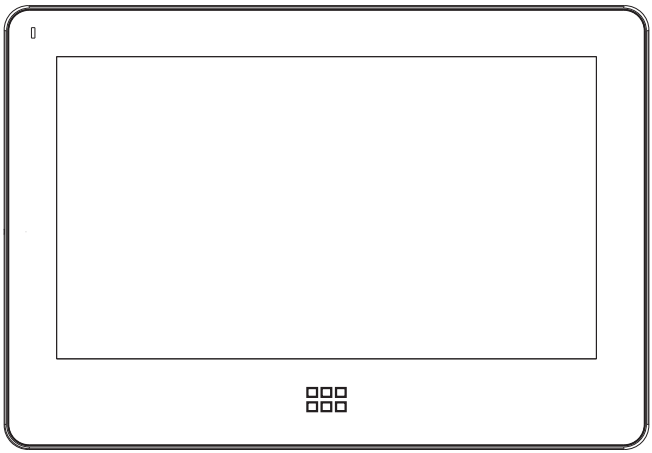
COLOR VIDEO DOOR PHONE

USER MANUAL



- Thank you for purchasing our products.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.
- Please carefully read this User's Guide(in particular, precautions for safety) before using this product .

Index

Warning and Caution 1
The function and name of each part 3
Features and main function 4
Package contents 4
System layout 5
Wiring diagram 6
Installation method 8
Cable specification 9
Operation guide 10
Incoming call answer 10
Talking volume adjust 11
Brightness/color/contrast adjust 11
Monitor doorbells or CCTV cameras 11
Internal call among monitors 12
Broadcast function 12
Monitor listening 12
Image Capturing 13
DVR function 13
Manual video recording 14
Auto leaving message 14
Family audio message 14
Change attention message for automatic answering function 15
Alarm clock and electronic calendar 17
View photo, video, DVR and multimedia files 17
Delete single file or folder 19

Transfer visitor call to the telephone(for telephone module) 19
System main menu 20
System settings 21
Parameters of picture capturing/video recording/DVR 27
Specification 28

Version 1.0

Warning and caution

Make sure to follow the instructions to prevent any danger or property losses.

Warning
Death or serious injury is expected.

It indicates prohibition.

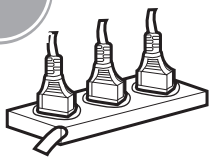
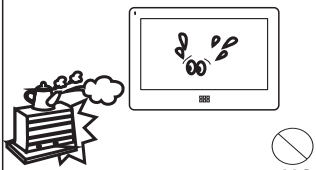
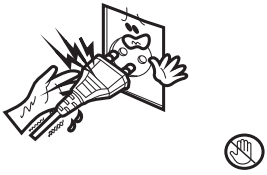
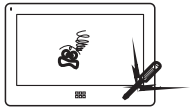
It indicates disassembly.

It indicates prohibition of contact.

It indicates dos and don'ts.

It indicates that the plug should be pulled out from the socket.

warning

 NO	NO	NO
Do not put the plug in the socket simultaneously. It may generate abnormal heat or cause a fire.	**Do not connect to other products while in use. It may cause breakdown.**	**Do not forcibly bend the cord or put a heavy object on the product. It may cause a fire.**
NO	 NO	NO
Do not use water, thinner or a detergent used to wash oil products when you wash the exterior. Make sure to wash it by using a dry cloth to prevent any breakdown or electric shock.	**Do not install the product in a humid place. It may cause an electric shock or a fire.**	**Do not forcibly pull out the cord from the socket. If the cord is damaged, it may cause a fire or an electric shock.**
		
Do not put the plug in the socket with a wet hand. It may cause an electric shock.	**Do not disassemble, repair or modify the product. It may cause a fire, an electric shock or an injury due to malfunction of the product.**	**Do not use AC circuit breaker. It may cause an electric shock.**

Caution

A injury or property losses are expected.

It indicates prohibition.

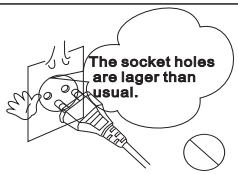
It indicates disassembly.

It indicates prohibition of contact.

It indicates dos and don't.

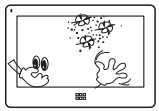
It indicates that the plug should be pulled out from the socket.

