



ZHUDELE



Instruction Manual



SAFE & COMFORTABLE HOME



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**WARNING** : TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE

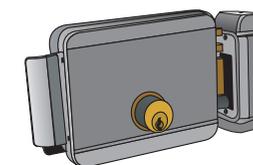
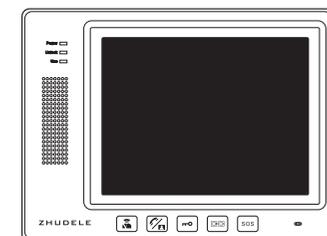
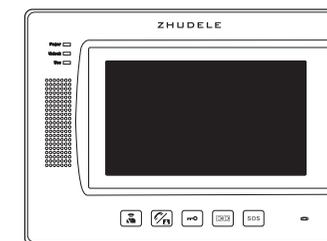
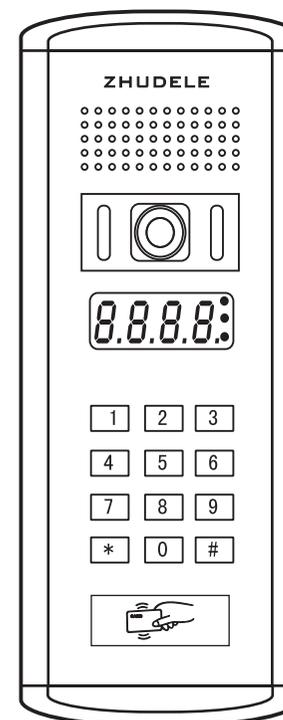
This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

**CAUTION** : TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY

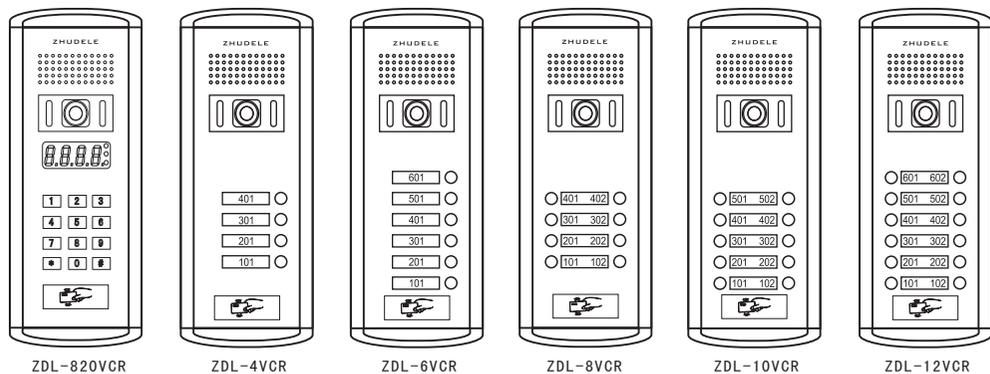
This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**CAUTION** : TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL

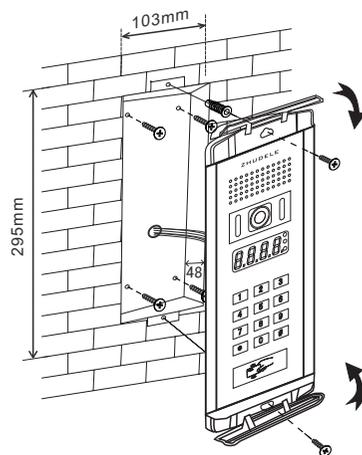
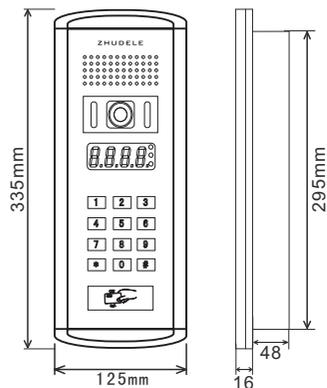
**CAUTION** : TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL



# Outdoor unit image & dimension



Size: 335 (L) x 125 (W) x 64 (H) mm  
 Embedded size: 295 (L) x 103 (W) x 48 (H) mm



