Before using those products, please read manual in detail
【Note】: The illustrations in this manual, the screen display, All in order to more directly in detail expound the operation of the products, due to the different version upgrades and production batch, they might a little different from the machine with you, If mentioned in this manual content does not accord with your machine, please refer to our machine!
1: Technical parameters:

<table>
<thead>
<tr>
<th>Number</th>
<th>List</th>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Working voltage</td>
<td>DC, Voltage 15V, electric current less than 200mA</td>
</tr>
<tr>
<td>2</td>
<td>Memory capacity</td>
<td>500 ID cards, 500 code, 10 group universal code</td>
</tr>
<tr>
<td>3</td>
<td>Cards read distance</td>
<td>0-2CM</td>
</tr>
<tr>
<td>4</td>
<td>Cards type</td>
<td>EM or EM compatible card</td>
</tr>
</tbody>
</table>

2: Acousto-Optic indication

<table>
<thead>
<tr>
<th>Case</th>
<th>Red light</th>
<th>Blue light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby</td>
<td>Alternate shining each seconds</td>
<td></td>
</tr>
<tr>
<td>Entry into programming</td>
<td>Fast flashing</td>
<td></td>
</tr>
<tr>
<td>Programming confirm</td>
<td>Flash</td>
<td></td>
</tr>
<tr>
<td>Cards unlock</td>
<td>Flash</td>
<td></td>
</tr>
<tr>
<td>Unvalid cards unlock</td>
<td>Red and blue light blink 3 times alternate</td>
<td></td>
</tr>
<tr>
<td>Give an alarm</td>
<td>Flash</td>
<td></td>
</tr>
</tbody>
</table>

3. Build-in buzzer

<table>
<thead>
<tr>
<th>Case</th>
<th>Introductions</th>
<th>Ring</th>
</tr>
</thead>
<tbody>
<tr>
<td>valid cards</td>
<td>1 long beep</td>
<td>Di—</td>
</tr>
<tr>
<td>invalid cards</td>
<td>5 short beep</td>
<td>Di Di Di Di Di</td>
</tr>
<tr>
<td>valid key</td>
<td>1 short beep</td>
<td>Di</td>
</tr>
<tr>
<td>valid password</td>
<td>1 long beep</td>
<td>Di—</td>
</tr>
<tr>
<td>invalid password</td>
<td>5 short beep</td>
<td>Di Di Di Di Di</td>
</tr>
<tr>
<td>Give an alarm</td>
<td>Continuous blow</td>
<td>Di—Di—Di—</td>
</tr>
</tbody>
</table>

3. Setup and use ways

2. Enter the Programming Mode:
   Press * + Programming code + # Enter into programming
4. Function set: (under programming model)
   (1) Modify programming code:
   Press 0 + New code + # + new code again + # (Code: 4-6 Random figures)
   (2) Setup unlock way: (Factory default: read valid cards unlock)
   Press 100 + # Read valid cards unlock
   Press 101 + # Read valid cards and input valid code unlock
   Press 102 + # Read valid cards or input valid code unlock
   Note: if unlock by card + code, you need type the code within 10s after
   reading the card, Only type private code can f open the door.
   (3) Add User ID cards:
   Press 2 + code + read cards + #
   1). Continuous increasing cards: read the second card after
   pressing #, and the codes No, will be given automatically. And press # to
   confirm. card code is 4 unrepeatable No. (0001-0500)
   (4) Delete user cards:
   Press 30000 + # Delete all user cards
   Press 3 + read cards + # Delete all read cards
   Press 3 + card code + # delete corresponding cards
   (5) Setup unlock time (Factory default is 3 seconds)
   Press 4 + Time + # time, Time: double digits, unit: seconds.
   Electronic control lock open the door time should be 1 seconds
   (6) Security model: (Default setting: close)
   Press 700 + # Close security function
   Press 701 + # Open security function
   Note: Use 5 invalid cards consecutively or use valid card but use invalid code 5
   times, the system will dead lock 5 minutes.
   (7) Universal code setup
   Press 8 + (0-9) Address code + new code + # + new code again + # (code: 4
   random figures), When use code unlock: input the code + # confirmation
   (8) Press 9 + 86 all system go to default setting

5. Exit programming code
   Press * Exit programming code, Note: all set will be saved by press # in two
   seconds, press * exit.

6. User code setup
   Press * input code after read the ID card, Press # change card code. Input 4
   random figures as the new code
   Press # input the new code again, press # again save the code. user card code
   can f unlock without the card together.

7. Operation instruction
   (1) Recovery program code: if you forget the programmed code, please press the
   reset button (under the battery box) and back to the
   very begging and other date will no change.
   (2) If you unlock the door by card + code, please type the code
   after read the card, and press # to confirm.
   (3) if you unlock by the universal code, you need press # after
   type the code.