CAUTION



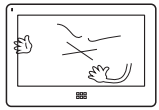
NO

If the socket holes are larger than normal, do not put the plug.
It may cause an electric shock or a fire.



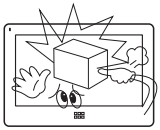
NO

Make sure that dust or foreign substances are not gathered on the product.

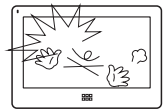


NO

Make sure to prevent foreign substances from entering the product.
It may cause a breakdown.

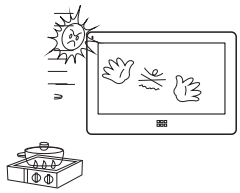


Do not put a heavy object on the product.
It may cause a breakdown.

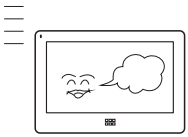


NO

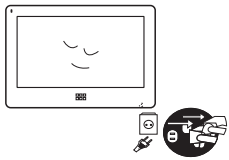
Do not disassemble the product.



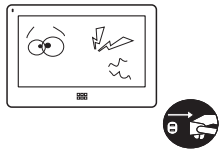
Avoid direct rays of the sun or heating devices at a time of installation.



Install the product in a flat and stable place.
Otherwise, it may not function properly.

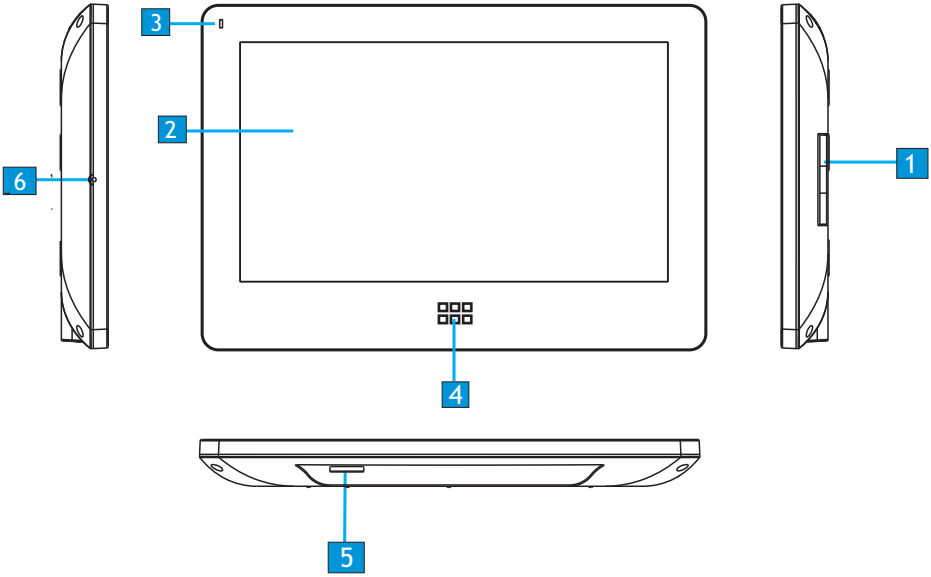


Pull the plug if the product is not used for a long time.



If the product generates strange sound, make sure to pull the plug immediately and contact service center.

The function and name of each part



No.	Item	Function description
1	Speaker	
2	LCD	
3	Indicator	Power indicator
4	Home button	Enter system main menu
5	Micro SD card slot	
6	Microphone	

Features and main function

1.Features

- 7" color digital LCD, high definition
- Touch screen
- Hands free design, perfect intercom with clear voice
- The optional multi-language friendly interface
- 8 polyphonic ring-tones switch freely
- easy to operate

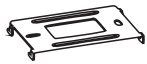
2.Main function

- Lock control
- Call transfer
- “Don’t disturb” function
- Broadcast function
- Monitor listening
- Simple DVR function with motion detection
- Auto leaving message
- Alarm clock and calendar
- Video & audio recording
- Multimedia function: photo frame, music playing
- Brightness, contrast, volume and color adjustable
- Real-time monitoring to doorbell or CCTV camera
- Make internal call to other monitors

Package contents

Monitor

User manual



Wall bracket

2*Expansion bolt

Desiccant

2*M3.5*30 fixing screws

5 pin connector (red/blue/yellow/ white/brown)

2*4 pin connector (red/blue/yellow/ white)