Night vision illumination distance; more than 2 meters

Gain Control: Automatic

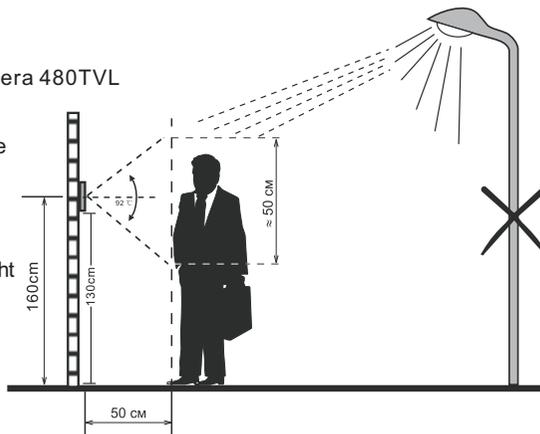
Working temperature: -35-55 °C

Resolution: High Definition CCD Camera 480TVL

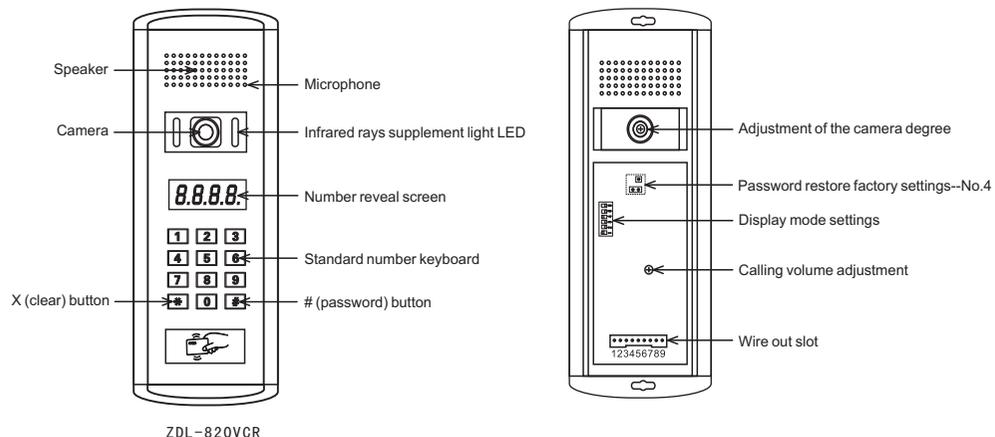
Intensity of illumination: 0.01Lux

Camera angle: 92 degrees wide-angle

The door station installation avoid sunshine and water; Camera avoid backlight or the light of dark place, making the image more clearly



# Functions and settings of outdoor unit



Password setting(factory system password:2000)

## 1. Setting the unlock password (Unlocking password can be set 999 group).

When the host is in standby mode, Input the system password:2000 and then pressing"#" key (host display PPPP), Entering group password <XXXYYYY>, and then Pressing"#", Host display <DONE>,Host XXX group unlocking password is set by YYYY,<XXX> is the password group number, <YYYY> is unlocking password; X, Y an arbitrary number. But<XXX>can't be<000>;<YYYY>can't be consistent with the current master password.

Example: Setting the password: #2000# 001 1234# password: #1234#

## 2. Change the system password

When the host is in standby mode, Input the system password: 2000, and then Pressing"#"key (host display PPPP), Entering group password <000NNNN>, and then Pressing"#",Host display <DONE>, The password is changed "NNNN"(N is arbitrary number)

Example: Change the system password:#2000# 000 3333# that is replaced system password: 3333

## 3. Cancel the single unlocking password

When the host is in standby mode, Input the system password: 2000, and then pressing " #"key (host display PPPP), Entering group password<XXX>, and then pressing"#", Host display<DONE>, The XXX group unlocking password has been canceled.

