

# Operation and Installation Guide

## USER MANUAL

### FOR A4 VILLA SYSTEM

A4-R0401TM	A4-R0402TM	A4-R0701TM
A4-R0702TJ	A4-R0703TJ	A4-R0704TJ
A4-D0101TM	A4-D0102TM	A4-D0103TM
A4-D0104TM	A4-D0107TM	A4-D0108TM
A4-D0109TM		

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## SAFETY INSTRUCTION

Install the equipment in such way that the mains supply plug or the connector of the equipment can be easily reached.

Do not place the equipment where water can drip or splash onto it.

Do not place sources of heat, such as ovens, furnaces, or burning candles, etc., and sources of magnetic fields, such as TVs, microwaves, etc..

Do not block the ventilation slots of the equipment. When installing the equipment, leave some free space around it to provide adequate ventilation.

Do not clean the equipment with spray cleaners or solvents. Unplug the power supply before clean.

## CAUTION

Do not disassemble the equipment freely. Mishandling, alternations or modifications not approved by the professional technician will void the warranty.

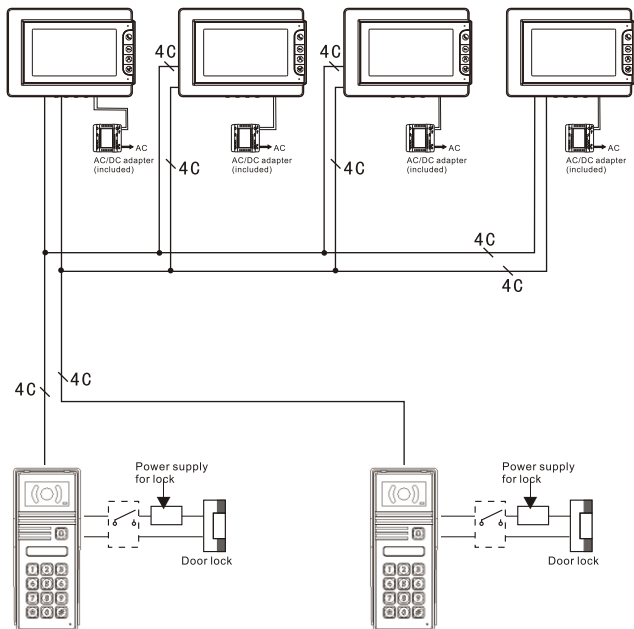
## GENERAL FEATURES

The A4 Villa Video Door Phone System offers you complete control over the access of visitors to your house and, in addition, it allows you to identify the person who calls and provides convenient operation to active the communicate. The system is fully compatible as CCTV cameras, indoor monitors (max. 4) /entrance panels (max. 2) can be connected into.

## SYSTEM CONFIGURATION DIAGRAM

### VILLA SYSTEM DIAGRAM

■ 2 Outdoor stations & 4 Indoor monitors



#### NOTE:

An extra power adaptor is included in the package for the use of outdoor station power supply.

## INDOOR MONITOR

### VIDEO DOORPHONE

■ Model: A4-RO401TM A4-RO402TM A4-RO701TM  
A4-RO702TJ A4-RO703TJ A4-RO704TJ

NO	Icon	Description	NO	Icon	Description
①		Power Indicated Light	⑧		Chroma/Contrast
②		Talk	⑨		Talk Volume
③		Unlock	⑩		Ringtone
④		Monitor	⑪		Speaker
⑤		Call-Forward	⑫		Mounting Connection
⑥		Microphone	⑬		Wiring Terminals
⑦		Brightness	⑭		

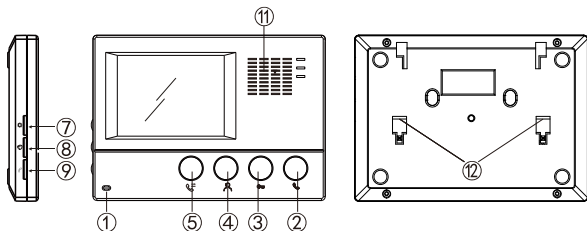
■ Model: A4-R0401TM A4-R0402TM

Specification	
Voltage	DC 14.3V
Temperature	-10 ~ +60°C
Stand by	40mA
Working current	200mA
Image display	4.3"TFT
Talking mode	Dual Transmission
Talking time	120 S