8 Reset programming code
   (open the battery cover of outdoor unit) Press "reset " key can reset
   programming code, other settings remain unchanged.

9. Add/Delete unlocking remote control
   Remote control frequency is 315MH Z)
   (1) Add unlocking remote control: power on outdoor unit and press the
   remote control pair button. Than press remote control A/ B/ C/D any one of
   them release the hand after one seconds, Again press A/ B/ C/D any one of
   them will hear the buzzer, Pair successful
   (2) Delete all unlock remote controls: power on outdoor unit and press the
   remote control pair key 8-10 seconds, than delete successful.

1v1,2v1 Operation details:
(1) Door bell operation:
   When indoor unit in standby mode, the visitor press outdoor unit call button,
   indoor unit will ring and show the video of outdoor visitor, the host can press
   the talk button intercom with the visitor, video and intercom up to 120 seconds,
   under the model of intercom, the host can press the unlock button control
   electric lock and open the door, press monitor button or talk button again, stop
   intercom and video. Indoor unit go to standby mode automatically.
(2) Monitoring operation:
When outdoor unit in standby mode, press monitor button in indoor unit, indoor unit can monitor outside any time, monitoring delay time is 60 seconds

(3) Music choose:
Under monitoring model, press door bell music key, change music

1v2 to 1v6 Operation details:

(1) Door bell operation:
When indoor unit in standby mode, the visitor press outdoor unit call button, indoor unit will ring music and show the video of outdoor visitor, the host can press the talk button intercom with the visitor, video and intercom up to 120 seconds, under the model of intercom, the host can press the unlock button control electric lock and open the door, press monitor button or talk button again, stop intercom and video. Indoor unit go to standby mode automatically.

(2) Monitoring operation:
When outdoor unit in standby mode, press monitor button in indoor unit, indoor unit can monitor outside any time, monitoring delay time is 60 seconds

(3) Music choose:
Under monitoring model, press door bell music key, change music

(4) Intercom between indoor units:
When indoor unit in standby mode, press talk button in indoor unit, other indoor units will ring music, press any one of the other indoor units talk button, intercom can achieve between indoor units, talking time is 120 seconds, among those time, press monitor button or talk button again exit to standby mode.
Installation instructions
Wires connection show:

Four-core wire standard
Green: Audio cable
Black: Ground wire
Red: B+ (outdoor unit power line)
Yellow: Video line

Six-core wire standard
Green: Audio cable
Black: Ground wire
Red: B+ (outdoor unit power line)
Indoor unit installation instruction:
Model: SY806

The installation of indoor unit

The perfect installation height of indoor unit is that the center of the surveillance screen should be 145cm-160cm above the ground.
This parameter is only for reference.

Model: SY811

Model: SY901

Outdoor unit installation instruction:

The installation of station

Effective range

About 180 cm
About 70 cm
About 110 cm

Effective range for left and right

Effective range for up and down

Installation for the external frames

Attention items:
Avoid installing this camera with direct exposure to sunlight. At night, when the visitors’ back is shown by the streetlight or luminance things, you should install a light to enhance the imaging effects.
4. Specifications

<table>
<thead>
<tr>
<th>Outdoor unit</th>
<th>Indoor unit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>power</strong></td>
<td><strong>power</strong></td>
</tr>
<tr>
<td>input: AC 100-240V 50/60Hz</td>
<td>input: AC 100-240V 50/60Hz (4line)</td>
</tr>
<tr>
<td>output: DC 15V/2A</td>
<td>output: DC 15V/2A</td>
</tr>
<tr>
<td><strong>camera</strong></td>
<td><strong>screen</strong></td>
</tr>
<tr>
<td>CMOS 420TVL</td>
<td>7” TFT 80 234</td>
</tr>
<tr>
<td><strong>LED</strong></td>
<td><strong>Valid area</strong></td>
</tr>
<tr>
<td>6pcs</td>
<td>154.08(H) 86.58(V)</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td><strong>Power consumption</strong></td>
</tr>
<tr>
<td>Standby:2W; unlock:12W</td>
<td>Standby:2W; unlock:12W</td>
</tr>
<tr>
<td><strong>Valid distance</strong></td>
<td><strong>Talk time</strong></td>
</tr>
<tr>
<td>80m(6*0.65MM2)</td>
<td>120S±10%</td>
</tr>
<tr>
<td><strong>Viewing angle</strong></td>
<td><strong>Monitor time:</strong></td>
</tr>
<tr>
<td>92 degrees</td>
<td>60S±10%</td>
</tr>
<tr>
<td><strong>Working temperature</strong></td>
<td><strong>Working temperature</strong></td>
</tr>
<tr>
<td>10 degrees Celsius +50 degrees Celsius</td>
<td>10 degrees Celsius +50 degrees Celsius</td>
</tr>
<tr>
<td><strong>size</strong></td>
<td><strong>size</strong></td>
</tr>
<tr>
<td>170×115×70(H)MM</td>
<td>228(L) × 130(W) × 25(H)MM</td>
</tr>
<tr>
<td></td>
<td>238(L) × 168(W) × 24(H)MM</td>
</tr>
<tr>
<td></td>
<td>300(L) × 210(W) × 30(H)MM</td>
</tr>
</tbody>
</table>

