Specification

Display screen	7"
Definition	1024x600x3RGB
Standard	PAL/NTSC
Calling mode	Two-way conversation
Calling time	>120S
Standby current	Max300mA
Work current	Max800mA
Power supply	External switching power Supply(DC12V-15V)--Option
	Built-in power Supply--Optional
Work temperature	0~+50℃
Installation way	Surface mounting
SD Max capacity	128GB(FAT) ≥Class10
Video formatl	AHD/CVI/TVI/CVBS
Resolution	1080P/960P/720P/480P

Install the indoor unit
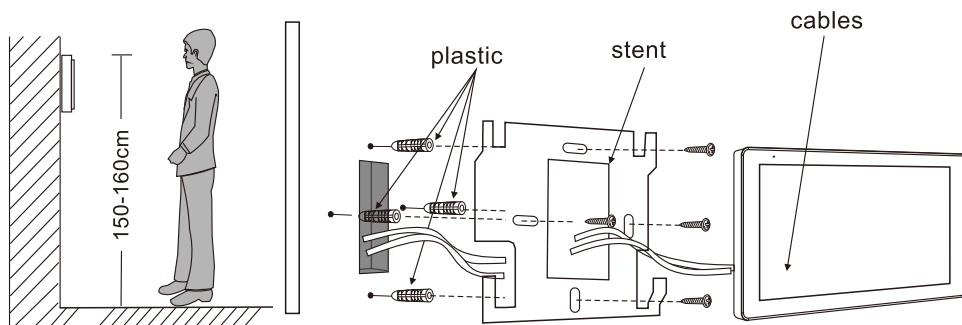
Note：

1:Please be far from the devices with intense radiation: TV, DVR, etc.

2:Do not disassemble privately to avoid the electric shock.

3:Do not drop, shake or knock the device, otherwise will damage the elements.

4:Choose the best position to install, the horizontal view is 150cm.

5:Please power down before installation.

6:Keep at a distance of more than 30cm with AC power to avoid interference.

7:Away from the water, magnetic field and chemicals.

Statement
* If there is any doubt or disputable regarding information in this manual, you can call our company for clarification.
* There maybe some difference between the description provided here and the actual devices, as our products are constantly developing and upgrading. We apologize if this manual does not contain all of the latest updates. Thanks
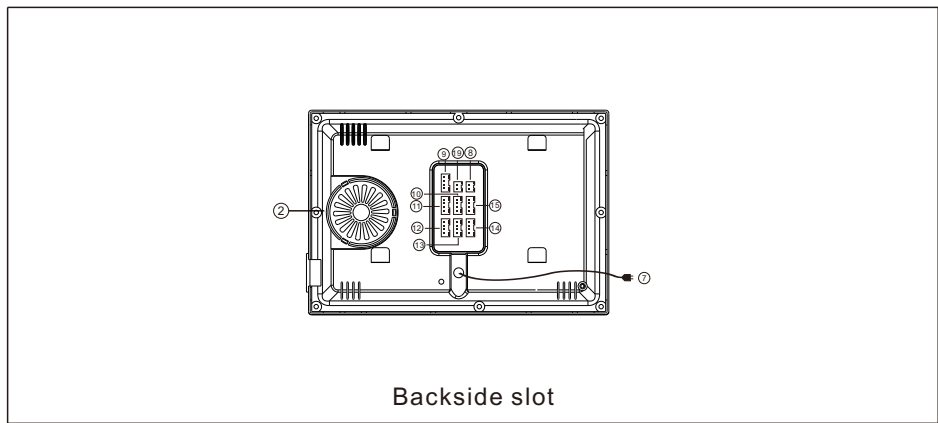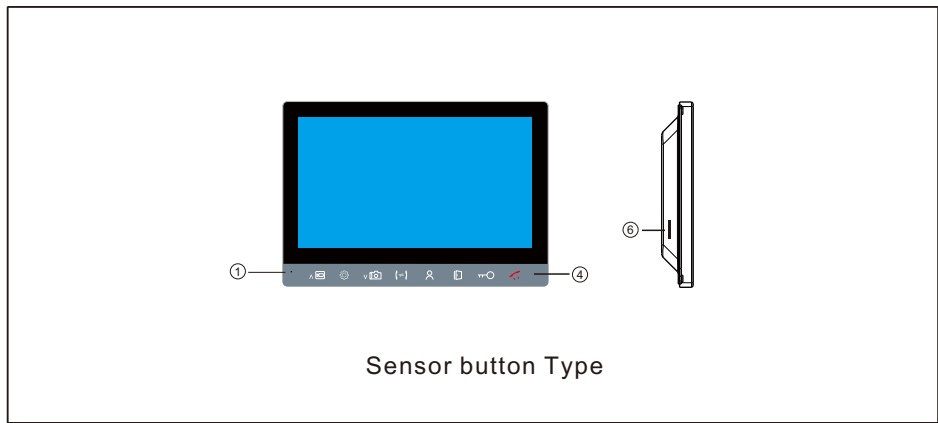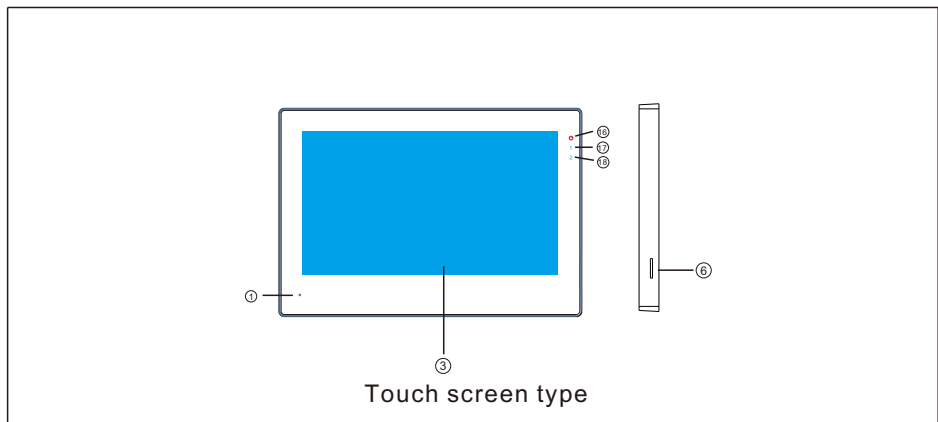
ISMART