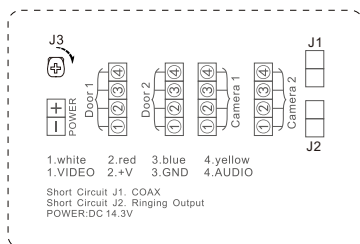
■ Model: A4-R0701TM A4-R0702TJ A4-R0703TJ A4-R0704TJ

Specification	
Voltage	DC 14.3V
Temperature	-10 ~ +60°C
Stand by	40mA
Working current	350mA
Image display	7" TFT
Talking mode	Dual Transmission
Talking time	120 S

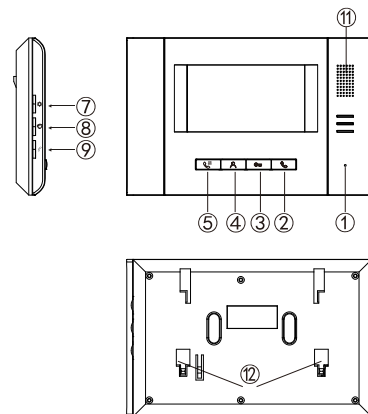
## ■ Hand-free monitor:A4-R0401TM



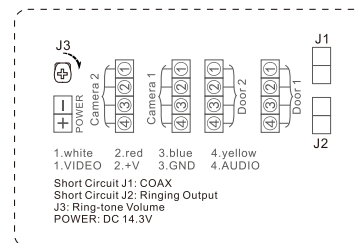
Dimension: 180X128X24(mm)



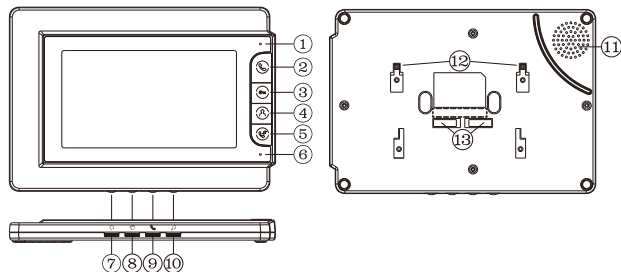
## ■ Hand-free monitor:A4-R0402TM



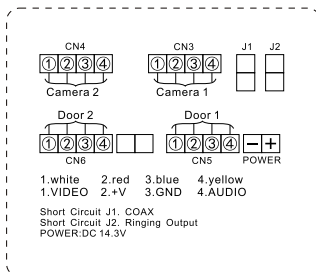
Dimension: 200X125X23(mm)



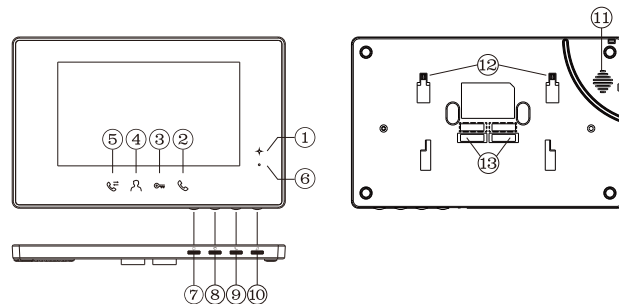
## ■ Hand-free monitor: A4-R0701TM



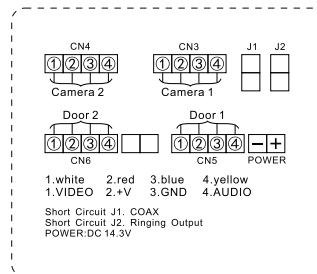
Dimension: 232X161X20 (mm)



