



SpeedFace-V5L[QR][TI]

QR Code and Biometric Verification Terminal
with Mask and Thermal Imaging Temperature Detection Technology



Face



Palm



QR Code



Temperature
Detection



Masked Face

Compatible with
 **ZKBioSecurity**



SpeedFace-V5L[QR][TI] is an upgraded version of the SpeedFace-V5L[QR] Visible Light Facial Recognition Terminal, using intelligent engineering facial recognition algorithms and the latest computer vision technology. It supports a multi-factor identity authentication system by using QR Codes and acquired face/palm data for computational template matching. Besides, the terminal offers large capacity and speedy recognition.

SpeedFace-V5L[QR][TI] is powered by the QR Code Scanner that reads barcodes, such as QR codes, PDF417, Data Matrix, MicroPDF417, Aztec, presented on our ZKBioSecurity Mobile App for T&A/A&C. What's more? The terminal adopts touchless recognition technology and supplementary functions namely temperature detection and masked individual identification, which eliminates hygiene concerns effectively. It is also equipped with an 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 0.35s per hand; the palm data acquired will be compared with a maximum of 3,000 palm templates.

The terminal with temperature and mask detection will be a perfect choice to 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 fast and accurate body temperature measurement and masked individual identification functions during facial and palm verification as well as QR Code scanning.

Features

- 2D barcodes scanning: QR Code, PDF417, Data Matrix, MicroPDF417, Aztec
- Scramble QR codes with ZKBioSecurity Mobile App
- Visible Light Facial Recognition
- Better hygiene with touchless biometric authentication, temperature detection and masked individual identification
- Thermal Imaging Temperature Detection, 0.1s rapid detection, measurement distance from 30cm to 120cm
- Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack and 3D mask attack
- Multiple Verification Methods: Face / Palm / QR Code / Password

Special Functions

- Mask detection
- Body temperature detection
- Temperature Measurement Distance: 30cm to 120cm (0.98ft to 3.94ft)
- Temperature Measurement Accuracy: $\pm 0.3^{\circ}\text{C}$ ($\pm 0.54^{\circ}\text{F}$), tested in a distance of 80cm (2.63ft) under 25°C (77°F) environment
- Temperature Measurement Range: 20°C to 50°C (68°F to 122°F)

* Facial verification for masked individuals will increase FAR. Palm verification for masked individuals is recommended.

