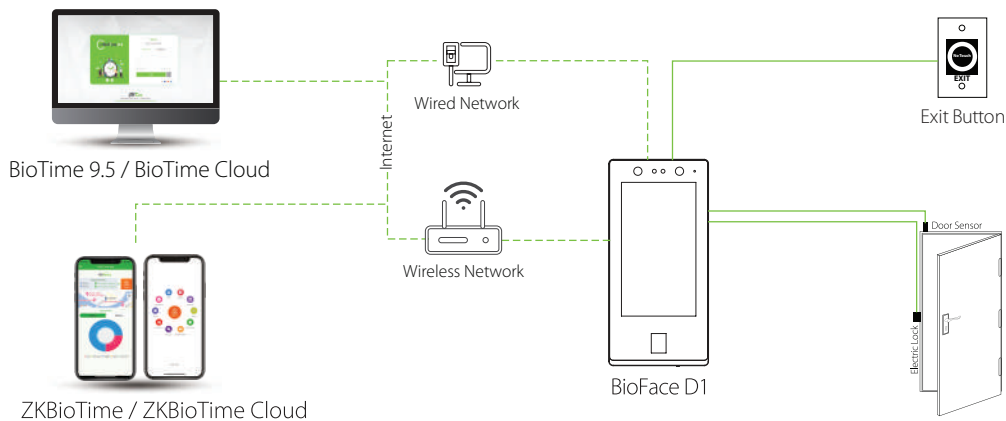
Specifications

Model	BioFace D1
Order ID	AC01-SP39H-P21
Display	7" @ TFT Color Touch LED Screen (600*1024)
Camera	WDR Binocular Camera @ 1MP
Operation System	Linux
Hardware	CPU: Dual Core@1GHz RAM: 512MB; ROM: 8GB Speaker: 8 ohm@1 W Microphone: *1 (Sensitivity: -32dB / Omni-directional / Signal-to-Noise Ratio: -32dB / Impedance: 2.2kΩ) Supplement Light: No
	Fingerprint Sensor: In-Glass Fingerprint (Z-ID)
Authentication method	Fingerprint / Face / Card / Password (Virtual Keypad)
Fingerprint Template Capacity	50,000 (1:N) (Standard)
Face Template Capacity	50,000 (1:N)
Card Capacity	50,000 (1:N) (Standard)
User Capacity	50,000 (1:N) (Standard)
Transaction Capacity	300,000
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 V3.7 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 (Effective only under T&A rules), Multiple Authentication Methods, 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)
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: BioTime, BioTime Cloud and ZKBio CVSecurity Mobile App: ZKBioTime, ZKBio TimeCloud, ZKBio Zexus
Access Control Interface	RS485 (RS485 Card Reader / Biometric Reader)
Power Supply	DC 12V 3A (Optional)
Operating Temperature	-5°C to 45°C
Operating Humidity	10% to 90% RH (Non-condensing)
Dimensions	238mm * 115mm * 22.3mm (L*W*H)

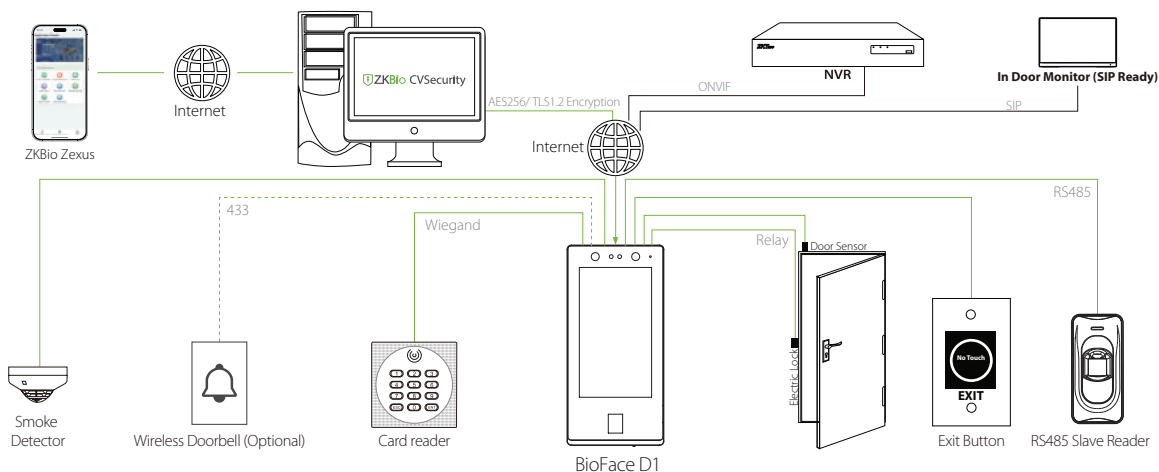
Net Weight	0.622 Kg
Supported Software	On-Premise Software: ZKBio CVSecurity (AC PUSH) & BioTime (TA PUSH) Cloud-based Software: BioTime Cloud (Supports Web Portal & Mobile App)
Installation	Wall-mount (Compatible with Asian Gang-box / Single Gang-Box)
Ingress Protection Rating	IP65 (waterproof and dustproof)
Certifications	ISO14001, ISO9001, CE, FCC, RoHS

*The face algorithm is upgraded in the high-capacity version. Face templates are not directly compatible with old model, which can be converted via BioPhoto under user authorization.

Configuration

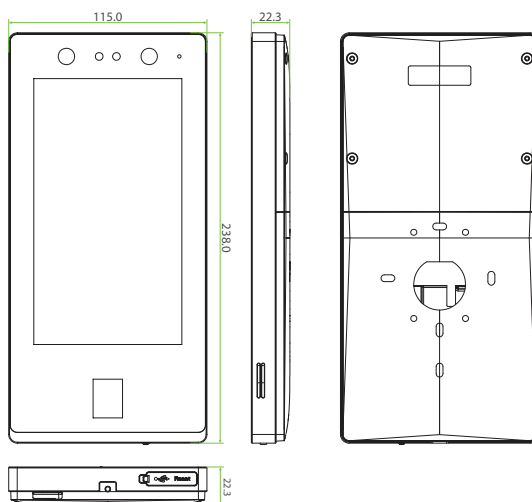


BEST Protocol



PUSH Protocol

Dimensions (mm)



BioFace D1

V1.4 08/08/2025