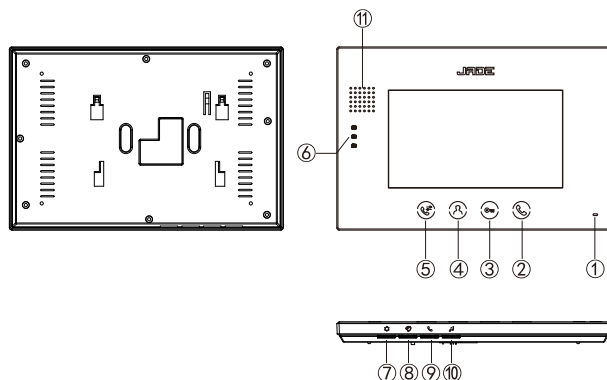
## ■ Hand-free monitor: A4-R0702TJ



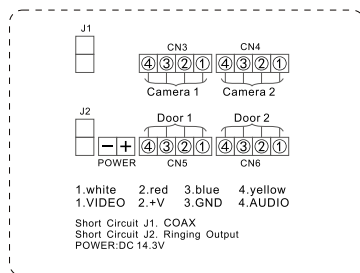
Dimension: 233X146X14 (mm)



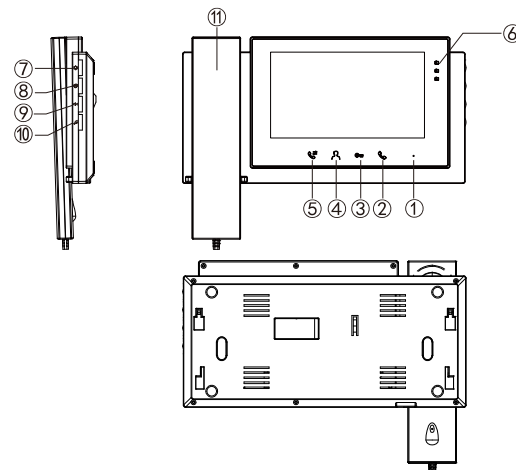
## ■ Hand-free monitor:A4-R0703TJ



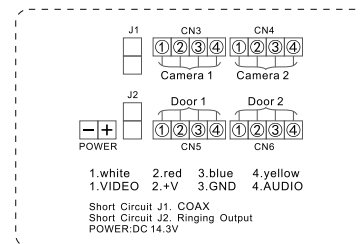
Dimension: 241X161X18(mm)



## ■ Hand-free monitor:A4-R0704TJ



Dimension: 280X145X24(mm)



## OUTDOOR STATION

### VIDEO DOORPHONE

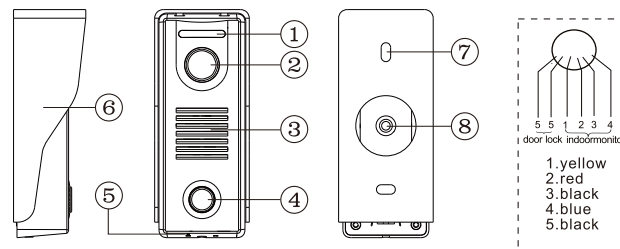
- A4-D0101TM    A4-D0102TM    A4-D0103TM    A4-D0104TM  
 A4-D0107TM    A4-D0108TM    A4-D0109TM

NO.	NAME	DESCRIPTION
①	LED Assistant	Provide lighting during night time for better visibility
②	CCD Camera	Capture the image to sent to the monitor
③	Speaker	Sound from the monitor is delivered
④	Calling Button	Call the indoor phone to communicate
⑤	Microphone	Delivers and sound voice when communcation with the indoor phone
⑥	Water Cover	Protect the camera from outside water
⑦	Screw Hole	Install the screws
⑧	Connection Wiring	Connection with the monitor
⑨	Nameplate	Show residential name

### Specification

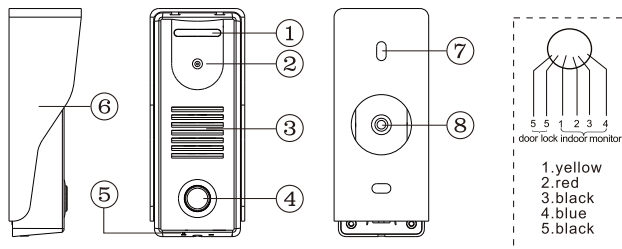
Power	DC 14.3V
Electric current	Working $\leq$ 200mA
Camera lens	1/3 CMOS 120 degree
Definition	450 TVL
Illumination	0.05LUX
Talking duration	120s
Working Temperature	-20 ~ +55℃
IP rating	55

