# SpeedFace-V5L Series

FingerPrint&Face&Palm&QR Code Verification Terminal
with Temperature and Mask Detection Technology

Fingerprint Recognition | Face | Palm | QR Code | Temperature Detection | Masked Face

Compatible with ZKBio Access IVS

SMART | IOS | Android




SpeedFace-V5L SpeedFace-V5L[TD] SpeedFace-V5L[TI]

SpeedFace-V5L Series using intelligent engineering facial recognition algorithms and the latest computer vision technology. It supports Fingerprint, facial and palm verification with large capacity and speedy recognition, also the facial camera support QR code with Mobile APP, as well as improves security performance in all aspects.

SpeedFace-V5L Series adopts touchless recognition technology and masked individual identification which eliminates hygiene concerns effectively. It is also equipped with ultimate antispoofing algorithm for facial recognition against almost all types of fake photos and videos attack. Importantly, the 3-in-1 palm recognition (Palm Shape, Palm Print and Palm Vein) is performed in 0.35 sec per hand; the palm data acquired will be compared with a maximum of 3,000 palm templates. Besides, its facial camera supports QR code, PDF417, Data Matrix, MicroPDF417, Aztec, and so on, with ZKBioAccess IVS Mobile APP support Dynamic QR code for T&A/A&C .

The TD/TI Version with mask detection help reduce the spread of germs and help prevent infections straightly at each access point of any premises and public areas such as hospitals, factories, schools, commercial buildings, stations during the recent global public health issue with its masked individual identification funtion during facial and palm verification.

SpeedFace-V5L Series support video intercom Both via mobile app ZSmart and via PC software ZKBioTalk, also they are integrated ONVIF Video protocol,so that they can connect to Onvif NVR to Video surveillance and recording.

## Features

- Visible Light Facial Recognition
- Fingerprint and Palm Recognition
- QR code, PDF417, Data Matrix, MicroPDF417, Aztec
- Dynamic QR code with ZKBioAccess IVS Mobile APP
- Video intercom ZKBioTalk / APP: ZSmart
- Onvif Protocol
- Better hygiene with touchless biometric authentication and masked individual identification
- Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack and 3D mask attack
- Available card modules: 12.5 KHz EM card / 13.56MHz IC card (MF)
- Supplement light with adjustable brightness

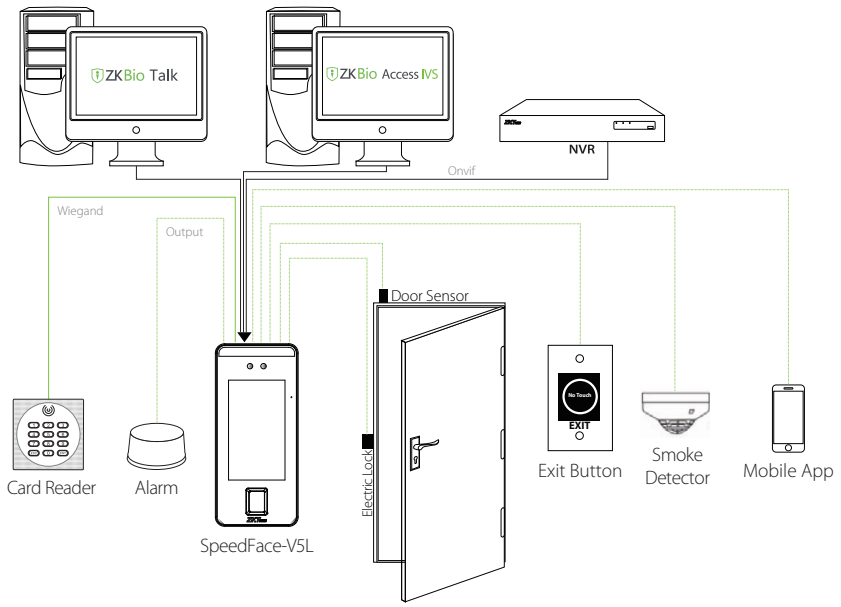
- Multiple Verification Methods: Fingerprint / Face / Palm / QR Code / Card / Password
- Mask detection;facial verification available with masks(Only TD/TI)
- Body temperature detection(Only TD/TI)
- Temperature Measurement Distance: 30 ~ 50cm (1~ 1.64ft) (TD)
- Temperature Measurement Distance: 30cm ~ 120cm (0.98ft~ 3.94ft) (TI)
- Temperature Measurement Accuracy: ±0.3°C (TD)
- Temperature Measurement Accuracy: ±0.3°C (±0.54°F), tested in a distance of 80cm (2.63ft) under 25°C (77° F) environment(TI)
- Temperature Measurement Range: 34 ~ 45°C (93.2 ~ 113°F)(TD)
- Temperature Measurement Range: 20°C ~ 50°C (68°F ~ 122°F)(TI)

* Facial verification for masked individuals will increase FAR. Palm verification for masked individuals is recommended. Temperature measurement data is for reference only, not for medical use.
SpeedFace-V5L[TD]/[TI] is available for indoor enviroments without wind or direct sunlight.