4-wire digital-analog hybrid system

AHD/TVI/CVI 2MP Resolution

Tuya Smart Home APP

DESCRIPTION ON INDOOR UNIT

Touch screen type

Sensor button Type

Backside slot

Function Description

①	Microphone
②	Speaker
③	TFT-lcd
④	Function button
⑤	Operation button
⑥	SD card
⑦	AC-IN（90V－240V）
⑧	DC-IN:12V-15V
⑨	Rj45
⑩	CAM1
⑪	DOOR1
⑫	DOOR2
⑬	CAM2
⑭	OUT, connect the next indoor unit
⑮	Input (Connect the Slave monitor)
⑯	Status Indicator
⑰	DOOR1 status indicator
⑱	DOOR2 status indicator
⑲	Independent Unlock

Panel icon function description

Name	Descriptions
⏻	Status Indicator;Message prompt
1	Door1-LED
2	Door2-LED
⇄ ⇌ ⇌	Transfer calling, internal calling
👤 👥	Monitoring
⚿ 🔓	Unlock
▨◁ [▯]	Independent unlock
📞 👁 📞 ✋	Calling, Hang up
⋀ ∧ ∧▣	1: Increase or Up 2: Video Record
⚙ ⚙ ⚙	Menu settings
⋁ ∨ ∨📷	1: Reduce or down 2: Capture Picture

Touch screen icon function definition

⚙	System settings
📷	Device parameter setting
🎵	Ringtone settings
📄	Record file playback
🎞	Multimedia playback
📞	Transfer calling
▶	Independent unlock
🏠	At home mode
🏠	Not at home mode
🕐	Sleep mode
🚪	Outdoor units
📹	Surveillance camera

WIRING DIAGRAM

1Tuya Monitor+1 Outdoor unit

4C

4C
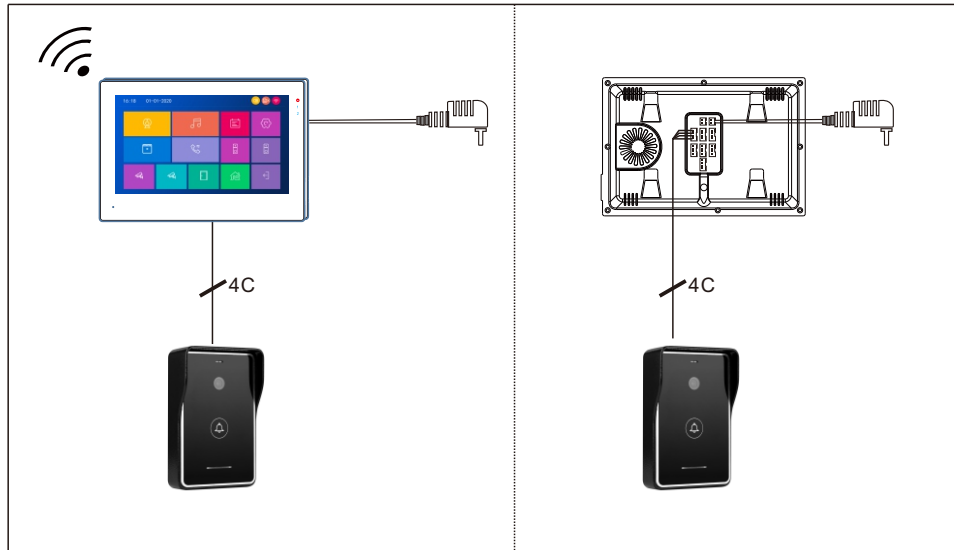
1 Tuya Monitor+2 Outdoor units

4C   4C

4C   4C
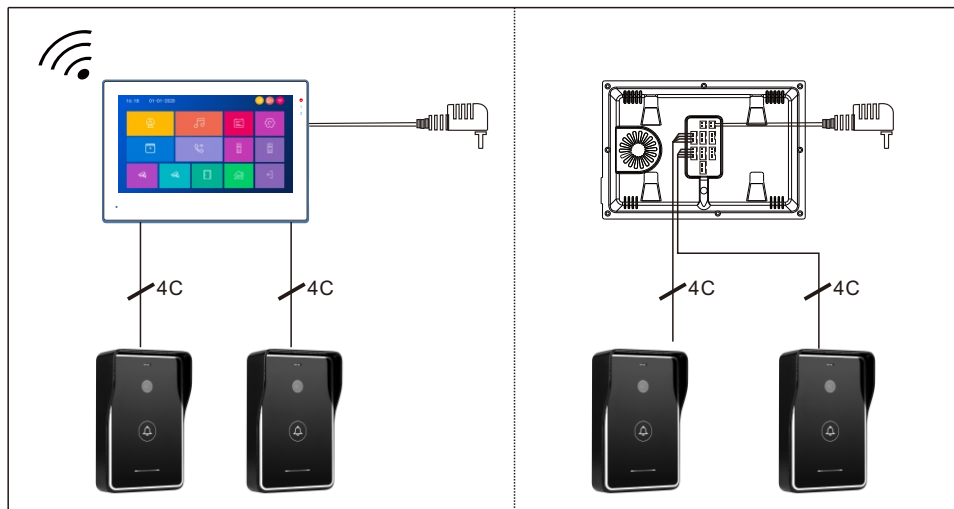
1 Tuya Monitor+1 Outdoor unit+1 CCTV camera

4C

2C

4C   2C
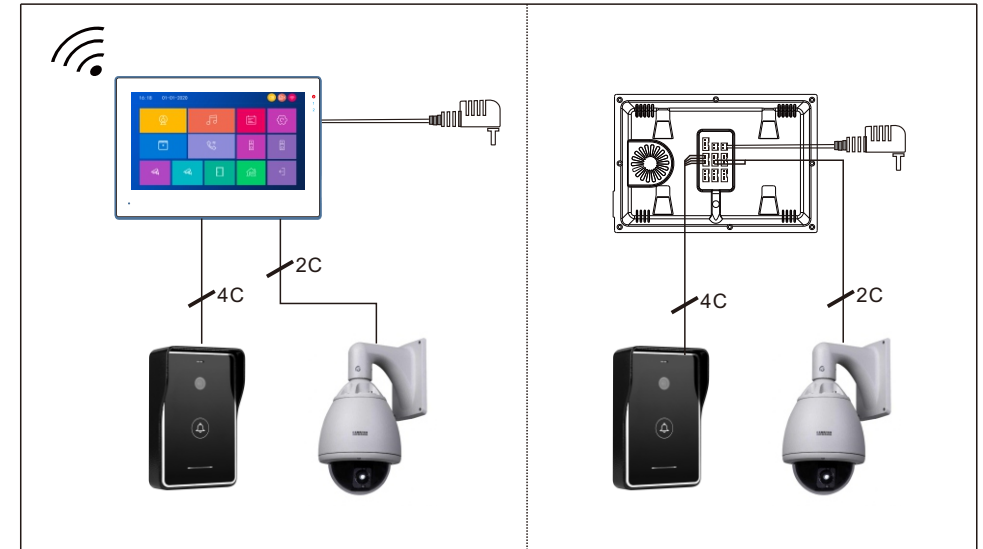
1Tuya Monitor+1 Slave analog monitor +2 Outdoor units

