New Trend Series

Video Doorbell Manual

AHD 1080P High Definition Recording Series

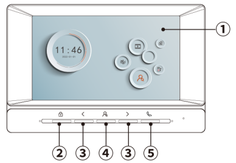
V1.0

Product Specifications

Project	Parameters	Project	Parameters
Display Screen	IPS LCD Display Screen	Surveillance Duration	30s
Resolution	1080P(2.0MP)	Call Duration	60s
Power Supply	DC15V 1.2A	Intercom Duration	90s
Power	Standby: ⩽3W Operating: ⩽10W	System Video Recording Duration	Surveillance status for 30 seconds, call/Answer status for 60 seconds
System Connection	RVV4	File Storage Method/Format	Loop overwrite/jpg & avi.
Ringtone	10 Songs	Recorded File Playback	Local playback/Computer playback (folder "media")
Auto Recording	Supported (This product is a TF card auto-recording model, no setup required)		

Please read this manual carefully before use to ensure the correct operation of this product

I. Product Introduction



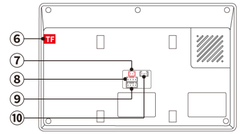
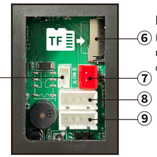


Figure (1)

①.IPS Display Screen
②.Quick Unlock Button 《 》
③.Left/Right Selection Buttons 《 / 》
④.Monitor/Confirm Button 《 》
⑤.Answer/Return Quick Key 《 》
⑥.TF Card Slot (Supports up to 128GB)
⑦.DC15V 1.2A Power Port (Red)
⑧.Indoor Unit/Outdoor Unit Wiring Port
⑨.Indoor Unit/Outdoor Unit Wiring Port
⑩.3P Lock Interface Port **(Optional)**



Schematic diagram of the indoor unit's back

Note:
(The TF card slot of some models is located on the side of the indoor unit)

Note:

" "Unlock Shortcut Button

a).Activate the lock connected to the indoor unit (optional feature)

When the indoor unit is in standby mode, press the indoor unit's unlock button " " to unlock the lock connected to the indoor unit. For specific wiring operations, refer to Figure (8)

b).Unlock the door connected to the door station

When the indoor unit is in surveillance/intercom mode, pressing the unlock button " " will unlock the outdoor unit connected lock. For wiring details, refer to Figures (5, 6)

II. Product Setup

A. Introduction to Main Interface Icons

Icons	Explanation	Icons	Explanation
	Monitoring Inspection		Format TF Card (TF Card required)
/	Silent/Ringing Mode	/	Power Supply for Door Station (On/Off)
	Visitor Records (requires the use of a TF card)	00:00	Date/Time

Figure (2)

Note:

a). Regarding the Use of TF Cards

When the indoor unit does not have a TF card inserted, the main interface features [Visitor Records, Format TF Card] will be hidden and not displayed.

B. Date/Time Settings

Operation Path: When the indoor unit is in standby mode, press the " / " button, select the Date/Time setting icon → press the " " button to confirm → enter the setting interface (complete the settings) → select the icon [OK to confirm] → press the " " button to save and exit.

Note:

If you press the " " button while in the Date/Time setting interface, you can directly exit the setting interface without modifying the date and time.

C. " " Silent Mode Settings

Operation Path: When the indoor unit is in standby mode, press the " / " button, select the icon [Silent] → press the " " button → set to silent or ringing mode.

Note:

a). Ringing Mode

Set to [Ring], the indoor unit will light up and ring when a visitor calls. Ring duration is determined by the ringtone length.

b). Silent Mode

Set to [Silent], the indoor unit will light up without ringing upon visitor call.

D. " "Outdoor Unit Power Supply Settings

Operation Path: The indoor unit, in standby mode, press the " / " button, select the icon 【Outdoor Unit Power Supply】 → press the " " button → set whether to power the outdoor unit, detailed operation see figures (5,6)

Note:

a).Outdoor unit power supply

If the purchased outdoor unit requires power to operate, you can enable the outdoor unit power supply feature to provide a 15V power source for the outdoor unit; otherwise, the outdoor unit will need to be powered separately.

E." "Formatting a TF Card (TF Card Required)

Operation Path: In standby mode, press the " / " button, select the icon [Format] → press the " " button → follow the prompts to complete the formatting → wait for 10 seconds for the formatting to finish.

F." "Guest Record (TF Card Required)

Operation Path: In standby mode, press the " / " button to select the icon [Guest Record] → press the " " button → enter to view and play back files.