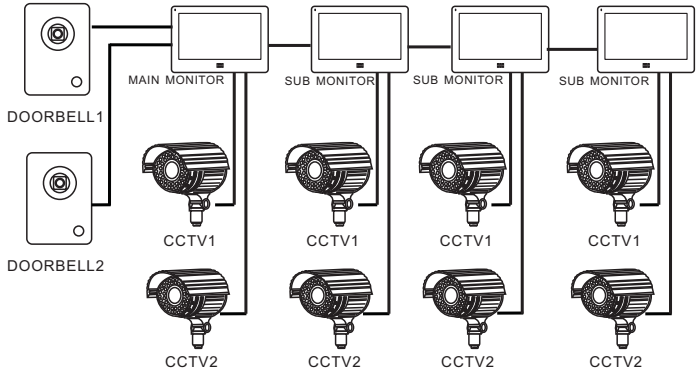
4 pin connector (white/blue/ white/blue)

Adaptor

System layout

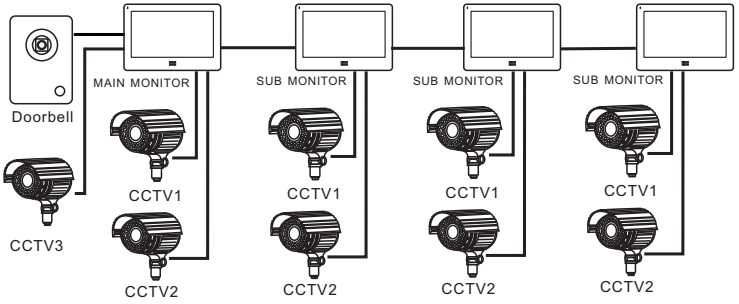
1.The port 2 connect doorbell panel

The system can maximum support 1 main monitor, 3 sub monitors, 2 door panels and 8 CCTV cameras.