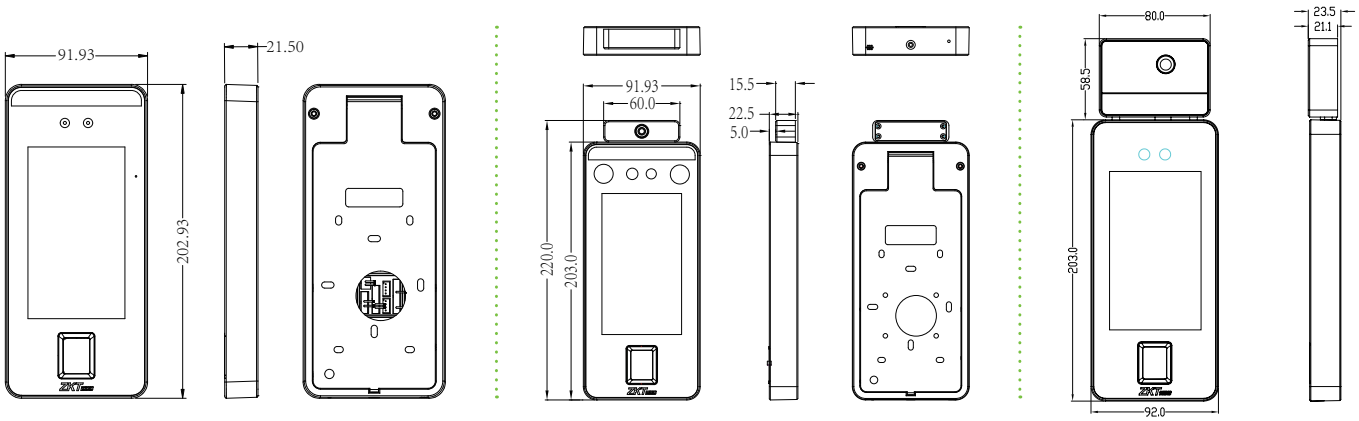
## Specifications

| Product Model | SpeedFace-V5L | SpeedFace-V5L[TD] | SpeedFace-V5L[TI] |
|---|---|---|---|
| Display | 5-inch Touch Screen | 5-inch Touch Screen | 5-inch Touch Screen |
| Fingerprint Capacity | 6,000 (Optional: 10,000) | 6,000 (Optional: 10,000) | 6,000 (Optional: 10,000) |
| Face Capacity | 6,000 (Optional: 10,000) | 6,000 (Optional: 10,000) | 6,000 (Optional: 10,000) |
| Palm Capacity | 3,000 | 3,000 | 3,000 |
| Card Capacity | 10,000 (Optional) | 10,000 (Optional) | 10,000 (Optional) |
| RFID | ID/IC (Optional) | ID/IC card (Optional) | ID/IC card (Optional) |
| QR Code | Dynamic / Static QR code (Optional) | Dynamic / Static QR code (Optional) | Dynamic / Static QR code (Optional) |
| Transactions | 200,000 | 200,000 | 200,000 |
| Operation System | Linux | Linux | Linux |
| Standard Functions | ADMS, T9 Input, DST, Camera, 9-digit User ID, Access Levels, Groups, Holidays, Anti-passback, Record Query, Tamper Switch Alarm, Multiple Verification Methods | | |
| Hardware | 900MHz Dual Core CPU, Memory 1G RAM / 8G Flash, 2MP WDR Low Light Camera, Adjustable Light Brightness LED | | |
| Communication | TCP/IP, WiFi (Optional), Wiegand input / output, RS485 | | |
| Onvif Protocol | Standard | Standard | Standard |
| ZKBioTalk | Standard | Standard | Standard |
| ZSmart | Optional | Optional | Optional |
| Access Control Interface | 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm output, Auxiliary Input | | |
| Facial Recognition Speed | ≤1s | ≤1s | ≤1s |
| Biometrics Algorithms | ZKFinger V10.0 / ZKFace V5.8 & ZKPalm V12.0 | | |
| Power Supply | 12V 3A | 12V 3A | 12V 3A |
| Operating Humidity | 10% - 90% | 10% - 90% | 10% - 90% |
| Operating Temperature | -10°C ~ 45°C (14°F ~ 113°F) | 16°C ~ 32°C (60.8°F ~ 89.6°F) | 16°C ~ 35°C (60.8°F ~95.0°F) |
| Dimensions (W*H*D) | 91.93 * 202.93 * 21.5 (mm) | 91.93 * 220 * 22.5 (mm) | 92.0 * 262.0 * 23.5 (mm) |
| Supported Softwares/APP | ZKBioAccess / ZKBioTalk / ZSmart | | |

## Configuration




## Dimensions (mm)




SpeedFace-V5L　　SpeedFace-V5L[TD]　　SpeedFace-V5L[TI]

## Supported NVR Models

Z8504NER, Z8508NER, Z8516NFR
POE Version: Z8504NER-4P, Z8508NER-8P, Z8516NFR-16P

## Mobile APP: ZSmart



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