SpeedFace-V4L Pro Series

Linux-Based Hybrid-Biometric Access Control & Time and Attendance Terminal with Full Spectrum of Authentication Options

Facial Recognition | RFID | Fingerprint | QR Code | IP65 dust & waterproof rating | HD Video Door Phone

Compatible with ZKBio CVAccess

Compatible with ZKBio Zlink

ZKBio Zlink — GET IT ON Google Play — Download on the App Store

SpeedFace-V4L Pro | SpeedFace-V4L Pro-QR | SpeedFace-V4L Pro-RFID

The SpeedFace-V4L Pro series uses intelligent engineering facial recognition algorithms and the latest computer vision technology, featuring a video intercom function.

What sets the SpeedFace-V4L Pro apart is its 4-inch color LCD touch screen, a 2MP binocular camera, a built-in microphone, and a speaker for two-way video communication. There are two ways to use video intercom functions. Firstly, users can have a video phone through the ZKBio Zlink or ZKBio Zexus app. Secondly, the terminal can connect the indoor station via SIP protocol.

The SpeedFace-V4L Pro series can also integrate with the ZKBio Zexus to support Dynamic QR codes for access control or time and attendance protocols. Furthermore, the SpeedFace-V4L Pro series incorporates the ultimate anti-spoofing algorithm for facial recognition, protecting most fake photos and video attacks.

Features

- Visible light facial recognition technology and in-glass fingerprint verification.
- Visible light facial recognition in dimly lit environment even without supplement light.
- Full spectrum of authentication methods: support facial authentication/ fingerprint authentication/ palm authentication/ scramble QR code/ card/ password (Virtual Keypad)
- Supports multiple RFID modules: 125 kHz ID card / 13.56MHz IC card / ID & IC card.
- Enlarged Capacity: 6,000(facial authentication)/ 6,000(fingerprint)/ 3,000(palm)/ 10,000(RFID card) / 200,000 transactions
- HD video door phone via ZKBio Zlink or ZKBio Zexus mobile app / indoor monitor.
- Reached IP65 protection rating with waterproof and dustproof.
- Compatible with wired doorbell and wireless doorbell (optional).

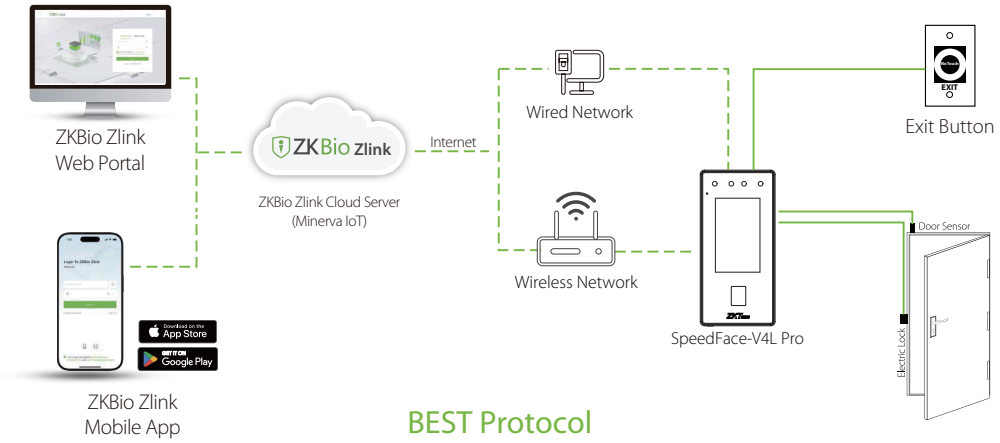
* Note: Palm authentication is for indoor use only.