#### ■ A4-D0101



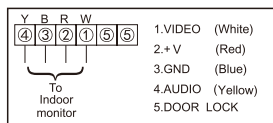
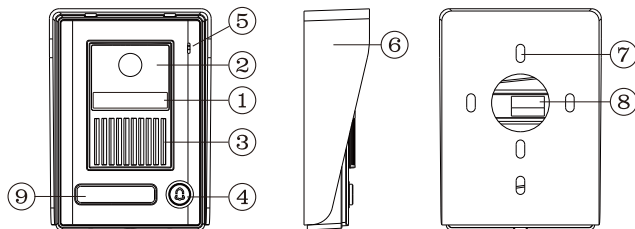
Dimension: 55X132.5X42(mm)

## ■ A4-D0102



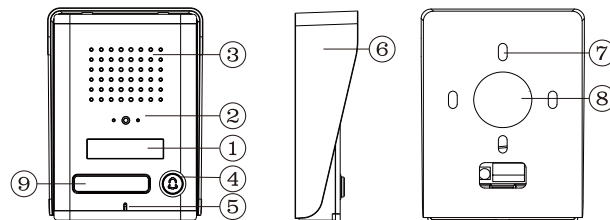
Dimension: 55X132.5X42(mm)

## ■ A4-D0103

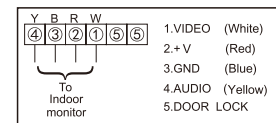


Dimension: 98X134X40(mm)

## ■ A4-D0104



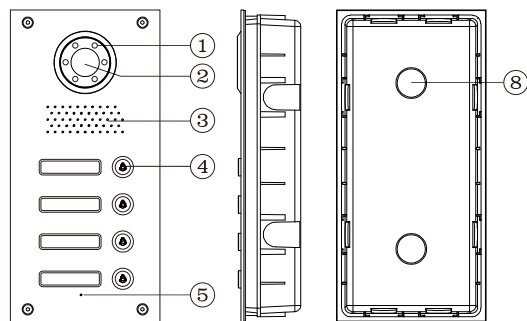
Dimension: 98X134X40(mm)



Installation tip: we suggest the installation height of 1500mm from ground.

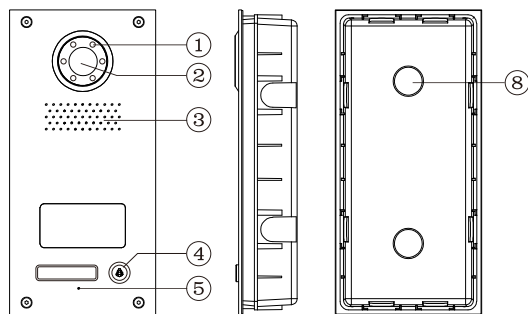


# ■ A4-D0107

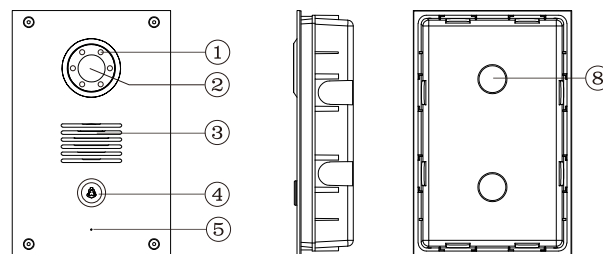


Dimension:250X120X50(mm)

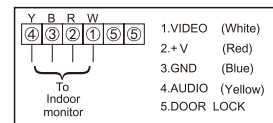
# ■ A4-D0108



# ■ A4-D0109



Dimension:209X135X50(mm)

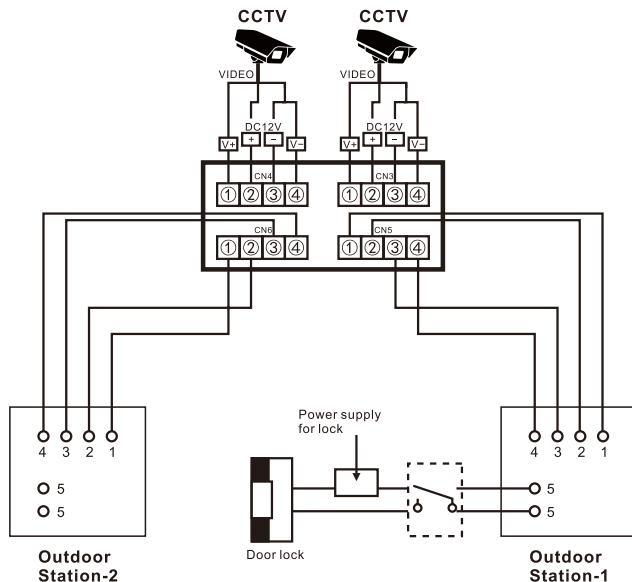


Installation tip: we suggest the installation heigh of 1500mm from ground.