4C

4C   4C

4C   4C
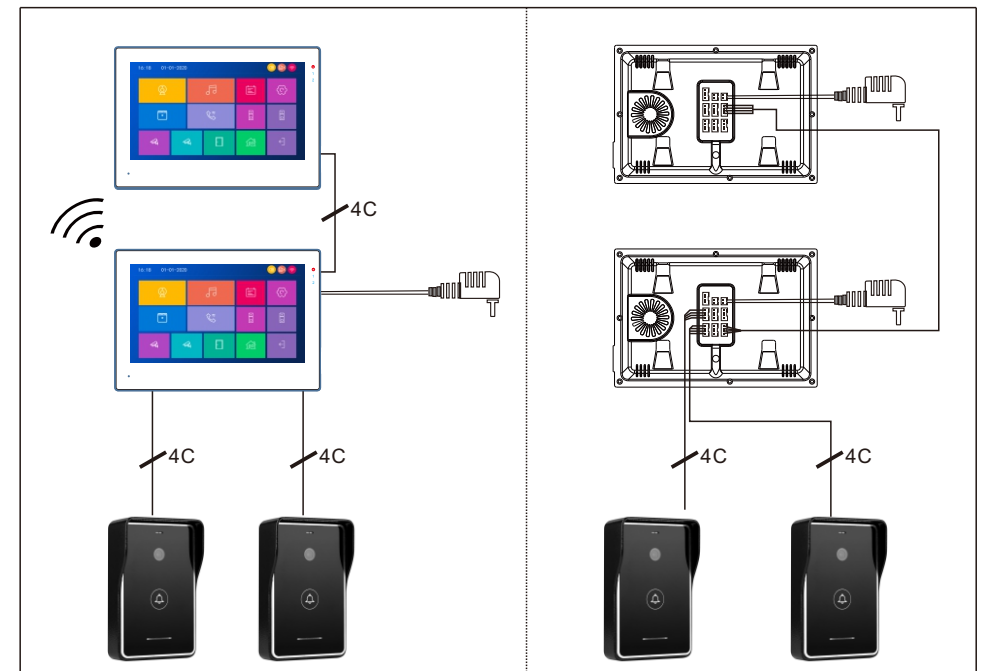
1 Tuya Monitor+5 slave Tuya monitors+2 Outdoor units