5. Work environment

(1) Operating temperature range: -10°C~+55°C
(2) Operating humidity range: not more than 85%

6. Machine maintenance

(1) Keep surface clean, dust on the machine can be cleaned by soft dry cloth;
(2) Need to turn off the power switch when clean indoor unit,
(3) If machine surface is difficult to clean by different dry cloth, it can be cleaned by soft towel moistened by diluted neutral detergent, then clean with a dry cloth;
(4) Do not use organic solvents such as benzene, thinner or gasoline to clean, these solvents may damage the machine or cause the machine and surface discoloration.

7. Notice

(1) The machine should be placed on the place with solid, well-ventilated, dry and no direct sunlight, no strong magnetic fields and dust;
(2) Do not use chemical to clean the surface; clean, soft and dry cloth can be used to clean.
(3) Avoid to press multiple keys at the same time;
(4) Outdoor and indoor unit needs to match with specified models, and can not mix to use with other models or other company's product.
(5) Do not open the machine without permission, please contact with your dealer or our technical department if you need any maintenance.
### Failure diagnosis

<table>
<thead>
<tr>
<th>NO.</th>
<th>Malfunction</th>
<th>Checking</th>
<th>Debug</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fail to start the product</td>
<td>If the plug of power adapter correctly?</td>
<td>Re-connect indoor monitor with power adapter</td>
</tr>
<tr>
<td>2</td>
<td>Blue screen or no video</td>
<td>If 4-core wire and 6-core wire connection correctly?</td>
<td>Unplug and reconnect 4-core wire &amp; 6-core wire. If the line has extended, please check whether the wiring color/position/direction correctly.</td>
</tr>
<tr>
<td>3</td>
<td>Indoor to outdoor are silent</td>
<td>Without press indoor unit talk button?</td>
<td>After call outdoor, press the talk button in indoor unit to achieve inside and outside intercom.</td>
</tr>
<tr>
<td>4</td>
<td>901 indoor unit long time blue screen</td>
<td>Check if monitoring function is on and if C1/C2/C3/C4 lights?</td>
<td>Keep two microphones distance more than 5 meters</td>
</tr>
<tr>
<td>5</td>
<td>Howlround</td>
<td>Indoor unit and outdoor unit two microphones distance is less than 0.5 meters?</td>
<td>Keep two microphones distance more than 5 meters</td>
</tr>
<tr>
<td>6</td>
<td>Intercom voice too small</td>
<td>Whether the intercom tone to a minimum?</td>
<td>Adjust the volume to the suitable place</td>
</tr>
<tr>
<td>7</td>
<td>image blur</td>
<td>Whether the acrylic panel protective film tear off?</td>
<td>Take away acrylic panel protective film</td>
</tr>
<tr>
<td>8</td>
<td>Can I unlock</td>
<td>If the electronic lock is 12V?</td>
<td>Choose 12V electronic lock.</td>
</tr>
<tr>
<td>9</td>
<td>current noise</td>
<td>Microphone broken?</td>
<td>Find the broken Microphone from indoor unit and outdoor camera and change it.</td>
</tr>
</tbody>
</table>

### Special suggestion

#### AC100-240V IN

- After installed, if you can't open the lock, it is possible that your wire diameter is not enough.
- By this way, you have to add one power supply control. (Look below picture)
8: Accessory

- Indoor unit
- 15V/2A Power supply
- Lock wire
- Mounting plate
- Color package
- Rainproof cover
- 5 pcs ID cards

【Note】: Door open button, Electronic lock not included

9. Technical support and services

(1) We insist on pre-sale, sale, after-sale tracking service, Before installation please kindly read the user manual carefully;

(2) Before use this products, the customers should be strictly carried out in accordance with the user manual, Any doubt, please contact with our technical support and consulting service centre;

【Note】: Our company is committed to reform and innovate products, This manual graphics for reference only, if there is any discrepancy, Please refer to product for reference