## WIRING CONNECTIONS

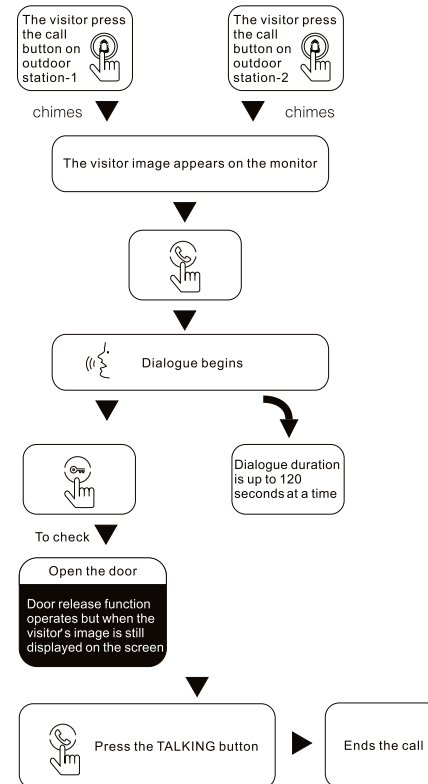
■ **Color** : 1.white 2.red 3.blue 4.yellow

■ **Function** : 1.VIDEO+ 2.+V 3.GND 4.VIDEO-



**Notice:** Socket CN5 is just retained for outdoor station in alone villa system (like as one outdoor unit is matched with one indoor unit), please recheck carefully the polarity of CN5 and have the 4-wire connected as per the enclosed label.

## OPERATION OF THE SYSTEM



## NO CALL. Indoor Monitor On Stand-by

If the monitor does not receive a call, the functions of UNLOCK and TALK with the outdoor station are disabled. It is possible to monitor the street by pushing MONITOR (M) button.

## RECEIVING A CALL. Indoor Monitor Activated

1. An audio signal from the indoor monitor will be heard when a call is received from outdoor station. Following the screen will switch on and show the image of the person who has called.

\* If no other buttons are pressed the monitor will shut off after 60 seconds.  
2. When the TALK (T) button is pressed, communication is established with the person who is calling.

\* The conversation time is limited to 120 seconds. The conversation will end when the communication button is pressed once, or when the conversation time runs out. The system will then revert to being on standby.

3. Push the corresponding button to open the door (D), and allow the person access to the house.

## SEVERAL MONITORS IN YOUR HOUSE

1. The call rings on all the monitors. The first person to answer establishes communication with the visitor.

2. Intercom Call

If there are several monitors in the dwelling, it is possible to make an internal intercom call.

To do this, while the system is on standby press the Call-forward button (F) of one of the monitors: all the other monitors will emit DINGDONG sounds.

The call is answered by pressing the TALK on one of the other monitors.

There is 60 seconds to answer the inner calling.

3. Call-forward Function

Press Call-forward (F) button to forward the call to other indoor monitors.

When you press this button during the intercom, the other indoor monitors (if have) will ring and pop up the image of outside visitor.

## ADJUSTMENT OPTIONS

1. Adjusting The Volume

Turn the VOLUME CONTROL knob (V) to regulate the volume which will be heard by the person at the indoor monitor.

2. Adjusting The Chroma/Contrast AND Brightness Of The Image

The characteristics of brightness and contrast of the image can be adjusted from the monitor.

To do so, simply adjust the controls (B) and (C) of the monitor.

## MONITOR EXTRA CCTV CAMERA

If connect two CCTV cameras, press the Monitor Button (M) once to see the outdoor station; press again, the #1 CCTV camera; the third pressing, #2 CCTV camera. The same operation on the other monitors.

## OPERATION OF A4-D0108

Default Setting: ● The mini jumper is on the Pin1 and Pin2 of J6.

