1 Overview

- Flash
- Camera
- Near-infrared flash
- 8” touchscreen
- Mounting bracket
- Speaker
- Reset button

Note: The ground wire shall be grounded during installation, otherwise lightning protection will be affected.
2 Device Installation

❖ Install on the barrier gate

① Drill a hole with a diameter of 30mm on the barrier gate, 30cm away from the edge of the gate (adjustable range of 20~40cm).
② Insert the mounting bracket into the hole and fix it with a nut.
③ Adjust the angle of the device (When the gate's height is 0.9 meter, tilt the monitor for 13~18 degrees upwards; when the gate's height is 1 meter, tilt the monitor for 10~15 degrees upwards; and when the gate's height is 1.1 meters, tilt the monitor for 3~8 degrees upwards.)
3 Standalone Installation

4 Door Sensor, Exit Button & Alarm Connection
5 Lock Relay Connection

The system supports “Normally Opened Lock” ("NO Lock", normally opened when the device is power-on) and "Normally Closed Lock" (NC Lock, normally closed when the device is power-on). The NO LOCK is connected with 'NO' and 'COM' terminals, and the NC LOCK is connected with 'NC' and 'COM' terminals. Take the NC Lock as an example:

1) Device not sharing power with the lock

\[
\begin{array}{c}
\text{DC12V} \\
\text{+} \\
\text{-}
\end{array}
\quad
\begin{array}{c}
\text{GND} \\
\text{+12V}
\end{array}
\]

\[
\begin{array}{c}
\text{WD1-OUT} \\
\text{WD0-OUT} \\
\text{GND} \\
\text{GND} \\
\text{AUX} \\
\text{SEN} \\
\text{BUT} \\
\text{NO} \\
\text{COM} \\
\text{NC} \\
\text{AL-} \\
\text{AL+} \\
\text{GND}
\end{array}
\]

2) Device sharing power with the lock

\[
\begin{array}{c}
\text{DC12V} \\
\text{+} \\
\text{-}
\end{array}
\quad
\begin{array}{c}
\text{GND} \\
\text{+12V}
\end{array}
\]

\[
\begin{array}{c}
\text{WD1-OUT} \\
\text{WD0-OUT} \\
\text{GND} \\
\text{GND} \\
\text{AUX} \\
\text{SEN} \\
\text{BUT} \\
\text{NO} \\
\text{COM} \\
\text{NC} \\
\text{AL-} \\
\text{AL+} \\
\text{GND}
\end{array}
\]

6 Wiegand Reader Connection

\[
\begin{array}{c}
\text{Wiegand Reader} \\
\text{WD1} \\
\text{WD0} \\
\text{+12V} \\
\text{GND}
\end{array}
\]

\[
\begin{array}{c}
\text{Access Controller} \\
\text{WD1-OUT} \\
\text{WD0-OUT} \\
\text{GND} \\
\text{GND} \\
\text{AUX} \\
\text{SEN} \\
\text{BUT} \\
\text{NO} \\
\text{COM} \\
\text{NC} \\
\text{AL-} \\
\text{AL+} \\
\text{GND}
\end{array}
\]
7 Barrier Connection

8 RS485 Connection
9 Power Connection

- Recommended power supply: 12V - 3A
- To share the power with other devices, use a power supply with higher current ratings.

10 Ethernet Connection

Connect the device and computer software over an Ethernet cable. An example is shown below:

Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0
IP address: 192.168.1.130
Subnet mask: 255.255.255.0

Note: In LAN, IP addresses of the server (PC) and the device must be in the same network segment when connecting to ZKBioSecurity software.

Click [Comm.] > [Ethernet] > [IP Address], input the IP address and click [OK].
11 User Registration

When there is no super administrator set in the device, click on 🛡 to enter the menu. After setting the super administrator, the system will request for the administrator’s verification before entering the menu. For the security purpose, it is recommended to register for a super administrator account when you use the device for the first time.

Method1: Register on the device
Click 🛡 > [User Mgt.] > [New User] to register for new user accounts. Settings include user ID, name, user role, face, password, user photo and access control role.

Method2: Register on ZKBioSecurity software
Click [Personnel] > [Person] > [New] to register users in the software. For specific operation, please refer to ‘ZKBioSecurity User Manual’.
12 Access Control Settings

Click 📀 > [Access Control] to enter the access control management interface and set relevant parameters of access control.

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13 Ethernet and Cloud Server Settings

Click 📀 > [Comm.] > [Ethernet] to set the network parameters. If the TCP/IP communication of the device is successful, the icon 📀 will be displayed in the upper right corner of the standby interface. Click 📀 > [Comm.] > [Cloud Server Setting] to set the server address and port number of the server after the software is installed. If the device communicates with the server successfully, the icon 📀 will be displayed in the upper right corner of the standby interface.