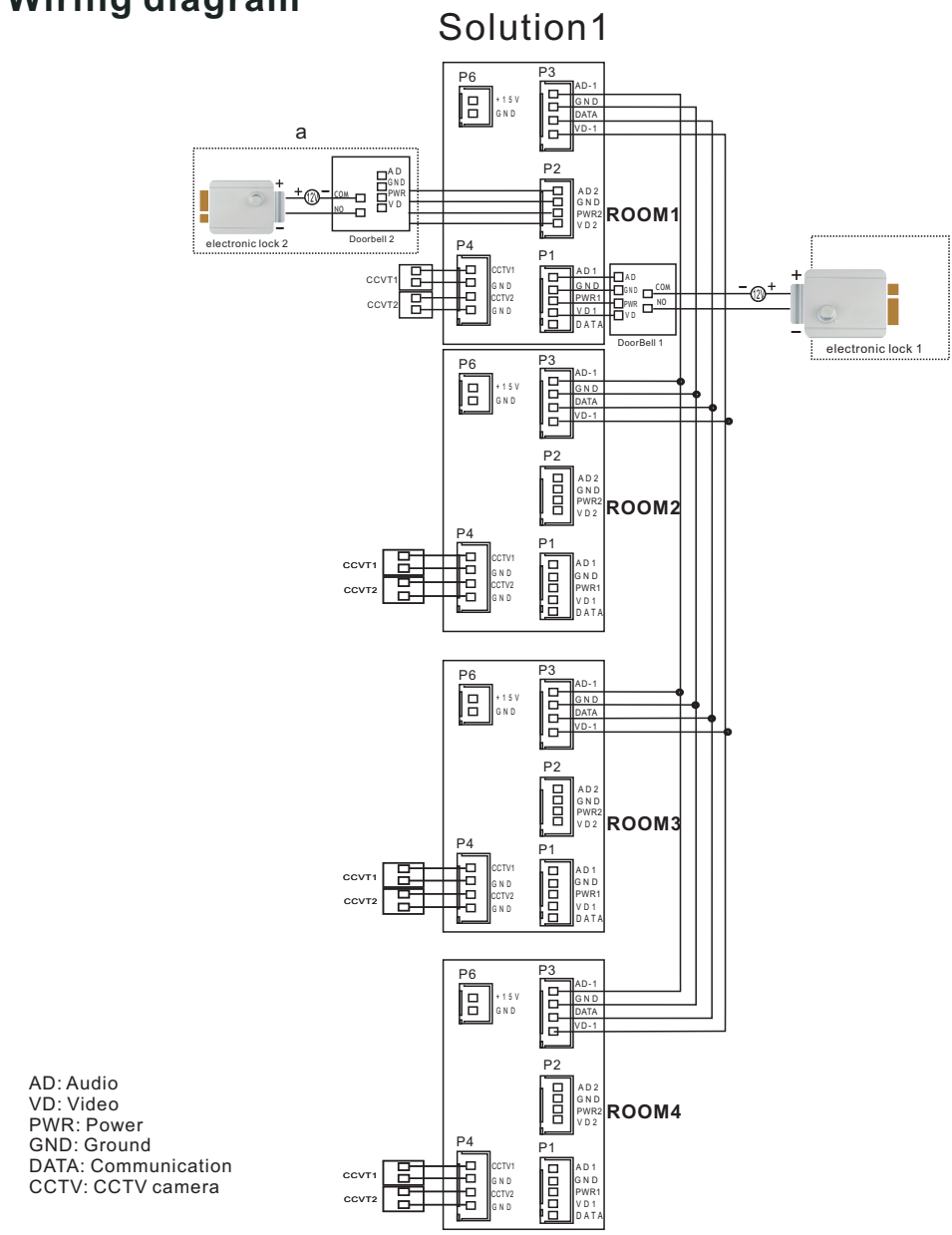
2.The port 2 connect the CCTV camera

The system can maximum support 1 main monitor , 1 door panels, 9 CCTV cameras and 3 sub monitors .



Note: Based on the actual usage ,please refer to P24 set the port state.

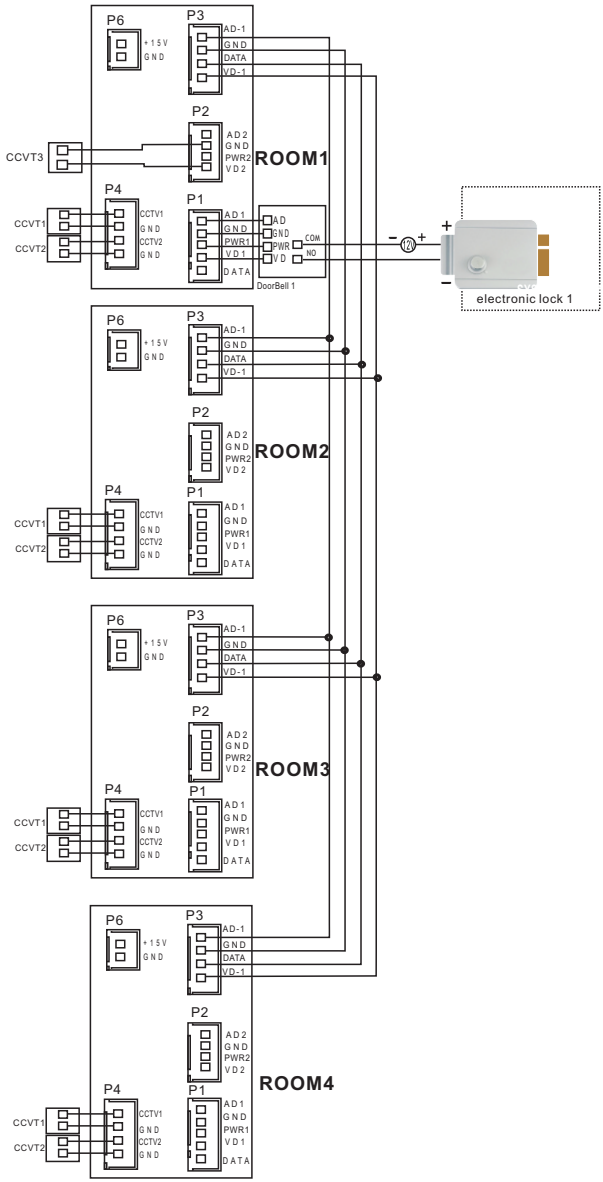
Wiring diagram



AD: Audio
VD: Video
PWR: Power
GND: Ground
DATA: Communication
CCTV: CCTV camera

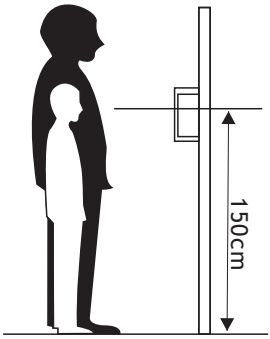
Note: (a)Door panel unlock wiring: electronic lock 2+external power supply.