Example: # 2000# XXX#(Single password has been canceled)

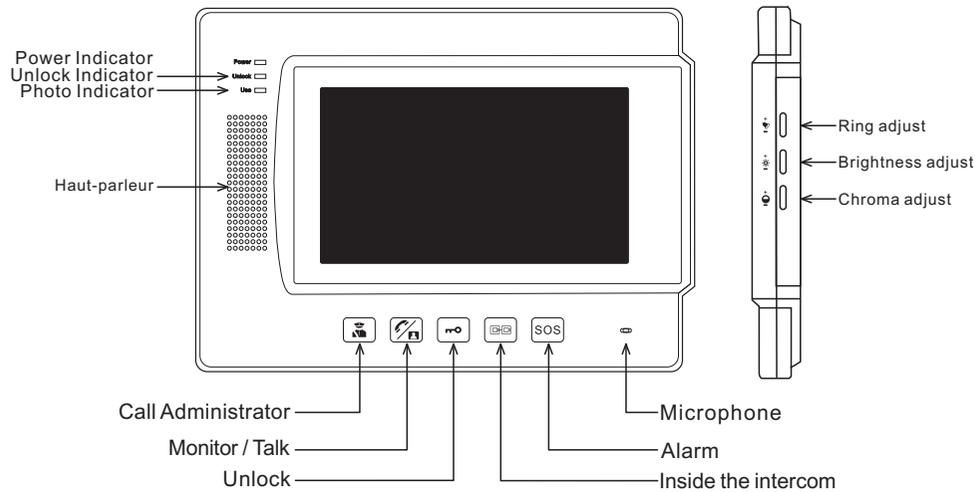
## 4. Cancel all unlocking password

Connecting with the< [ ] >on the back of the door station PCB, And then pressing long-time< [ ] > <PASSWORD> key, digital tube displayed< -- >, and then removing< [ ] > its short-circuit cap, Firstly power-off, And then power-on, All the setting password will be cleared.

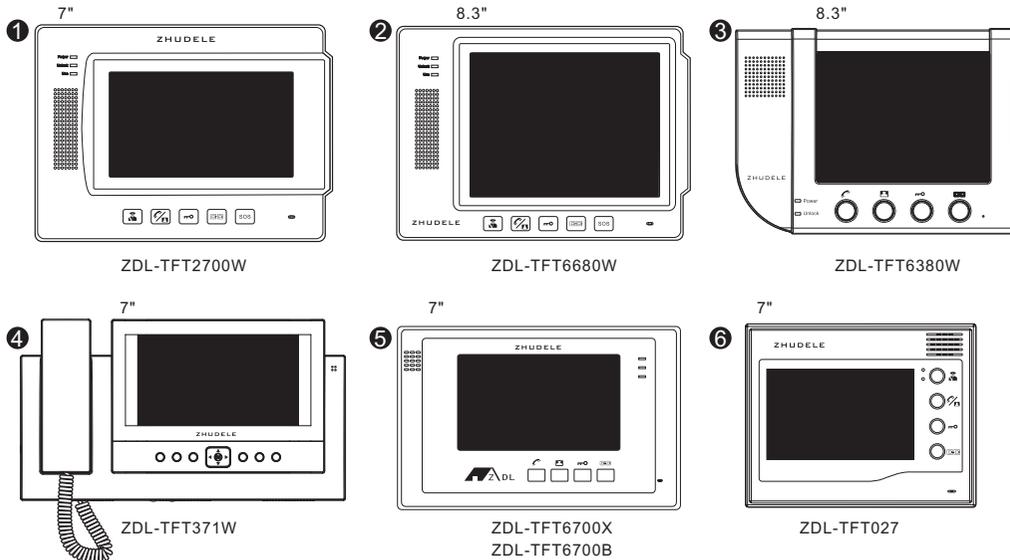
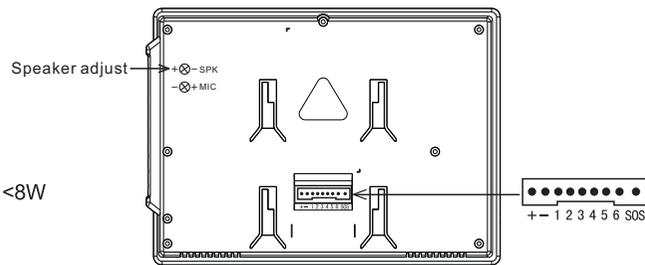
## 5.The system password initialization setting

Pull-back< [ ] ON >to "ON" key on the back of the door station PCB, And then pressing long-time< [ ] ><PASSWORD> key, digital tube displayed < LLLL >, And then press < [ ] ON >back to<3>, Firstly power-off, And then power-on, The system password is 2000.