Specifications

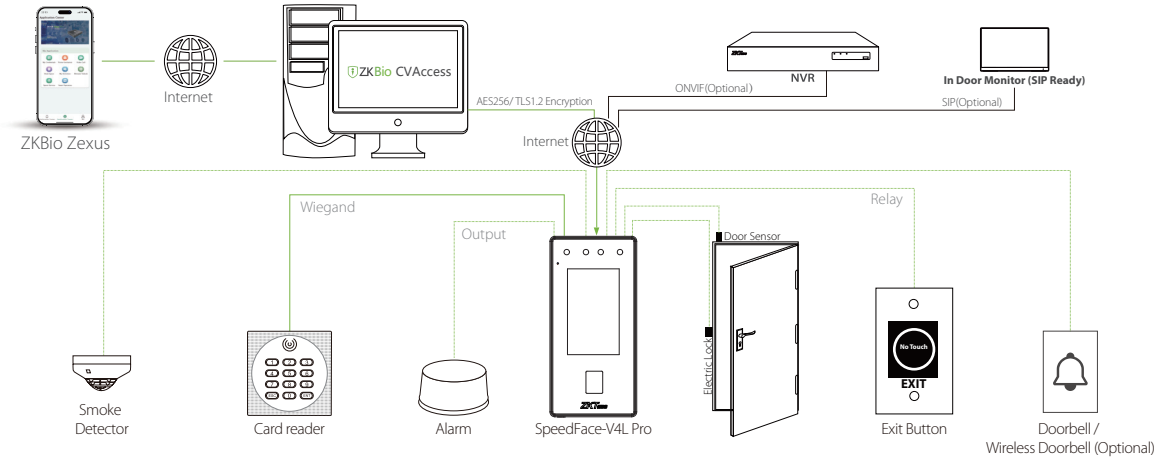
Model	SpeedFace-V4L Pro	SpeedFace-V4L Pro-QR	SpeedFace-V4L Pro-RFID
Order ID	AC01-SP10H-P47	AC01-SP09H-P47	AC01-SP08H-P47
Display	4"@ TFT Color Touch LCD Screen (480*800)		
Camera	Binocular Camera @ 2MP		
Operation System	Linux		
Hardware	CPU: Dual Core@1GHz RAM: 512MB; ROM: 8GB Speaker: 8 ohm@1 W Microphone: *1 (Sensitivity: -32dB / Omni-directional / Signal-to-Noise Ratio: 58dB / Impedance: 2.2kΩ)Fingerprint Sensor: In-Glass Fingerprint		
Authentication method	Face / Fingerprint / Palm (Optional) / Card (Optional) / Password (Virtual Keypad)	Face / Palm (Optional) / Scramble QR Code / Card (Optional) / Password (Virtual Keypad)	Face / Palm (Optional) / Card / Password (Virtual Keypad)
User Capacity	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)
Face Template Capacity	6,000 (1:N) (Standard)	6,000 (1:N) (Standard)	6,000 (1:N) (Standard)
Palm Template Cacacity	3,000 (1:N) (Optional)	3,000 (1:N) (Optional)	3,000 (1:N) (Optional)
Fingerprint Template Capacity	6,000 (1:N) (Standard)	/	/
Card Capacity	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)	6,000 (1:N) (Standard) / 10,000 (1:N) (Optional)
Transaction Capacity	200,000 (1:N)	200,000 (1:N)	200,000 (1:N)
Max. User Password Length	8 Digits		
Biometric Verification Speed	less than 0.35 second (Facial Recognition) less than 0.5 second (Fingerprint Recognition) less than 0.2 second (Palm Recognition)		
Touchless Biometric Recognition Distance	30cm to 170cm @Face 20cm to 30cm @Palm		
False Acceptance Rate (FAR) %	≤0.01% (Facial Recognition) ≤0.0001% (Fingerprint) ≤0.01% (Palm)	≤0.01% (Facial Recognition) ≤0.01% (Palm)	≤0.01% (Facial Recognition) ≤0.01% (Palm)
False Rejection Rate (FRR) %	≤0.02% (Facial Recognition) 0.01% (Fingerprint) ≤ 0.17% (Palm)	≤0.02% (Facial Recognition) ≤ 0.17% (Palm)	≤0.02% (Facial Recognition) ≤ 0.17% (Palm)
Biometric Algorithm	ZKFace V3.6 & ZKFinger V13.0/V10.0 & ZKPalmVein V20.1	ZKFace V3.6 & ZKPalmVein V20.1	ZKFace V3.6 & ZKPalmVein V20.1
Card Type	ID Card@125 kHz (Optional) IC Card@13.56 MHz (Optional) Optional Multi-Tech Module: Module1: ID & IC & DESFire EV1 / EV2 & Felica; (125 kHz & 13.56 MHz Dual Frequency); Module 2: HID Prox	ID Card@125 kHz (Optional) IC Card@13.56 MHz (Optional) Optional Multi-Tech Module: Module1: ID & IC & DESFire EV1 / EV2 & Felica; (125 kHz & 13.56 MHz Dual Frequency); Module 2: HID Prox	ID Card@125 kHz (Standard) IC Card@13.56 MHz (Optional) Optional Multi-Tech Module: Module1: ID & IC & DESFire EV1 / EV2 & Felica; (125 kHz & 13.56 MHz Dual Frequency); Module 2: HID Prox
QR Code	/	Dynamic QR codes on the ZKBio Zexus	/
Communication	TCP/IP*1 Wi-Fi (IEEE802.1a/b/g/n/ac) @ 2.4 GHz / 5G GHz Wiegand (Input & 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, Alarm output*1, Wired Doorbell*1		
Standard Functions	ADMS, DST, 14-digit User ID, T9 Keyboard (Input), Photo Capture, Event Photo Capture, Record Query, Tamper Switch Alarm, Automatic Status Switch, Multiple Verification Methods, Anti-Passback, Wired Doorbell, Schedule Bell, HTTPs / SSH Backend Access, AC Push and TA Push Protocol Switch		
Optional Functions	Wi-Fi, WorkCode, Video Intercom, Wireless Doorbell, DM10		
Video Intercom	Video Intercom (ZKTeco Private Protocol via TCP/IP) Support Devices: Standalone Terminal: SpeedFace-V4L Pro Series(Only ZAM230 Platform) Indoor Monitor: VT07-B01, VT07-B01-W		
	Video Intercom (Standard SIP Protocol) Support Devices: Standalone Terminal: SpeedFace-V4L Pro Series(Only ZAM230 Platform) Indoor Monitor: VT07-B22L, VT07-B26L-W Software: ZKBio CVAccess, BioTalk Pro Mobile App: ZKBio Zlink, ZKBio Zexus		
Power Supply	DC 12V 3A (Optional)		