+ 2 CCTV Cameras+ Router

4C

4C

4C

4C

4C

4C

4C   4C   2C   2C

External switching power supply
(AC100v-240V)--optional

ALM1

CAM1

DC12V
ALM
GND
Video

Rj45   UNLOCK   Power

DOOR1   CAM 1   slave-IN

①

ALM2

CAM2

DC12V
ALM
GND
Video

DOOR2   CAM 2   To-slave

AUDIO
GND
DATA
VIDEO

DC12V
Audio
GND
Video

DC12V
Audio
GND
Video

AC100v-240V

②

DOOR1   DOOR2

Rj45   UNLOCK   DC-IN

DOOR1   CAM 1   slave-IN

DOOR2   CAM 2   To-slave

next Slave ←
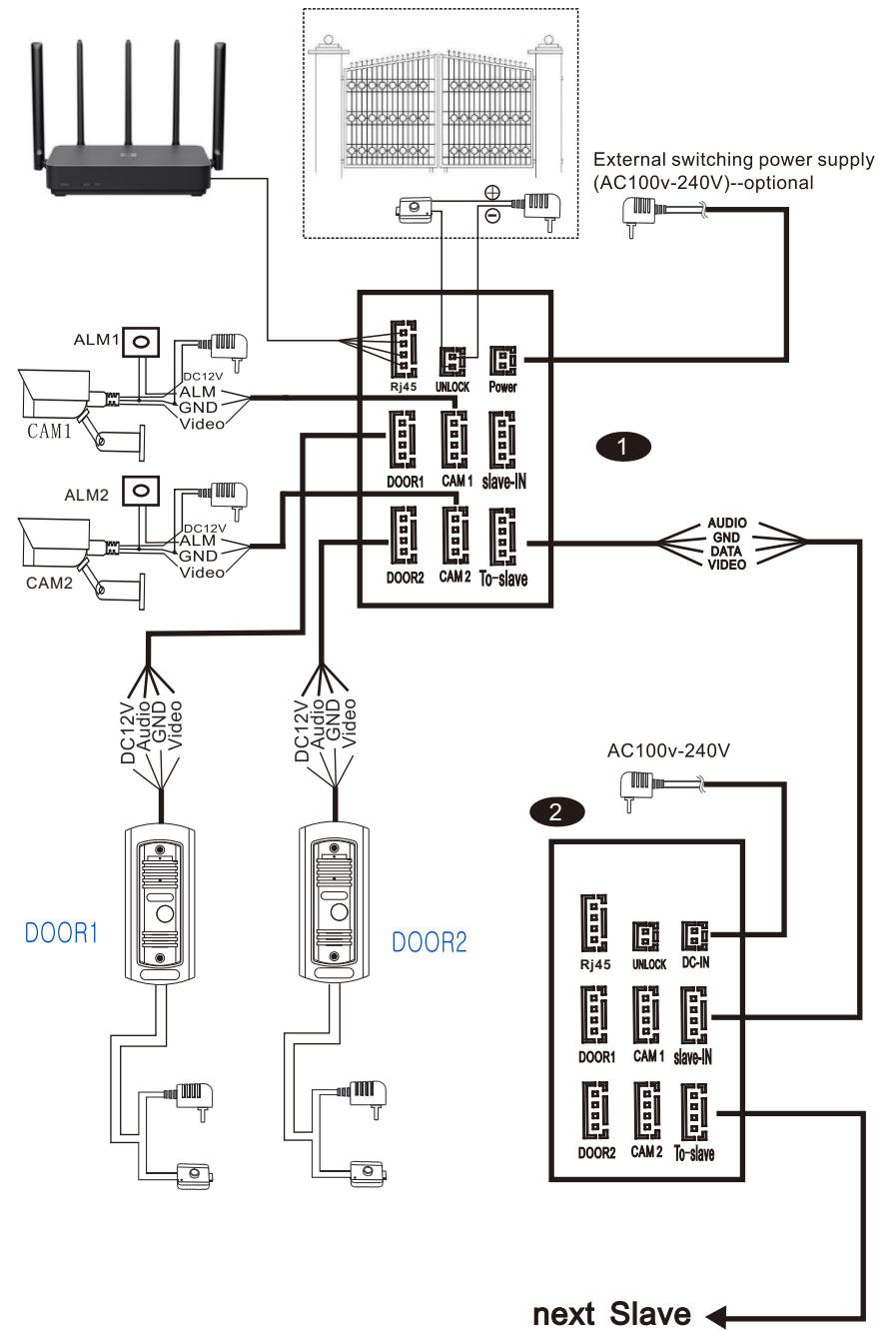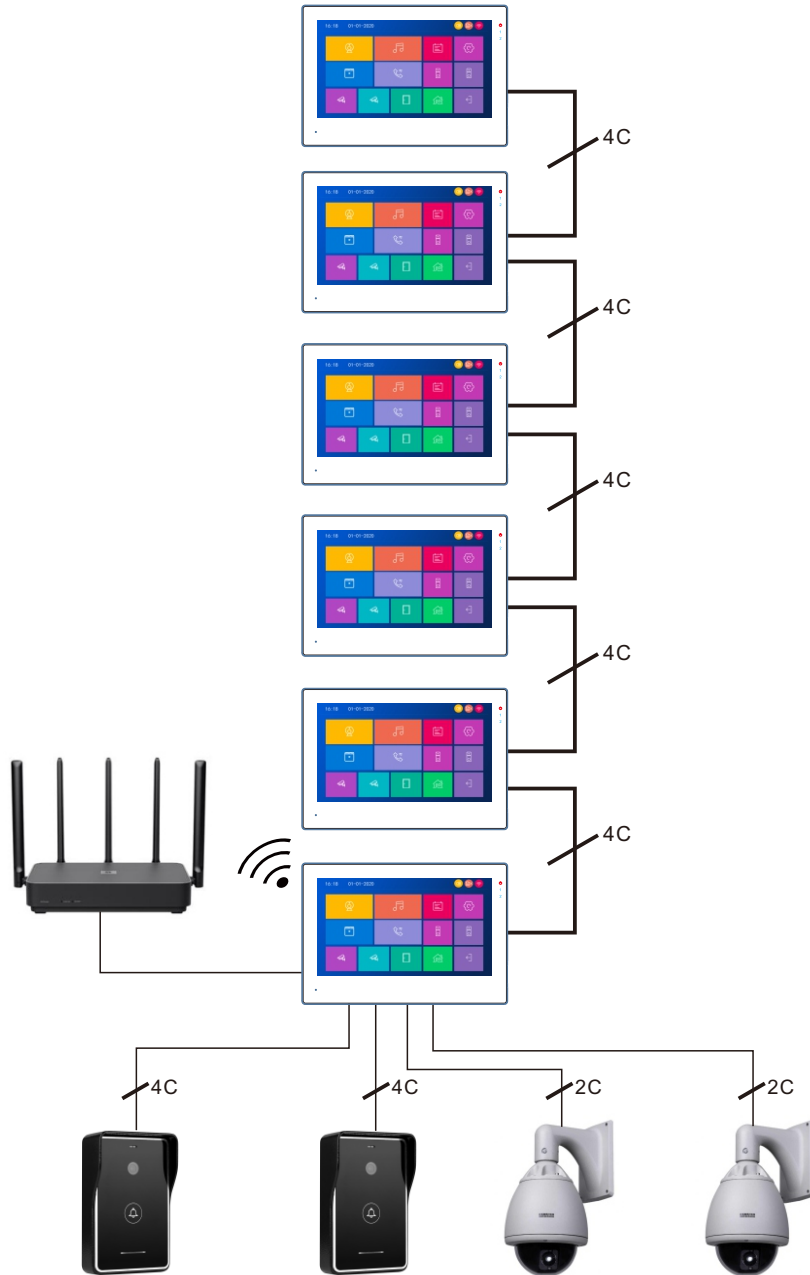
Default setting: Select language and device ID

System		
language	≪ English ≫	
Device-ID	≪ 1 ≫	

≫
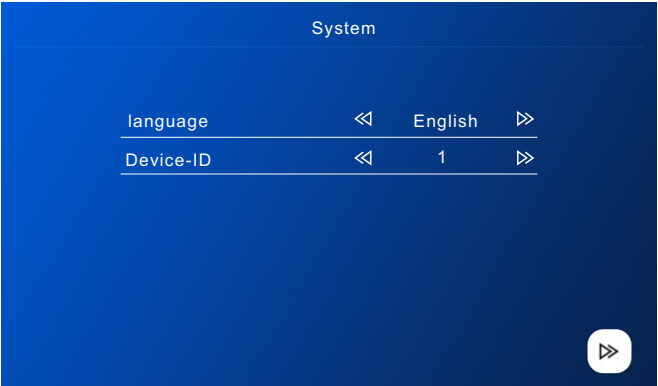
Please note: The Device ID is an important configuration of the equipment in the system.
It must be configured correctly,Otherwise it will not work properly. If the current device
is connected to the Outdoor unit1, it must be set to 1, and the others Slave monitors
must be set 2/3/4/5/6 then work normally.

Input setting		
Door1 Signal mode	≪ PAL ≫	
Door1 Signal type	≪ AHD1080 ≫	
Door2 Signal mode	≪ PAL ≫	
Door2 Signal type	≪ AHD1080 ≫	
Camera1 Signal mode	≪ PAL ≫	
Camera1 Signal type	≪ AHD1080 ≫	
Camera2 Signal mode	≪ PAL ≫	
Camera2 Signal type	≪ AHD1080 ≫	
Quick setup	≪ ≫	
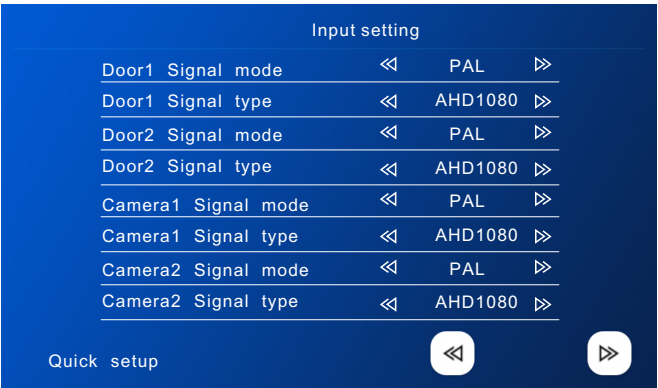
Note: The input video signal must be accurate, otherwise the video signal will not be
displayed correctly. If you cannot accurately know the resolution and format of the
input signal, you can use the automatic detection function.