- There is three ID cards in the package, one is **Add Card**, one is **Delete Card**, and another is **User Card**.

**NOTE:** If the mini jumper's position is going to be changed during the setting, please remember to disconnect the power supply of the outdoor station first (for about 10 seconds), and after re-connecting the power you can go to the setting mode.

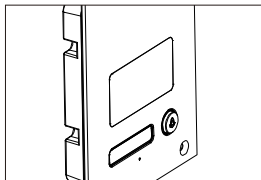
If no need to alter the mini jumper's position, then do not need to cut the power.

### 1. Add User Card

Make sure that the mini jumper is on the Pin1 and Pin2 of J6.

First swipe the Add Card on the card-reading area, and "BI~BI~~~" sound release; Then swipe an ID card, 2 beeps release; Now, this ID card is successfully set as an User Card.

Swipe the Delete Card again to exit the setting, 3 beeps come out.



## 2.Delete User Card

Make sure that the mini jumper is on the Pin1 and Pin2 of J6.

First swipe the Delete Card on the card-reading area, and “BI~BI~~~” sound release; Then swipe the user card which you want to delete, and 2 beeps release; Now, this User Card is successfully deleted.

Swipe the Delete Card again to exit the setting, 3 beeps come out.

## 3.Add Batching User Cards

Make sure that the mini jumper is on the Pin1 and Pin2 of J6.

First swipe the Add Card on the card-reading area, and “BI~BI~~~” sound release; Then swipe the ID cards which you want to set as User Cards one after another. Each time you swipe the card, 2 beeps release; Then, these ID cards are successfully set as User Cards.

And end the setting by swipe the Add Card again, 3 beeps come out.

## 4.Delete Batching User Cards

Make sure that the mini jumper is on the Pin1 and Pin2 of J6.

### ①Delete a few cards

Swipe the Delete Card on the card-reading area, and “BI~BI~~~” sound release, then swipe the User Cards which you want to delete one after another. Each time you swipe the card, 2 beeps release, then these User Cards are successfully deleted.

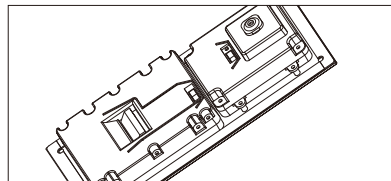
And end the setting by swipe the Delete Card again, 3 beeps come out.

### ② Delete all the user cards

Swipe the Delete Card on the card-reading area, and “BI~BI~~~” sound release, then swipe the Add Card, beeps will last for about 10 seconds, then all the user cards will be delete and exit the setting automatically.

## 5.Setting the Unlock Timer

First, please open the rear cover of the outdoor station, as following picture shows.



And as previous mentioned, please disconnect the power supply, and reconnect the power after around 10 seconds.

When you put the mini jumper on the Pin1 and Pin2 of J5, the unlock delay time is 1 second;

When put the mini jumper on the Pin2 and Pin3 of J5, the unlock delay time is 10 seconds.

## 6.Set the Master Cards

There are two Master Cards, one is **Add Card**, the other one is **Delete Card**.

Usually, they are packed in the accessory bag. But if you lost or break them, you can following the below instructions to set them yourself.

First, please open the rear cover of the outdoor station, as the previous point shows.

And the same as previous mentioned, please disconnect the power supply, and reconnect the power after around 10 seconds.

Please prepare two ID cards;

Then put the mini jumper on the Pin2 and Pin3 of J6;

Swipe one card on the card-reading area, then comes with two beeps “BI~ BI~~~”, indicating successful **Add Card** setting;

And then swipe the other card, and the same “BI~ BI~~~” sound release, indicating **Delete Card** set successfully.

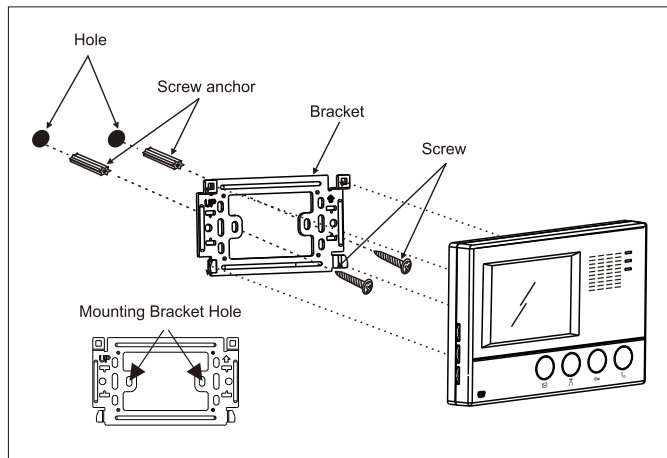
Kindly remind, please mark the two cards with tags so that you can still tell which is Add Card, which is Delete Card next time.