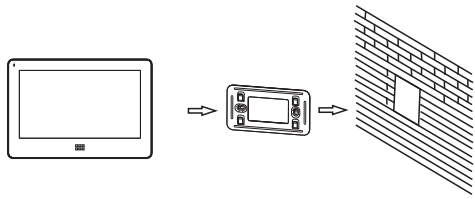
Solution2


P6
+15V
GND
P3
AD-1
GND
DATA
VD-1
P2
AD2
GND
PWR2
VD2
ROOM1
CCVT3
P4
CCTV1
GND
CCTV2
GND
CCVT1
CCVT2
P1
AD1
GND
PWR1
VD1
DATA
AD
GND
PWR
VD
COM
NO
DoorBell 1
12
electronic lock 1
ROOM2
ROOM3
ROOM4

Installation method

1.Refer to relevant wiring diagram of the system you have chosen and ensure you have the correct cable.
2.Determine the monitor installation position:
    -suggest install at 1.5~1.6Meters;
3.Ensure no power supply connection before installation finished
4.Take off the bracket from the back of the monitor.
5.Install the bracket on the wall
6.Connect cables as per the wiring diagram indicated.
7.Fix the monitor onto the bracket.
8.Connect power when doorbell is installed.

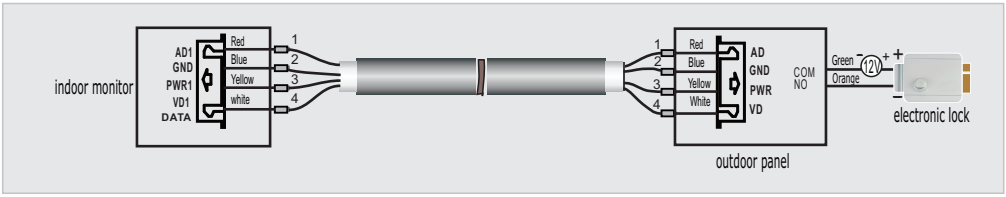




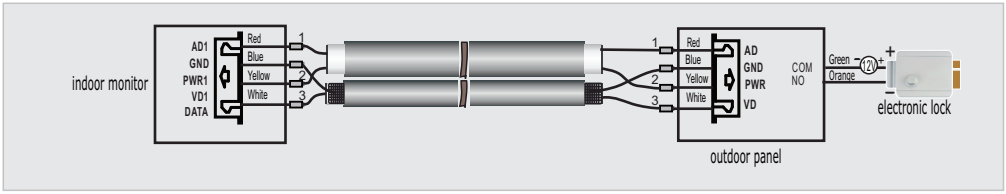
Cable specification

Our system has 1 solution to unlock the door: Unlock signal from doorbell
(The cable shield wire needs to be grounded)
When signal from the doorbell, cable specification is:

- Distance between monitor and door station is less than 30 meters, RVV 4*0.3 mm^2 cable is available;



- Distance exceed 30 meters,please choose professional cable SYV-75-3+RVV 2x0.5mm^2 (recommend);



Operation guide

The system support five kinds of action types:

1.Click: In multimedia manager interface, click anywhere of blanked place will pop up the related operation menu. Click again can hide the menu.

2.Left slide*:* Left slide can return to last menu/View last picture.

3.Right slide: Hide the menu in multimedia interface/View next picture.

4.Up slide: In system settings, up slide to next page.

5.Down slide: In system settings, down slide to last page.

When monitor is at answering or monitoring state, the below menu will show on the right of the screen.

Icon description	Answer	Hang up	Call/Call transfer	Monitor switching	Function adjustment	Image capturing	Video recording	Unlock

Incoming call answer

When a visitor presses doorbell,all the indoor monitors in this house will chime simultaneously, the screen will show INCOMING CALL. Click the icon to talk with the visitor. If you want to unlock the door for the visitor, click the icon, then DOOR UNLOCKED will show on the screen.

1.If there is another call incoming during conversation, SOMEONE IS VISITING

DOOR 2 will display, click the icon can switch to another visiting .

2.You can transfer your call to other monitors in the system while talking with the visitor. If you want to transfer the call to others, click the can transfer the call. (The words TRANSFERRING TO OTHER ROOMS will display).