Network Setting	
Netpairing Mode	≪ EZ Mode ≫
Cloud services	Unconnected
IP sddress	
MAC	44:01:bb:xx:xx:xx
UUID	*CVBFX02***

≪   ≫
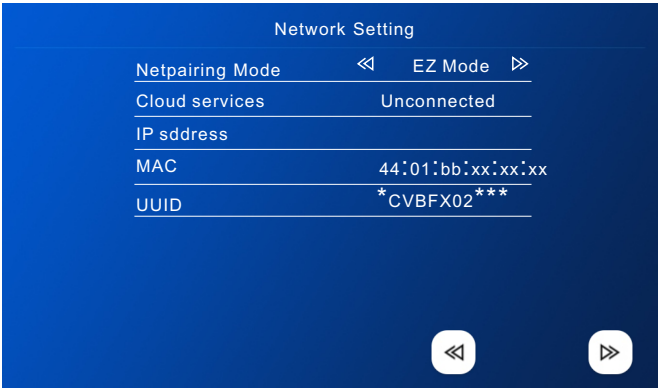
EZ mode

1: EZ mode,only use the mobile phone to connect the WIFI router and match the WIFI
password (Monitor no need to set), as shown below
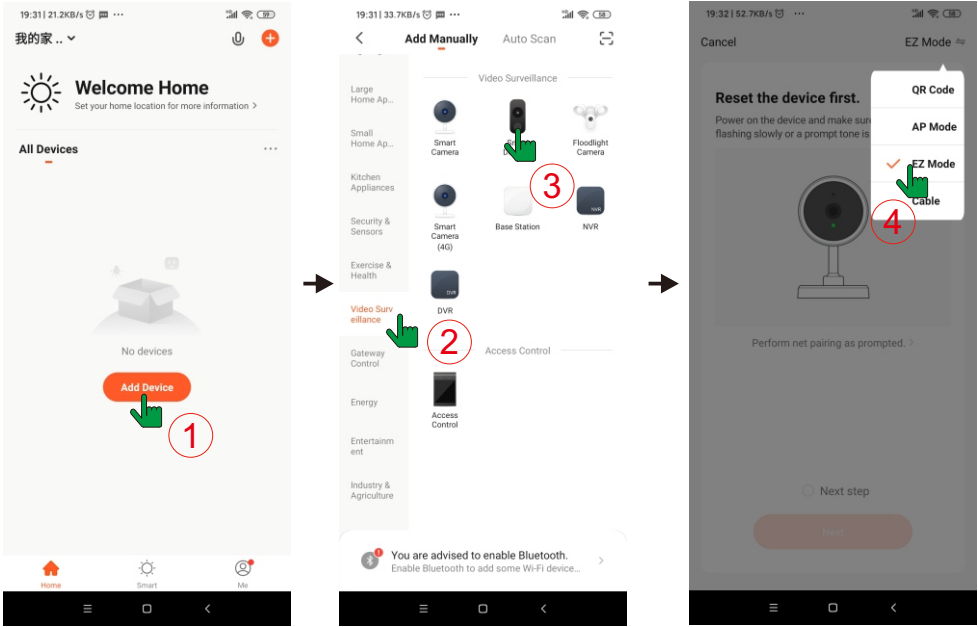
Open Tuya and click Add Device

Video Surveillance>Smart Doorbell

Choose EZ Mode to match WIFI password;Please be patient, it takes about 40s ~60s
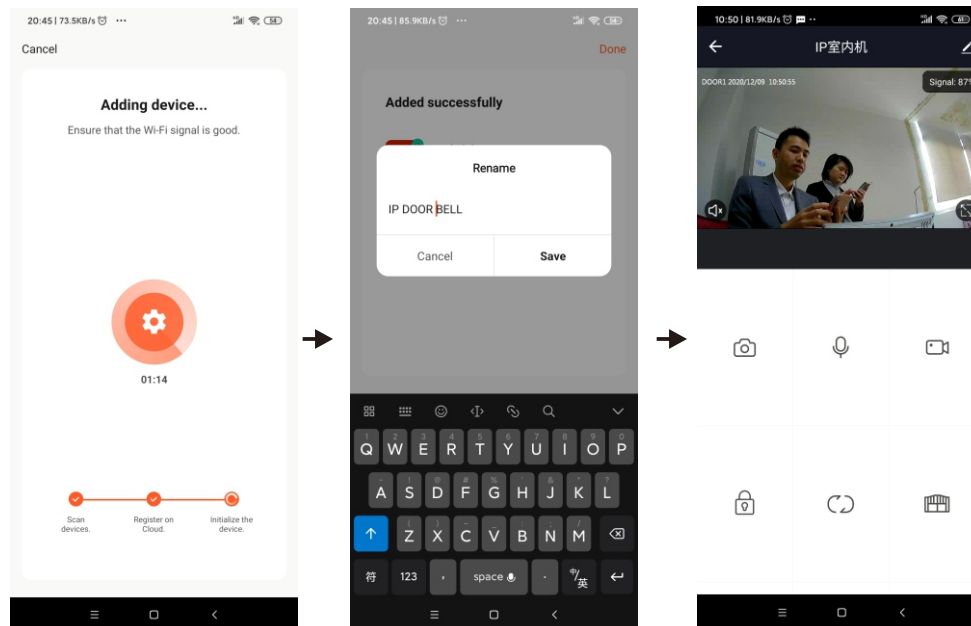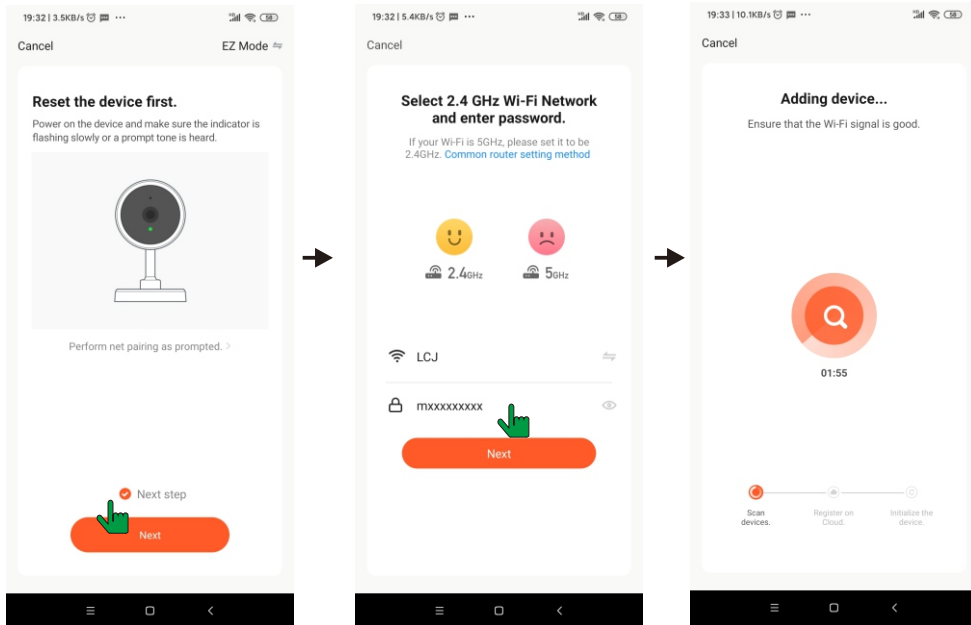
Precautions

