

# SpeedFace M4

Linux-Based Multi-Biometric  
Access Control and Time & Attendance Terminal  
with Visible Light Facial Recognition & Palm Recognition



Multiple Card  
Formats



IP66



Wide Operating  
Temperature Range



Proactive  
Facial Recognition



Wide Palm Pose Angle  
Acceptance

Compatible with

**ZK Bio Access IVS**

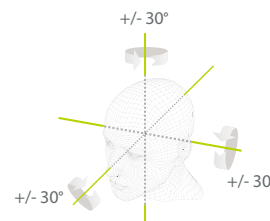


## Features

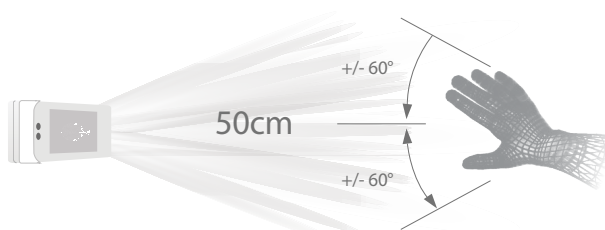
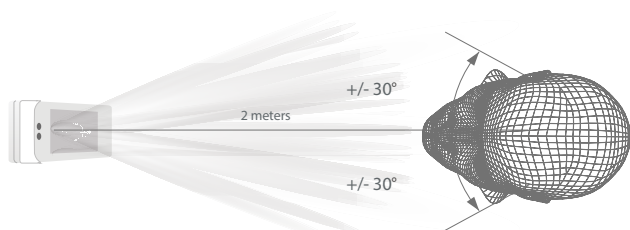
- Visible Light Facial Recognition
- Anti-spoofing algorithm against almost all kinds of print attack (laser, color and B/W photos), videos attack and 3D mask attack
- Multiple verification methods: Face / Palm / Card / Password
- Available card modules: ID / IC / HID / iClass / Felica / Desfire EV1 / EV2 / Legic
- Supplement light with adjustable brightness
- Capacity: 6,000 face templates; 3,000 palm templates; 10,000 cards; 200,000 logs
- IP66

## 2 meters of recognition distance and extra wide angle recognition

The recognition distance has been greatly extended to 2 meters, which significantly improves the maximum traffic rate. While most of the algorithms only support  $\pm 15^\circ$  of detectable face angle, SpeedFace M4 doubles the detection angle in terms of head rotation and tilt to  $\pm 30^\circ$ .



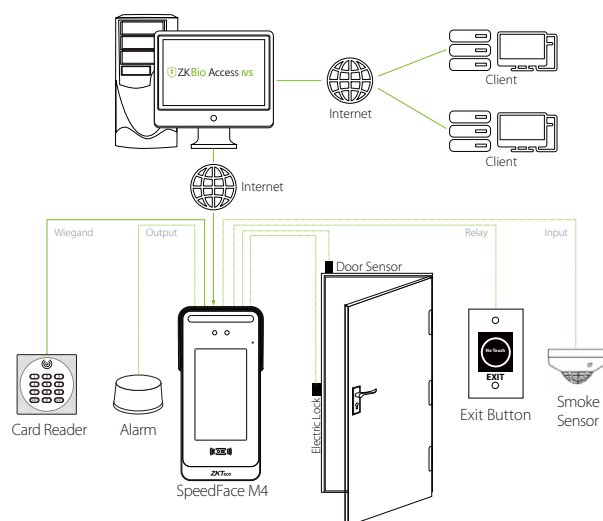
Touchless palm authentication method with a novel hand tracking technique allowing angle tolerance as wide as  $\pm 60^\circ$  in the roll axis and a recognition distance of 50cm.



## Specifications

|                          |                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display                  | 5" Touch Screen                                                                                                                                                                                            |
| Face Capacity            | 6,000                                                                                                                                                                                                      |
| Palm Capacity            | 3,000                                                                                                                                                                                                      |
| Card Capacity            | 10,000                                                                                                                                                                                                     |
| Transaction              | 200,000                                                                                                                                                                                                    |
| Operating System         | Linux                                                                                                                                                                                                      |
| Function                 | ID Card, ADMS, DNS, T9 Input, DST, Camera, 9-digit User ID, Advance Access Control, Groups, Holidays, Anti-passback, Record Query, Tamper Switch Alarm, Bell Scheduling, POE (Optional, IEEE 802.3at-2009) |
| Hardware                 | 1GHz Dual Core CPU<br>1G RAM / 8G Flash<br>2MP WDR Low Light Camera<br>Adjustable LED Supplement Lighting<br>Rain Cover (Optional)                                                                         |
| Communication            | TCP/IP, Wi-Fi (Optional), Wiegand Input / Output, RS485                                                                                                                                                    |
| Access Control Interface | 3rd-party Electric Lock, Door Sensor, Exit Button, Alarm Output, Aux. Input                                                                                                                                |
| Optional Card Module     | IC / HID / iClass / Felica / Desfire EV1 / EV2 / Legic                                                                                                                                                     |
| Facial Recognition Speed | ≤0.5s per face                                                                                                                                                                                             |
| Biometrics Algorithms    | ZKFace V5.8 & ZKPalm V12.0                                                                                                                                                                                 |
| Protection Level         | IP66                                                                                                                                                                                                       |
| Power                    | Voltage: DC 12V<br>Current: Max. 3A                                                                                                                                                                        |
| Working Humidity         | 10% to 90%                                                                                                                                                                                                 |
| Working Temperature      | -30°C to 60°C                                                                                                                                                                                              |
| Dimensions (W*H*D)       | 103.83*212.41*50.60 (mm)                                                                                                                                                                                   |
| Supported Software       | ZKBioAccess IVS                                                                                                                                                                                            |

## Configuration



## Dimensions (mm)