Note:

a).Playback View

Press the left button " / " to quickly jump to the recorded file, press the " " button to view the recorded file.

G." "Basic Settings (Adjusting the indoor unit's ringtone volume, screen brightness, contrast, and saturation)

Operation Path: In standby mode, press the " / " button to select the icon [Monitor] → press the " " button → enter the monitor viewing interface → press the " / " button again to select the icon [Settings] → press the " " button → a settings interface will pop up, for specific function descriptions, see Figure (3)

Monitoring Interface

Icon	Description
	Basic Settings (For details, see the following instructions)
	Return
	Ringtone Selection
	Ringtone Volume
	Brightness Settings
	Contrast Settings
	Saturation Settings

Figure (3)

Note:

1). The factory default settings are: **Ring volume 5, Brightness 6, Contrast 7, Saturation 10;**

2). When connected to a single indoor unit (see Figures 5 and 6), the factory settings are the optimal values;

3). When connecting multiple indoor units (see Figure 7), the parameter values need to be set to:

Ring volume 5, Brightness 6, Contrast 9, Saturation 10.

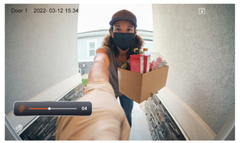
H. " " Intercom Volume Settings

Method One

Operation Path: In standby mode, press the " / " button first to select the icon [Monitor] → press the " " button → enter the monitor viewing interface → then press the " " button (to answer the call) → press the " / " button to select the icon [Intercom Volume] → press the " " button to confirm → a settings interface will pop up, adjust the settings as needed, for specific function descriptions, see Figure (4)

Method Two

Operation Path: When a visitor presses the call button on the outdoor unit → press the " " button first (to answer the call) → press the " / " button to select the icon [Intercom Volume] → press the " " button to confirm → a settings interface will pop up, adjust the settings as needed, for specific function descriptions, see Figure (4)



Answering Intercom Interface

Icon	Description
	Adjusting the Indoor Unit's Intercom Volume

Figure (4)

III. User Manual

A) .Answering a Call

a). When a visitor presses the call button on the outdoor unit, the indoor unit's screen will display the real-time image outside the door and ring;

b). After the ringtone, you can press the " " button to answer the call. The call duration is 90 seconds. During the call, you can press the " " button to unlock, and you can set the intercom volume;

Note: The first press of the " " button will initiate the call, and the second press of the " " button will end the call, or the call will automatically end after 90 seconds. If the call is not answered within 60 seconds, the screen will automatically turn off.

c). If you need to resume the conversation after hanging up, you need to press the " / " button first to select the icon [Monitor], then press the " " button, and finally press the " " button to continue the intercom conversation with the outdoor unit.

B) .Rejecting a Call

When a visitor presses the call button on the outdoor unit, the indoor unit's screen will display the real-time image outside the door and ring. → If you choose not to answer the call, you can press the " " button to hang up the call.

C) .Monitor

In standby mode, press the " " button to view the real-time situation at the entrance. During the monitoring period, you can adjust the screen ringtone volume, screen brightness, contrast, and saturation.

IV. Wiring Diagram

A. Wiring Diagram for Access Control Power Supply Combination

Note: Wiring reference for the outdoor unit

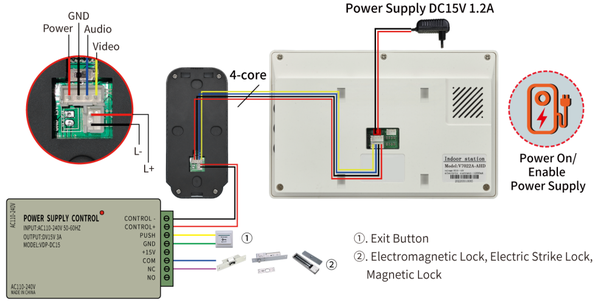


Figure (6)

Note: Considering that this type of outdoor unit requires power supply, the indoor unit must be enabled to supply power to the outdoor unit.

B. Wiring Diagram for Use with Electric Lock Control

Note: Wiring reference for the outdoor unit

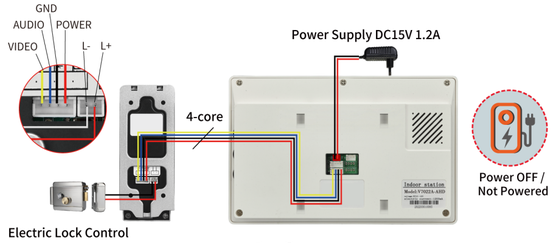


Figure (5)

Note: Given that this type of outdoor unit does not require a power supply, the indoor unit should not be enabled to supply power to the outdoor unit.