Operating Temperature	-5°c to 45°c
Operating Humidity	10% to 90% RH (Non-condensing)
Dimensions	183 mm*88 mm*20.5 mm (L*W*H)
Gross Weight	0.503kg
Net Weight	0.453 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, Equivalent to RoHS

Configuration

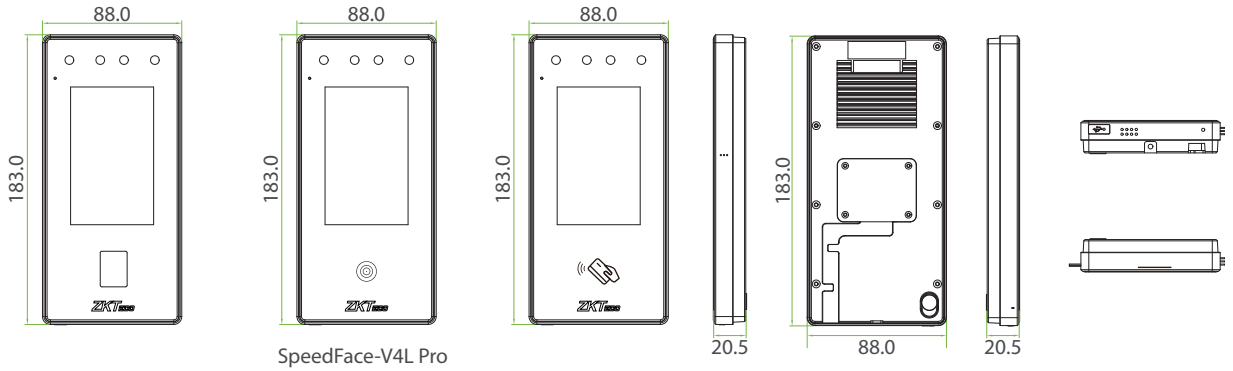


BEST Protocol



PUSH Protocol

Dimensions (mm)



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