1: It is better to turn off the data flow when connecting to the network, use WIFI communication, and firstly use WIFI to test whether the network is smooth, the signal is better to be above 90%, because the EZ mode uses the broadcast mode, and The strong signal will make the connection more easy to succeed.

Note: If the connection using EZ mode is unsuccessful, generally there are the following points：

1: The total number of road management mail users is generally 16, 32; 128; most of them The number of users is 16, if all users are connected, it will be difficult to reconnect Access this device through EZ broadcast mode. In this case, you can delete some users,Or use AP connection mode

2: The encoding and decoding methods of some older WIFI routers are relatively old and do not support EZ Quick connection In this case, you can only connect using AP mode.

3: If you connect a high-definition WIFI camera to a WIFI router,it will also affect the success rate of the connection, because high-definition video will take up a lot of bandwidth and cause broadcast interruption during the EZ mode connection,successful configuration will be more difficult. The method can be to first suspend the power supply of the WIFI camera, and then resume the power supply of the camera after the connection is successful; or use the AP mode to connect.

4: Do not connect more than two devices at the same time under the same router environment, otherwise they will cross code with each other. You can turn off one of them then connect
 the other one.

AP mode

To quickly configure the interface and configure the AP mode in (Settings>Network Interface), note: In (Settings>Network Interface), press the back button to restart the device. (Settings>Network Interface) view the WIFI hotspot name and password.

Network Setting

Netpairing Mode	≪ AP Mode ≫	
Cloud services	Unconnected	
WIFI hotspot		
Password		
UUID	*CVBFX02***	

Quick setup
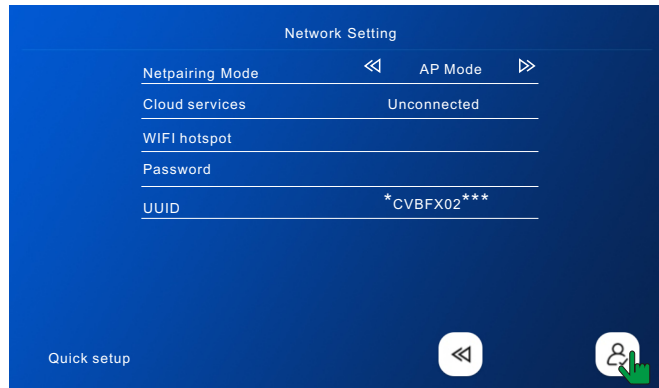
After restarting as prompted, enter the following interface in turn

Network Setting

Netpairing Mode	≪ AP Mode ≫	
Cloud services	Unconnected	
WIFI hotspot	SmartLife−20646e4	
Password	12345678	
UUID	*CVBFX02***	

6#

Quick setup
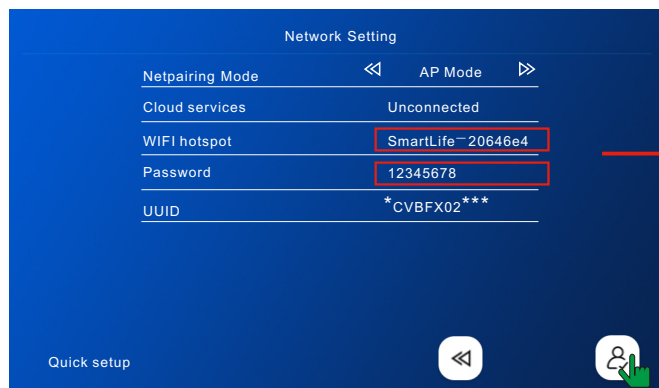
Tuya APP operates as follows
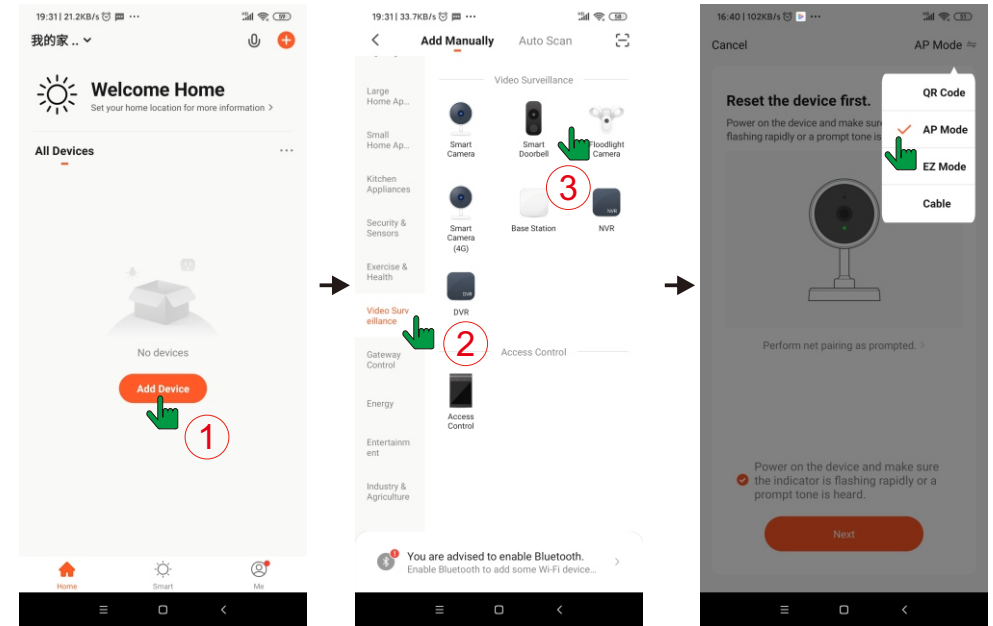
Open Tuya and click Add Device

