



# International Federation of Red Cross and Red Crescent Societies

## Project Description

**Project Site:** International Federation of Red Cross and Red Crescent Societies, South Jakarta, Indonesia

The International Federation of Red Cross and Red Crescent Societies (IFRC) is a worldwide humanitarian aid organization that reaches 160 million people each year through its 192 member National Societies. The IFRC is part of the International Red Cross and Red Crescent Movement along with the International

Committee of the Red Cross (ICRC) and 192 National Societies. The IFRC's strength lies in its volunteer network, community-based expertise and independence and neutrality.

## Project Requirements

### Access Control Solution

As a big organization, the need of extra security is a must. The client requires to control all access in each doors of the main office in order to monitor those who access the rooms especially the restricted ones. They require an access control software to connect and control all the access control terminals that will be installed.

### Time and Attendance Solution

Aside from the need of controlling the access, the client also requires a time attendance terminal to monitor and record the attendance logs of all the employees.

### Reliable Facial Recognition

Verification Methods suitable for different needs Biometric Verification Methods have been widely applied as it offers convenience and accuracy that conventional verification methods are not able to achieve. Our client is deeply interested in its preciseness of verification.

### Temperature Detection

As the most common symptoms of COVID-19 include fever, malaise, dry cough and shortness of breath, identifying people with high temperature has become one of the most common method to decrease the risk of virus spread. Generally, independent temperature detection devices are applied in access points including handheld infrared ear or forehead thermometers, however it not only take more manual work to staffs, but also does not prevent manual mistakes of detection. ZKTeco as a complete solution provider always expects to offer higher efficiency and performance.

## Configurations

System	Device Name	Device Model	Quantity
Time & Attendance	Time Attendance Terminal	Speedface V5L [TI]	4
	Time Attendance Terminal	Speedface V5L [TD]	2
Access Control	Flap Barrier Turnstile	FBL2000	2
Software	Access Control Software	ZKBioSecurity	
	VMS Management	ZKBioSecurity	
	Time Attendance Software	ZKBioSecurity	

## Function Description

- SpeedFace-V5L [TI] & SpeedFace-V5L [TD] are Visible Light Facial Recognition. Better hygiene with touchless biometric authentication, temperature detection and masked individual
- Thermal Imaging Temperature Detection, 0.1s high Speed detection, measurement distance of 30 – 120cm.
- Anti-spoofing algorithm against print attack (laser, color and B/W photos), video attack and 3D mask attack. Multiple Verification Methods: Face / Palm / Fingerprint / Password.
- ZKBioSecurity is the ultimate “All in One” web based security platform developed by ZKTeco. It contains multiple integrated modules: access control, time attendance, elevator control (online / offline), hotel module, visitor management, parking, guard patrol and video linkage. With an optimized system architecture designed for high level biometric identification and a modern-user friendly UI, ZKBioSecurity provides the most advanced solution for a whole new user experience.



## Function Description

- SpeedFace-V5L [TI] is a fully upgraded version of the SpeedFace-V5L [TD] visible light facial recognition body temperature detection terminal, using Thermal Imaging intelligent engineering facial recognition algorithms and the latest computer vision technology.
- It supports both facial and palm verification with large capacity and speedy recognition, as well as improves security performance in all aspects. SpeedFace-V5L [TI] adopts touchless recognition technology and new functions namely temperature detection and masked individual identification which eliminates hygiene concerns effectively.
- It is also equipped with ultimate anti-spoofing 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.
- 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.