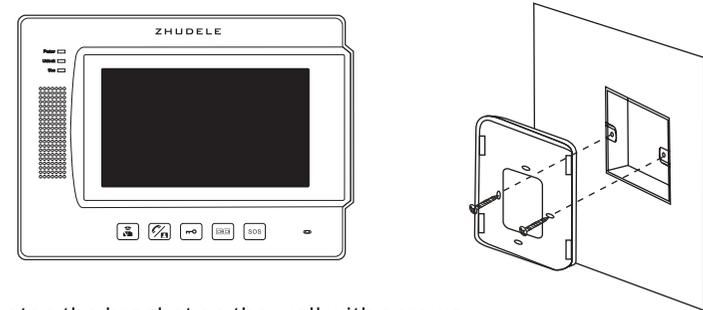
# Indoor monitor image & dimension



Pixel: 7" 800(H) X 480(V)  
 8.3" 800(H) X 600(V)  
 Talk time delay: 90S  
 Monitor time delay: 30S  
 Dissipation: stand-by <1W; working <8W  
 Working temperature: -25°C - 50°C



# Functions and settings of indoor monitor



- ①、Fasten the bracket on the wall with screws.
- ②、Hang the unit on the bracket after finishing the connection.

### Indoor phone room NO. setting:

The room number by the four-digit form, according with 1000, 100, 10, 1 digit sequence, Pressing " " key when extension standby mode over 5 seconds, after warning tone release. Pressing " " key, enter the extension number of 1000 digit, Pressing 1 time " " key, 1000 digit display 1, Pressing key 2 times " " key, 1000 digit display 0. There have 2, followed by analogy, if 1000 digit display 0; Directly pressing " " key to confirm, 1000 digit display 0. There have 2 short warning tone. In accordance with the above steps, followed analogy by input the extension number of 100 digit, 10 digit and 1 digit. Extension number input is completed, there is a warning tone, Indicating an effective setting.

Example: A room number is 2013, Pressing a long time " " key loosely after 5 seconds. Pressing " " key twice times, Pressing " " twice times. Pressing " " key one time, Pressing " ", Pressing " " key thrice times, Pressing " " one time.

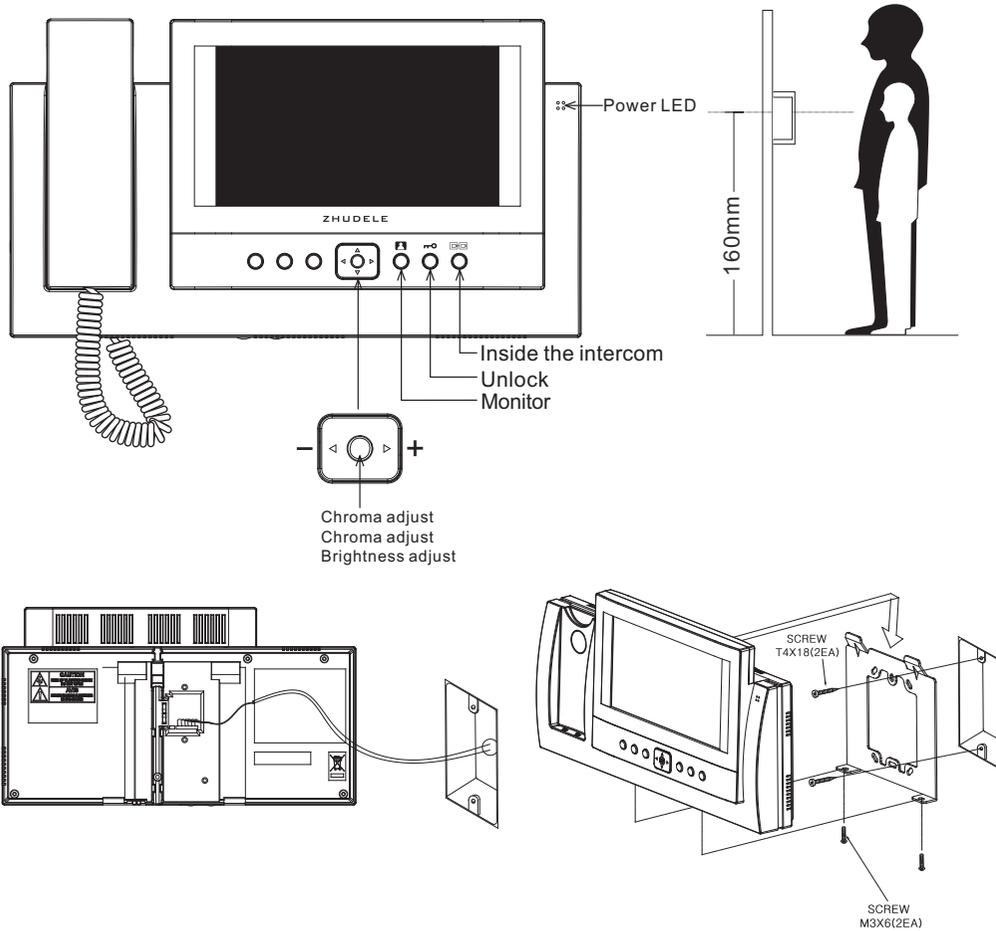
### There are 12 chord ring tones, the way how to select as follows:

Indoor unit standby, pressing a long time " " key loosely after 5 seconds, it will play the current set ring tone, then pressing the " " key each times, it will play the next one ring tone, if confirmed that one you like, just pressing " " key for confirmed or you can let the ring tone goes until 10 seconds later, system will default to set this ring tone.

### Notes:

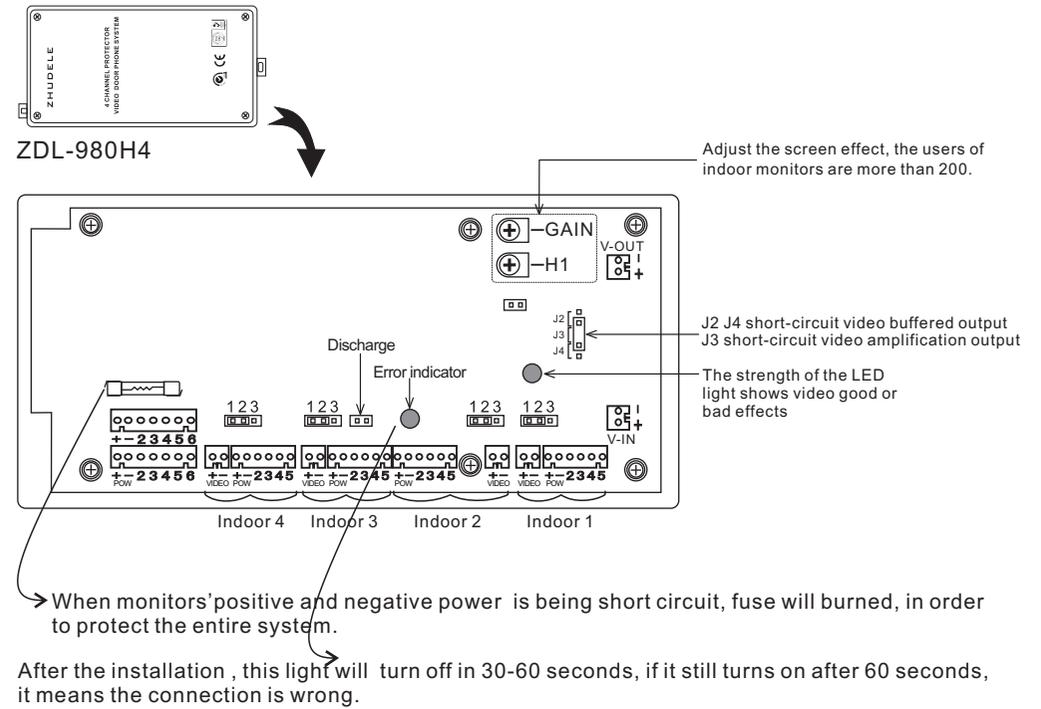
Pressing button each time, indicates that the key to be valid. Each keystroke time interval should be less than 10 seconds, otherwise it will return a static. Factory extension number defaults: "1111 "