Video Surveillance>Smart Doorbell

Select AP mode
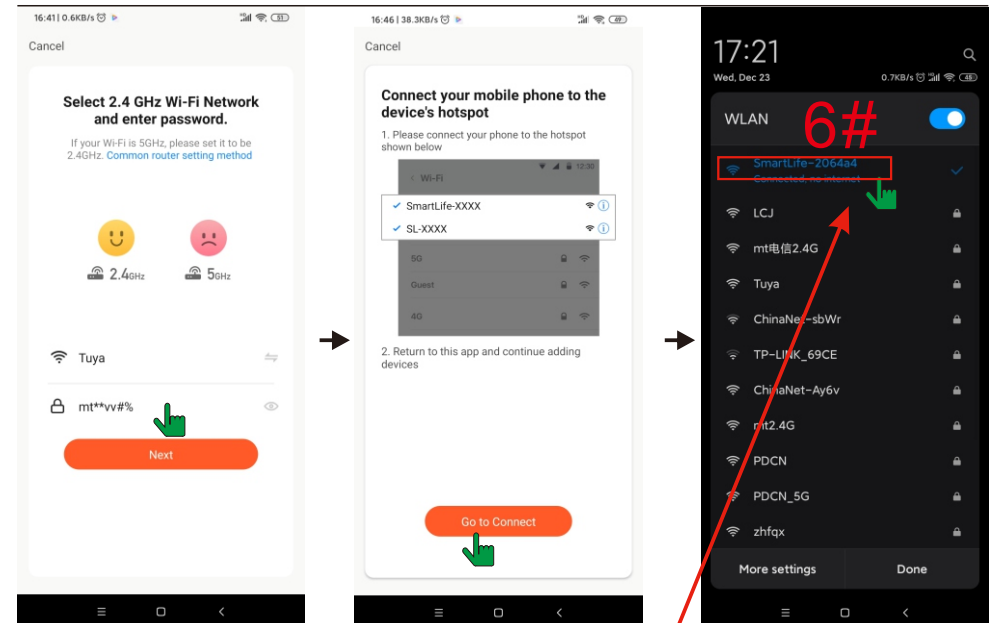
The name of the WIFI hotspot is the same as the interface, and the password is 12345678

Notes on using APP

1: If the device has been successfully connected to the user,the user needs to delete the device on the APP before adding it to another user. (note: The user should be deleted when the network is good, otherwise it's only deleted on the mobile APP, but not on the server). After deleting, go back to the APP to check and confirm.

2: If a new user needs to be added again after the machine restores to the factory settings, the current user also needs to delete the device then re-connect. Otherwise, the device has deleted the password of the router and it's unable to connect.

App function definition
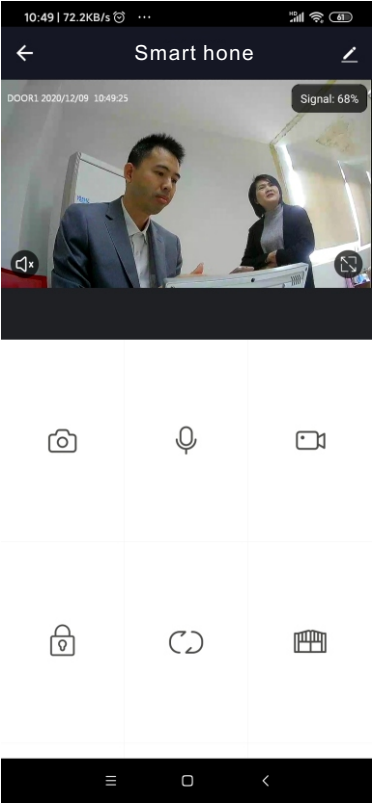
Icon	Description
📷	Take pictures on APP and save them in APP
🎤	Talk
📹	The video is on the phone, not on the SD card
🔒	Door Unlock: Release the electronic lock which connects with the outdoor unit.
🔄	Channel switching, this is related to the indoor unit menu setting. If you turn on 4 channels, you need to use the switches as: on
🚪	Independent Unlock: Release the electronic lock which connects with the indoor unit.
▶	Playback SD card recording
🖼	Playback pictures

15

Menu operation instructions

| No.	Icon	Description
1		Red means that the channel status is motion detection turned on, and gray means that motion detection of this channel is turned off
2		1: At home mode, normal working state. Will be pushed to the mobile terminal. 2: Not at home mode, directly open the message reminder, visitors can record the message with video. It will also be pushed to the mobile phone. 3: Sleep mode: In door unit and outdoor unit will have no ring,Outdoor will not ring, and it will also be pushed to the mobile phone.
3		Network connection status indication
4		Call log files.
5		Message record files.
6		Motion detection record files.
7		Alarm log files.

16

Menu styles

1:Win10 style

2: Android style

3: Standard style

Three styles of interface can be set through the menu. No need to restart

Setting

Language	≪	English	≫
Device-ID	≪	1	≫
Menu style	≪	Win10	≫
Keytone	≪	on	≫
Factory settings	≪	ok	≫
software upgrade	≪	ok	≫
Restart the system	≪	ok	≫
Formatting SD	≪	ok	≫
SD remaining space	≪	18.6G/128G	≫
Software version	≪	V1.01-20201216	≫

System

1: Please format the SD card with the device and copy the files to the corresponding folder. Please note: it must match the corresponding folder.

2:Restore factory settings: All set parameters are restored to factory mode. Note that Tuya's device must be deleted together before it can be used again, otherwise it cannot be added and used by other accounts. Can't connect to the Internet. ! ! !