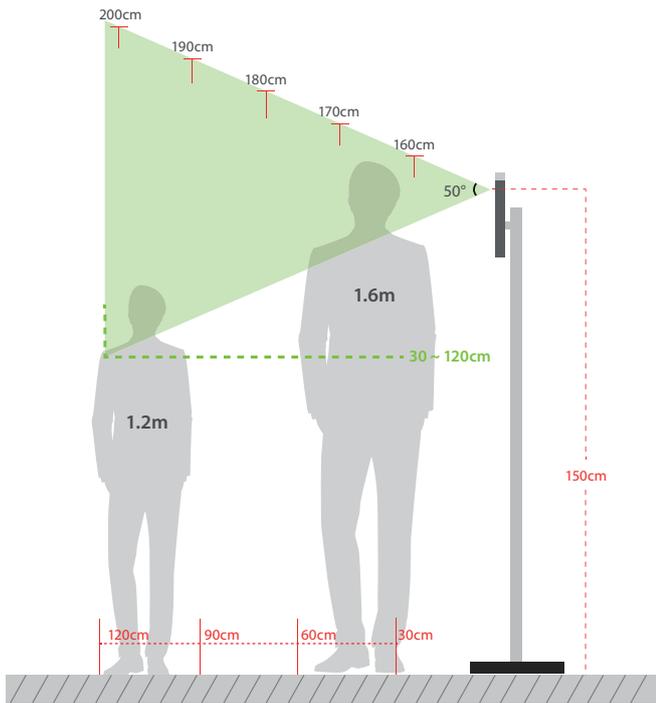
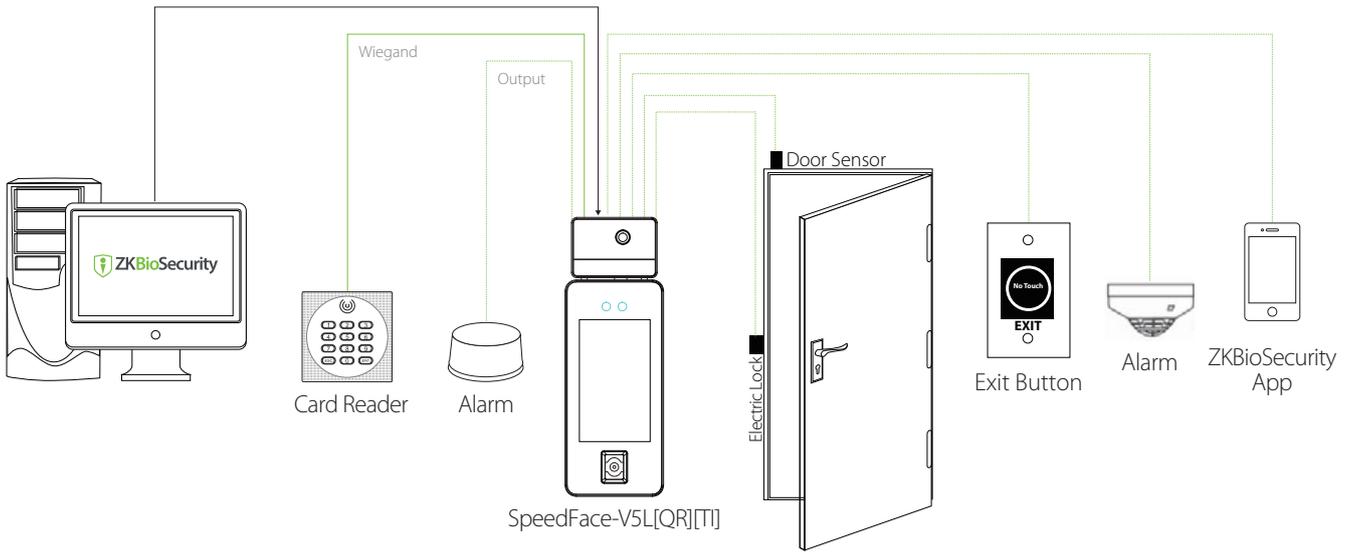
* Temperature measurement data is for reference only, not for medical use.

* SpeedFace-V5L[QR][TI] is available for indoor environments without wind or direct sunlight.

Specifications

Display	5-inch Touch Screen
Face Template	6,000
Palm Template	3,000
Transaction	200,000
Operation System	Linux
Standard Function	ADMS, T9 Input, DST, Camera, 9-digit User ID, Access Levels, Groups, Holidays, Antipassback, 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, Barcodes Scanning
Communication	TCP/IP, Wi-Fi (Optional), Wiegand Input/Output, RS485
QR Sensor	QR Code, PDF417, Data Matrix, MicroPDF417, Aztec
Access Control Interface	3rd-Party Electric Lock, Door Sensor, Exit Button, Auxiliary Input, Auxiliary Output (Alarm)
Facial Recognition Speed	$\leq 1\text{s}$
Biometrics Algorithm	ZKFace V5.8 & ZKPalm V12.0
Power Supply	DC 12V, 3A
Operating Humidity	10% to 90%
Operating Temperature	16°C to 35°C (60.8°F to 95.0°F)
Dimensions (W*H*D)	92.0 * 262.0 * 23.5 (mm)
Supported Software	ZKBioSecurity / ZKBioSecurity Mobile App

Configuration



Recommended Installation Height : 150cm
 Temperature Measurement Distance : 30cm to 120cm

Dimensions (mm)