Talking volume/ adjust

At talking/intercom state. Click the icon to enter volume adjust screen, then click + or − to adjust the volume .

Brightness/color/contrast adjust

When the screen is on, click the icon to adjust the volume first , then click it again you can enter the BRIGHT/COLOR /CONT adjust screen,click + or − to adjust the brightness, color and contrast .

Monitor doorbells/CCTV camera

At standby state, click ⊞ to enter system main menu, then click the icon , you can view images from the connected doorbell/CCTV. Click the icon again you can switch to other monitor channels. When monitoring the doorbell, click the icon can change into (MUTE STATE). If the microphone is in normal state, click the icon can open the door.

If you have more than one monitor (up to 4 monitors) in your house, you can make below operations.

Internal call among monitors

If you make intercom request for all monitors. At standby state, click to enter system main menu, then click the icon to start this function. If you have more than 2 monitors connected together, you can click the target monitor NO. on the screen to confirm the calling.

Broadcast function

This function allows you to broadcast information for all monitors in your house. At standby state, click to enter system main menu, then click the icon , the screen will show BROADCAST REQUEST, the monitor in other rooms will show BROADCASTING . Now you can make a broadcast .

Monitor listening

To activate listening of another monitor, click to enter system main menu, then click the icon . If you have more than 2 indoor monitors, click the target monitor NO. on the screen to confirm.

Note:
a: When monitoring, the user can hear the sound from the being monitored room, but the people at the be-monitored intercom room can not hear the voice from monitoring intercom room.

b: Monitor listening function is available only when BE MONITORED function is enabled in the target monitor. Please check the system setting menu to see how to turn on the BE MONITORED function.

Image capturing

1.Automatic image capturing: ″Auto capture quantity″ should be set as 1,2 or 3 in the SYSTEM SETTINGS, The system can automatically take and save pictures when the visitors make calls.

2. Manual image capturing: When monitor is at answering and monitoring state, click the icon to capture images manually. The words IMAGE CAPTURED will show on the screen.

DVR function

Automatic DVR function :Enable DVR in SYSTEM SETTINGS --> DVR SETTINGS to activate that function. You can record video from any doorbell or CCTV camera in your system at set time.

Note: (a) Sound doesn't record in DVR function.

(b)To act DVR function well, pls use the micro SD with capacity 8G.

(c)To get high quality video, We kindly recommend resolution of 640*480.

(d) When the start time and the end time are set as the same time ,the DVR function will active in 24 hours immediately and last forever.

(g)For detail information of DVR function, please refer to P23,24.

Manual video recording

When at the answering and monitoring state, click the icon to record video manually. Click the icon again to end the recording.

Note: View and manage video files. pls refer to P17.18.19.

Auto leaving message

This function let your visitors to leave a video message for you while nobody is at home. You should activate AUTO LEAVING MESSAGE function in the SYSTEM SETTINGS before leaving home. When the visitor presses call button on the door panel and nobody answers before the chime time ends, visitor can hear a voice“Hello, no one is at home at the moment, please leave a message after the tone” from the door panel and have 20 seconds to leave a message for you .

Note: View and manage messages and more operation, please refer to P17.18.19.

Family audio message

You can record audio message to your family. At standby state, Click to go to the system main menu, click the icon to enter message recording menu as Figure 1.

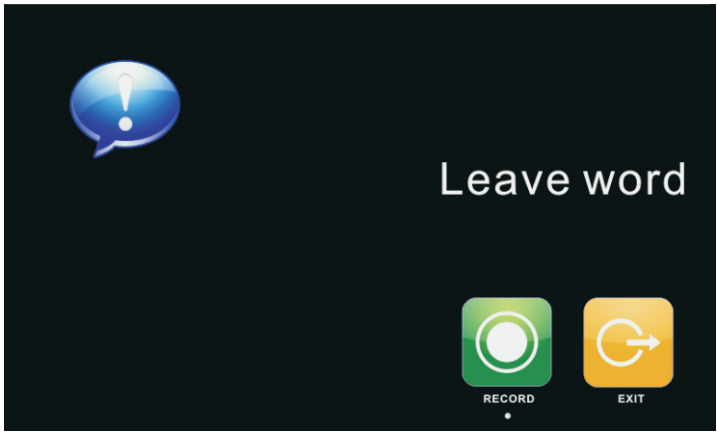


Figure 1

Click “RECORD” to start recording. When the recording finished, click “STOP” to stop recording. If your message was recorded successfully, then click”EXIT” to exit the recording menu.