# Functions and settings of indoor monitor



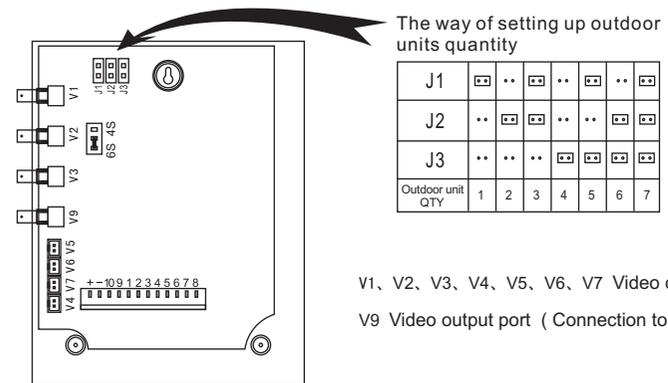
- Notes for installing.
- Please keep the product away from magnetism, severe moisture, direct sun rays and nearby heater, which may influence on the product.
- Suitable height for main unit is 1600mm from the bottom to the screen.
- Please arrange the handset after installation is completed.
- Please refer to (Camera setup) regarding the installation of camera units.

# 4 Channel protector setting



# Camera station selector setting

2-7pcs outdoor units  
ZDL-980H2



# Package configuration

Picture	Model	QTY
	ZDL-820VCR	1
	ZDL-TFT2700W	20 (1-9999)
	ZDL-980H4	5 (1-250)
	ZDL-PS18	2 (+20 Monitors) (+1 PS18)
	ZDL-1079	1
	ID card	100

Picture	Model	QTY
	ZDL-4VCR	1
	ZDL-TFT2700W	4
	ZDL-980H4	1
	ZDL-PS18	1
	ZDL-1079	1
	ID card	100

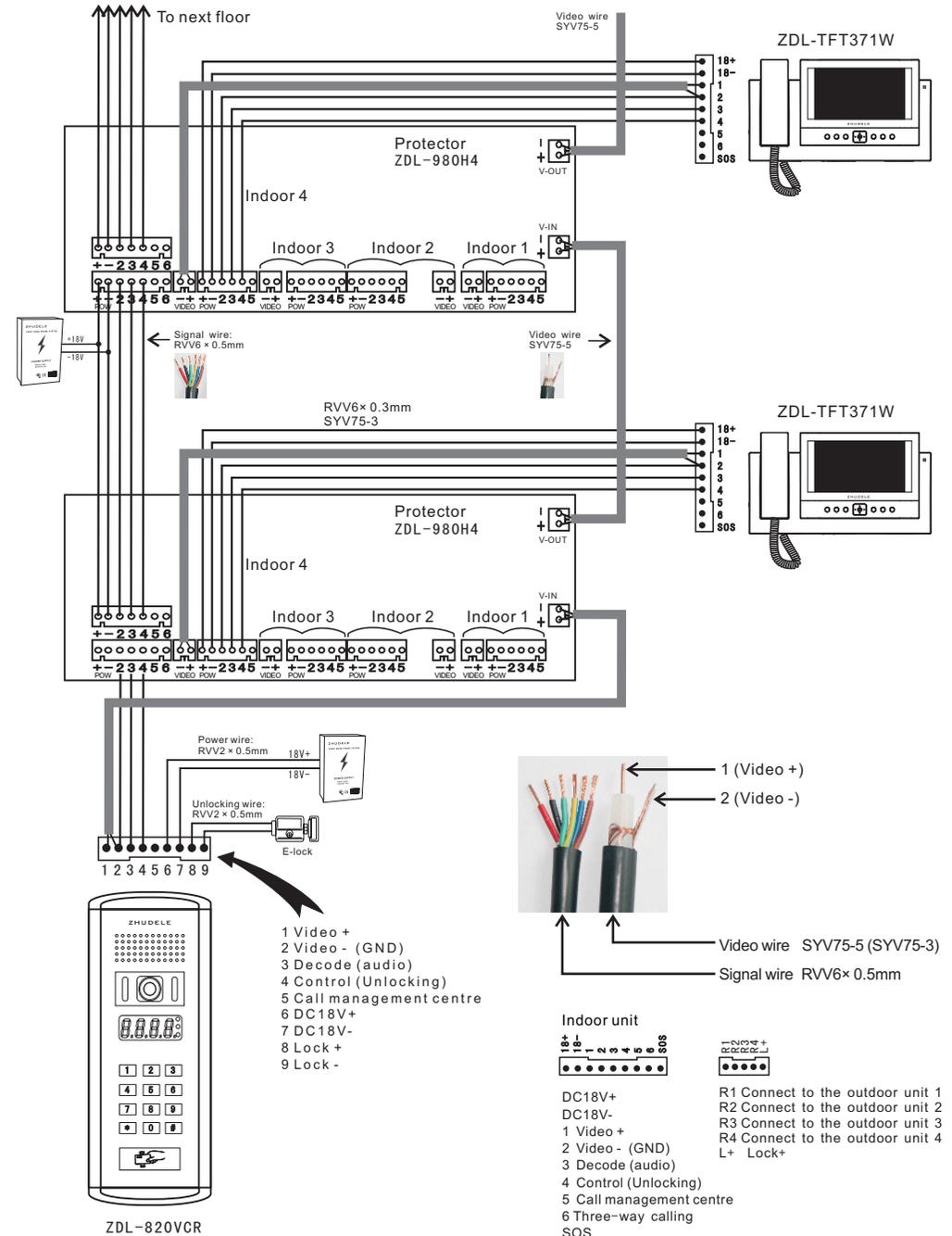
Picture	Model	QTY
	ZDL-6VCR	1
	ZDL-TFT2700W	6
	ZDL-980H4	2
	ZDL-PS18	1
	ZDL-1079	1
	ID card	100