C. Wiring Schematic for Outdoor Unit with Two Indoor Units

Note: Serial connection between indoor unit,up to 4 indoor units

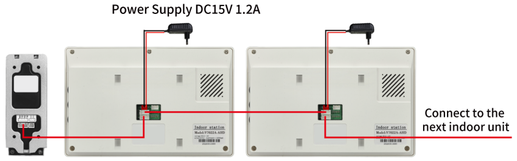


Figure (7)

D. Indoor Unit Wiring Diagram with Access Control Power Supply

Note: This feature is an optional configuration. If the device does not have the relevant interface, please ignore this setting item.

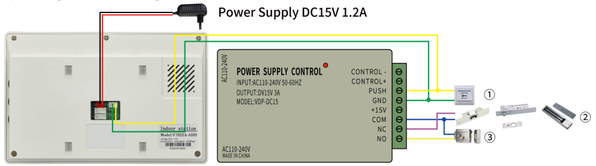


Figure (8)

V. Wiring Instructions

A.Precautions before use

Regarding the use and selection of wires, please refer to the following information

(cable quality affects video and voice transmission distance)

RVV 4 core wire

Distance≤30m (4*0.5mm²); Distance≤60m (4*1.0mm²)

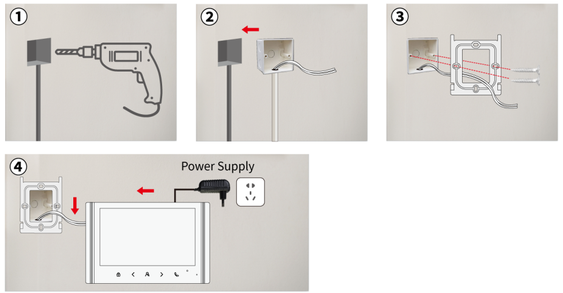
Cat.5e/Cat.6e pure copper 8-core network cable

(two cores of the network cable are used as one core, single core cannot be used normally)

(Cat.5e/Cat.6e pure copper 8-core network cable distance≤60m)

VI. Installation Instructions

Method 1: External Power Supply Installation



First determine the installation location and height of the indoor unit; the reference installation height for the indoor unit is the center of the screen at a distance from the ground (150cm to 160cm).

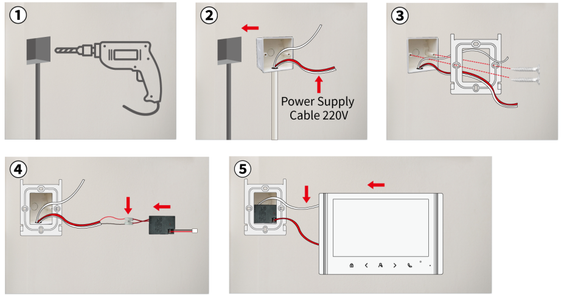
①. Position the indoor unit installation location and use construction tools to cut a groove in the wall;

②. Bury the junction box and thread in the necessary cables for the device, and use cement mortar to fill and smooth the wall groove;

③. Use screws to fix the indoor unit mounting plate to the buried wall box;

④. Correctly connect the cables to the indoor unit, hang it on the wall mounting plate, plug in the power supply to power it up, and complete the installation.

Method 2: Built-in Power Supply Installation



First, determine the installation location and height for the indoor unit; the recommended installation height is with the camera center (150cm to 160cm) from the ground.

①. Position the indoor unit and use construction tools to cut a channel in the wall for the wiring.

②. Install the junction box and run the necessary cables (including a 220V power line from the electrical box), then fill the wall channel with cement mortar to make it flush and smooth.

③. Secure the indoor unit's mounting plate to the wall-mounted box with screws.

④. With the power off, connect the live (hot) and neutral wires of the power supply to the power transformer, organize the cables, and place the power transformer into the wall-mounted box.

⑤. Correctly connect the cables to the indoor unit, hang it on the wall mounting plate, and power up the device to complete the installation.

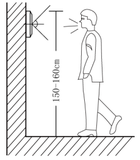
Note:

a). Please ensure that the installation is carried out with the power off, and pay attention to electrical safety.

b). Do not disassemble without permission to avoid the risk of electric shock.

c). Do not drop, shake, or hit the device, as this may damage the components.

d). Choose the best installation location, with a distance of 150cm from the horizontal viewing angle.

e). Install away from devices with strong radiation: televisions, computers, video recorders, etc.

f). Maintain a distance greater than 60cm from AC power to avoid interference, and keep away from water, magnetic fields, and chemicals.