# INSTALLATION PROCESS

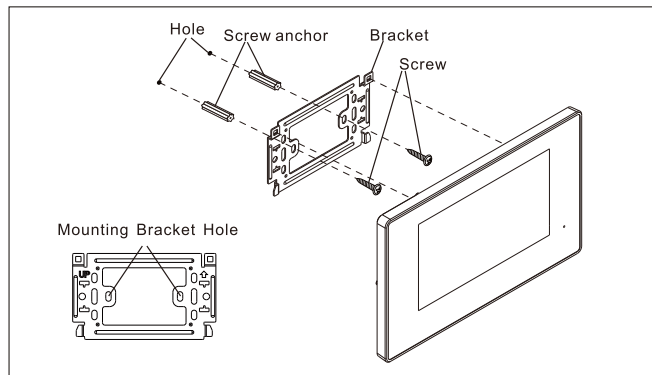
## INSTRUCTION:

- (1)、Cable Requirement: ① non-stp core cable  
② wire  $\geq 0.5\text{mm}$  from outdoor station to the farthest monitor  $\leq 70\text{m}$
- (2)、The system can support at most 4 indoor monitors and 2 out-door stations.
- (3)、Each video door phone should be with a power supply of 14.3 V, 1A.
- (4)、CCTV current requirement: working  $\leq 500\text{mA}$