Picture	Model	QTY
	ZDL-8VCR	1
	ZDL-TFT2700W	8
	ZDL-980H4	2
	ZDL-PS18	2
	ZDL-1079	1
	ID card	100

Picture	Model	QTY
	ZDL-10VCR	1
	ZDL-TFT2700W	10
	ZDL-980H4	3
	ZDL-PS18	2
	ZDL-1079	1
	ID card	100

Picture	Model	QTY
	ZDL-12VCR	1
	ZDL-TFT2700W	12
	ZDL-980H4	3
	ZDL-PS18	2
	ZDL-1079	1
	ID card	100

# Visual building intercom layout drawing





## ID card setting

### Add the management card:

Power-off, The S2 plug into1, 2-Terminal, Power-on, Red & Green LED lights flash alternately, Swipe Continuously two cards, The green light flash to add successfully; Power-off, The S2 plug into2,3-Terminal, And then power-on. (Swipe the first card is adding a"Add card", Swipe the second card is adding a"Delete card").

### Add the user card:

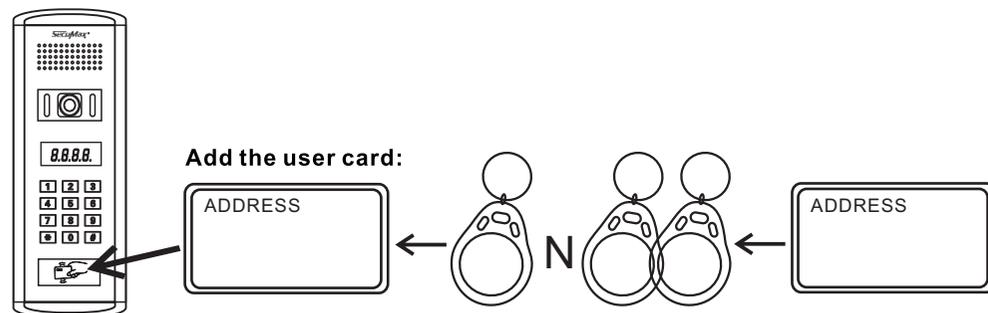
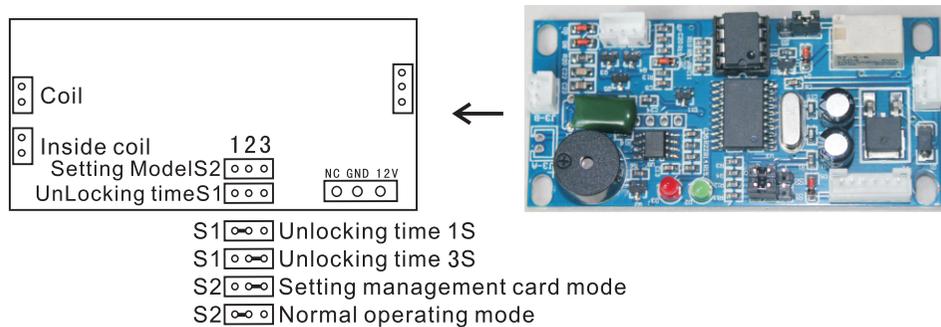
Swipe the added management card in working state, The green light flashes, Swipe added user card (1 pcs or more)  
Swipe the added management card successfully to exit at last.

### Delete user card:

Swipe the deleted management card in working state, The red light flashes, Swipe needed deleted user card. Swipe the deleted management card successfully to exit.

### Delete all cards:

Swipe the delete management card in working state, The red light flashes, And then Swipe added Management card, Swipe the deleted management card confirm deleting.  
The green light I restore after waiting for 5S, Delete successfully.



## Warning

- Indoor unit can not be fixed beside the TV set, neither available for the place where is either high-temperature or high-humidity.
- Do not touch the kinescope with wet hand. Do not open the monitor or video camera.
- You can wipe the surface of the video camera and kinescope with soft cloth for clear image, but the washing liquid, thinner, volatile and corrosive liquid are forbidden.
- Avoid sharp dropping or knocking.
- The image can be illegible for the direct sunshine on the video camera.
- The image can be illegible for interruption when you motivate the alarm siren or internal communicating system.
- The image can be illegible for radio interruption when motorcycles or cars pass by. The above temporary malfunctions are normal possibility, not mean the real malfunctions of the products which need to fix.