Time

1: (Screen off): Back to system menu 10s later will be off.
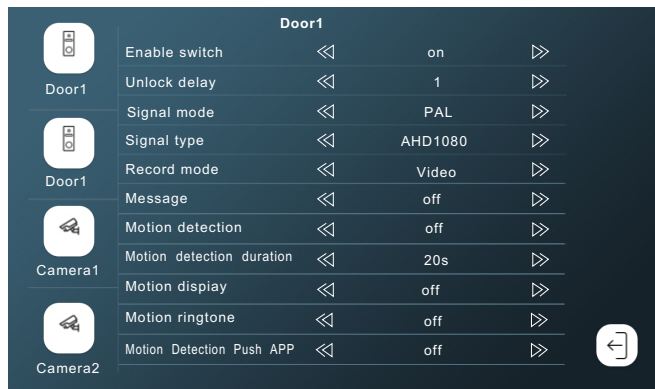
2: (Clock): Standby display time.

Digital Frame

note:

1: The picture file must be copied to the Digital Frame folder, the picture resolution must not be greater than: 2526x1576, the format is JPEG.
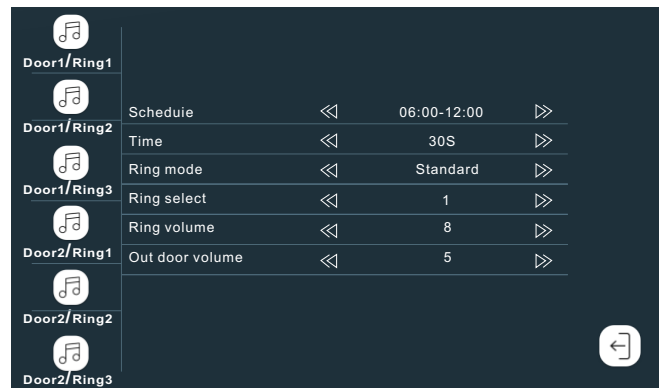
2: Long press the file to pop up the submenu, select "Delete" or "Delete All", and click the file to enter the playback interface.

Devices

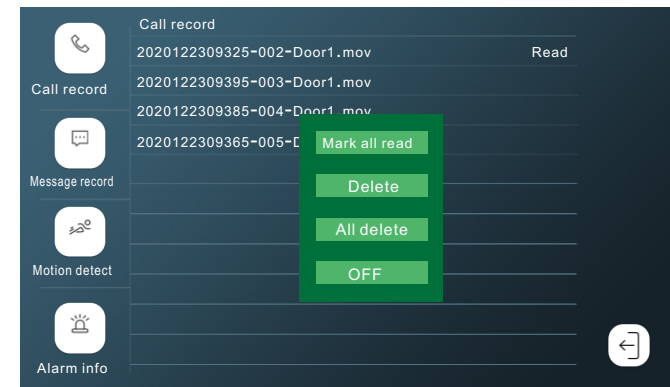| Door1			
Enable switch	◁	on	▷
Unlock delay	◁	1	▷
Signal mode	◁	PAL	▷
Signal type	◁	AHD1080	▷
Record mode	◁	Video	▷
Message	◁	off	▷
Motion detection	◁	off	▷
Motion detection duration	◁	20s	▷
Motion display	◁	off	▷
Motion ringtone	◁	off	▷
Motion Detection Push APP	◁	off	▷

Door1 / Door1 / Camera1 / Camera2

1: If the channel is closed, it will be skipped when monitoring the polling screen. This channel and APP will not display this channel. Please set it carefully.

2: When Motion Detection Push APP is closed, the phone will not receive any push information.

Ring

Door1/Ring1, Door1/Ring2, Door1/Ring3, Door2/Ring1, Door2/Ring2, Door2/Ring3

Scheduie	◁	06:00-12:00	▷
Time	◁	30S	▷
Ring mode	◁	Standard	▷
Ring select	◁	1	▷
Ring volume	◁	8	▷
Out door volume	◁	5	▷

1: The ringtone of each channel can be set to three time periods,and different ringtone types and volume can be set, but it should, be noted that there can be no gaps and overlaps between the three time periods, otherwise the system will play the default parameters.

2: Please note that the volume setting of the Door bell cannot be greater than the volume of the indoor unit.

Recording

Call record

2020122309325-002-Door1.mov	Read
2020122309395-003-Door1.mov	
2020122309385-004-Door1.mov	
2020122309365-005-D	

Mark all read / Delete / All delete / OFF

Call record / Message record / Motion detect / Alarm info

1: Click the file to play directly, long press the file to enter the delete/read operation.
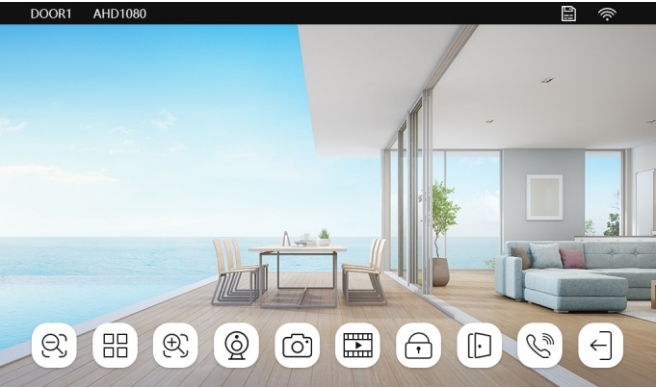
	Zoom out
	Volume,brightness,contrast, saturation adjustment
	Zoom in
	Switch to the next channel, Door1>Door2>Cam1>Cam2
	Snap a picture
	Snapshot
	Door 1/Door 2 unlock
	Indoor monitor unlock
	Calling, Hang up

Please pay attention to the name marked on the sticker of the machine toavoid wrong connection.Wiring requirements (the actual effect and wire quality are Great elationship):1.4 core ordinary unshielded and shielded wiring cable;

2. The effective distance from the outdoor camera to the furthest indoor monitor:

Transmission <30m (4x0.4mm^2)

Transmission <60m (4x0.65mm^2)

3. If you want to extend the distance to more than 60m, it is best to choose thick copper core cable, shielded wire or 3-core ordinary unshielded wire + 75-3 video cable. Connect the shield terminal to GND.

Three-wire unshielded cable + SYV75-3 video cable

Integrated video surveillance cable with power cord(2x0.5mm^2 +75-3)

4:If user wants to use CATS or CAT6 network cable.effective distance from the outdoor camera to the furthest indoor monitor will be limited. For unshielded network cable, the distance will be up to 20m. For shielded network cable, the distance will be up to 40m. So CATS or CAT6 network cable is not recommended.CATS or CAT6 network cable consists of 4 pairs of twisted pairs(8 wires), here one pair of twisted pair will be used as one cable.Green &White+Green, Brown&White+Brown, Orange&White+Orange, Blue&White+Blue.

shield   shield

If it is a shielded wire, it must be connected to GND.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).