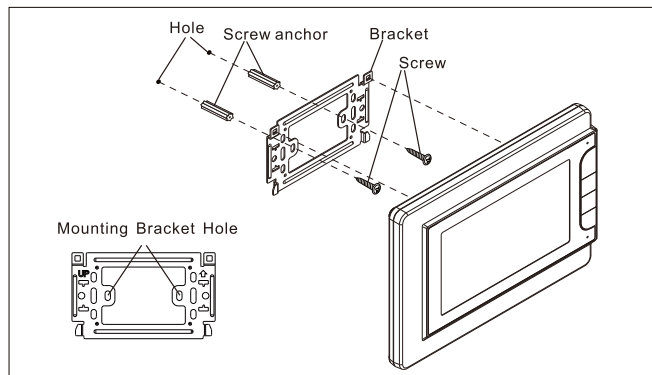
## ■ A4-R0401TM INSTALLATION DIAGRAM SKETCH



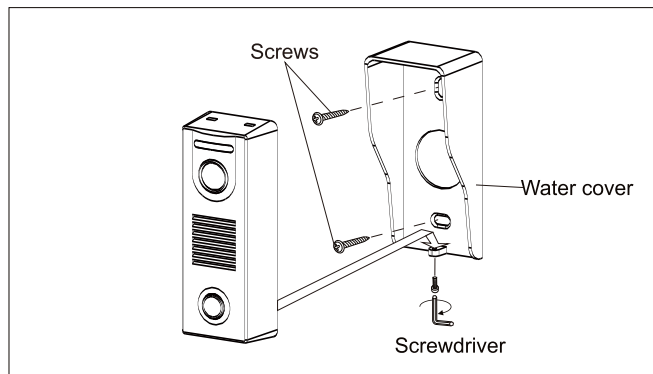
## ■ A4-R0702TJ INSTALLATION DIAGRAM SKETCH



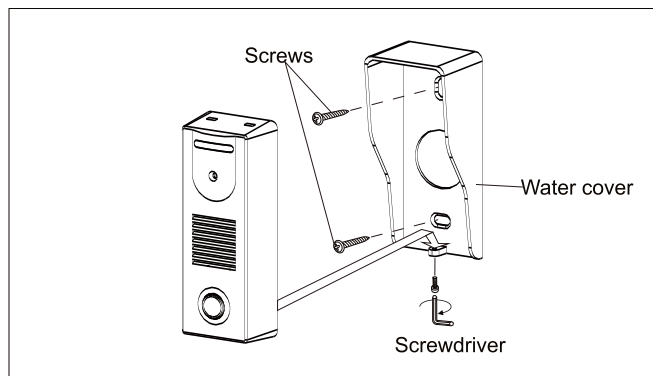
## ■ A4-R0701TM INSTALLATION DIAGRAM SKETCH



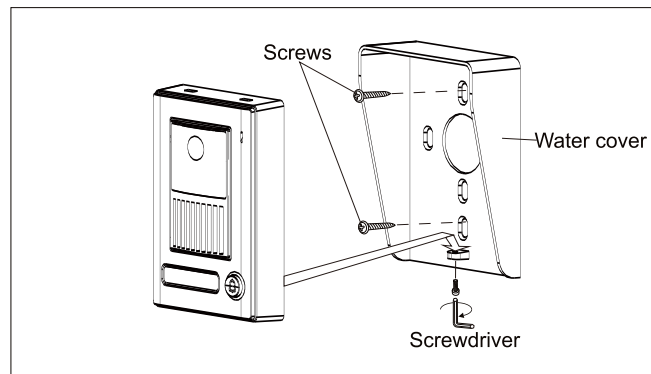
■ A4-D0101 INSTALLATION DIAGRAM SKETCH



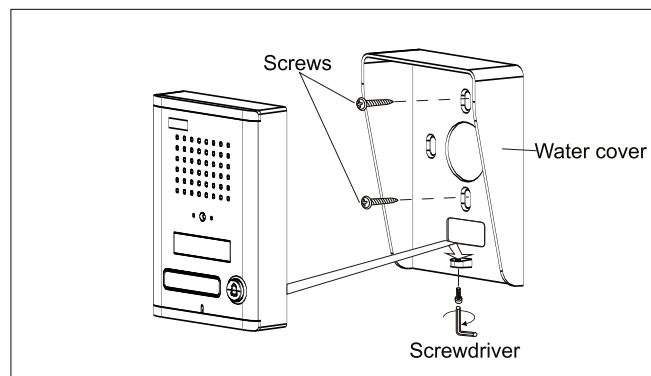
A4-D0102 INSTALLATION DIAGRAM SKETCH



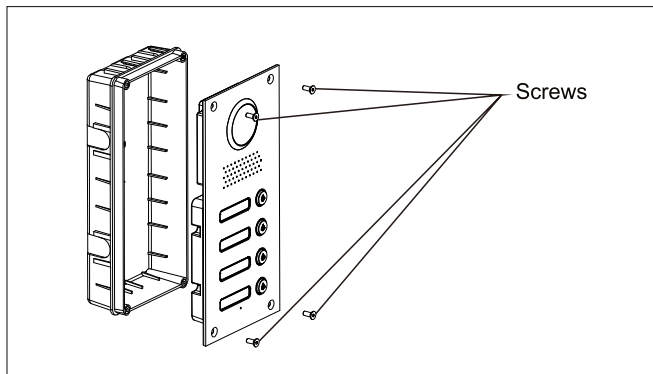
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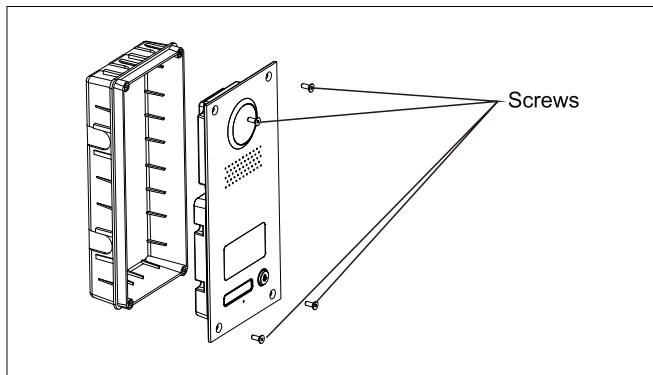
■ A4-D0104 INSTALLATION DIAGRAM SKETCH



■ A4-D0107 INSTALLATION DIAGRAM SKETCH



■ A4-D0108 INSTALLATION DIAGRAM SKETCH



■ A4-D0109 INSTALLATION DIAGRAM SKETCH