## General fault identify & remove

Failure phenomenon	Exclusion method
No sounds during intercommunication.	Confirmed it is one user or the whole system Check the 3 line connection.
Lose unlocking functions.	Check the 4 line, whether it offer 10V power when pressing the unlock button. Whether L+ L- offer 12V power out to the e-lock. Whether the electric lock coil is damaged.
Image bobbing up and down.	Video are not synchronized, adjust the potentiometer.
Image appears bars.	Image signal is weak lead out of sync. Check whether the video cable is in good connection, whether the transmission distance is too far, whether the wire is in the standard Adjust the monitor's potentiometer or video zoom, gain potentiometer.
The outdoor unit cannot contact to the indoor monitor.	Pressing the monitoring button ,check whether appear images. If appear Image and communicate good, check whether room number is set correctly. If cannot appear Image and without communicate, check the connection line of 3. Out door unit or indoor monitor damage
If appear Image but without communicate.	Confirmed it is one user or the whole system Check the 3 line connection. One user: check the monitor and its connection line of 3.
Image blurred, dim.	Signal is too weak, the impedance does not match or contrast is not good. Adjust the video amplifier and the gain potentiometer. If the contrast or brightness is not good , adjust the potentiometer to improve the image effect.
The image is sometimes clear, sometimes fuzzy.	Is it the video connector firm If monitor's brightness, contrast potentiometer loose, replace it .
Image ghosting.	Check the video cable is connected right (video line must be connected in series). Check whether there are sources of interference.
Images do not appear on the monitor.	Whether it can intercom. Check the video line or replace the camera. Check whether the outdoor unit has power in, check on the 4th line or the outdoor unit.
When intercommunication , it buzzers.	Whether power supply is good. Check whether there are sources of interference.
System is busy, the red indicator lights.	Check the source of the 4th line on the ground voltage (6.5V or 10V ). Whether the outdoor unit or indoor monitor is normal.