Change attention for automatic answering function

When AUTO LEAVING MESSAGE is on, if nobody answers the call before chime time ends, the visitor will hear a voice attention message：no one is at home at the moment, please leave a message after the tone”? If the user wants to change this attention message（BEGINNING TONE）into their own sound， please take the following steps:

Go to the menu and record one audio message, then exit menu and enter menu as Figure 2.

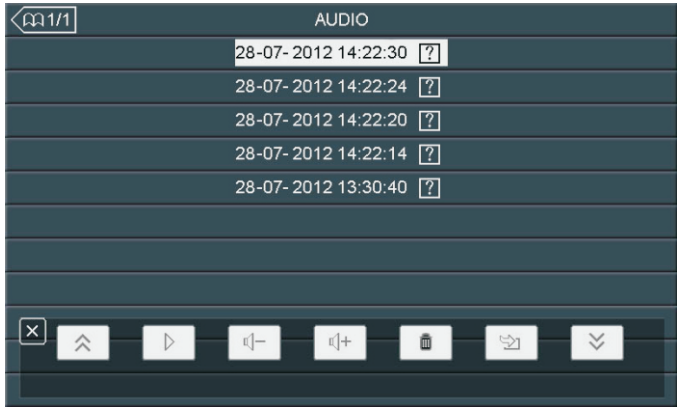


Figure 2

Click to choose the audio file you want to set as beginning tone, then click the icon(Tone setting) to “CONFIG ATTENTION TONE ” menu as Figure 3.

Figure 3

Click the TONE TYPE to change the option to be USER TONE. Then click the PLAY TYPE to change the value to be BEGINNING TONE .Also you can adjust the attention tone volume. If you finished the above operation, click ACT to confirm the setting. Same operation to change the ENDING TONE.

Alarm clock and electronic calendar

1.Pls enable ALARM CLOCK SETTING in the SYSTEM SETTINGS.

2.At the set time, you can turn off the alarm by clicking the chime icon at the left corner of the screen.

3.When Figure 4 displays on the screen, click the alarm clock (The left corner) and the display time (The right corner), you can set the alarm clock and calendar in the shortcut way.

4.Please refer to P25.26 for detailed settings.

Figure 4

View photo , video ,DVR and multimedia file

At standby state, press ⊞ button to go to system main menu. If you have unread files, there will be a number on the right corner of the icon with red color, the number is the unread files' quantity. All files names consists of the date and time it was created, for example: 01-02-2012-02- 11:30:20,means that files was created on 11:30:20,Feb, 1 st,2012. So it's very convenient for you to know the recording time and tell the different files.

1.View photo: click the icon to view image files ,click the file's name then you can see image as Figure 5.

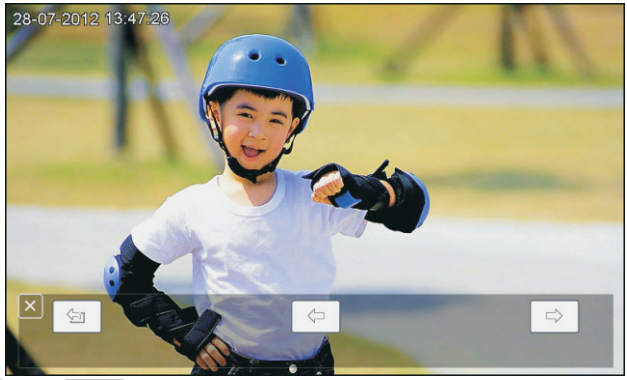


Figure 5

Click the or icon to view the images.The image will automatically change in every 5 seconds. If you want to exit , click the icon can return to the last menu.

2.Review video :click to enter the video list , select the video file to enter Figure 6.

Figure 6

Return	Last video	Speed down	Play/ Pause	Speed up	Volume decrease	Volume increase	Next video

You can click the related icon to play the video, click the icon to exit .

3.Play DVR :click the icon to enter DVR files. The operation steps is the same above (Review video).

4.View multimedia files: click the icon to review multimedia files. You can review pictures and play music follow the above steps(Review photo).

Note: When there is no micro SD card inserted ,you can review the pictures in the internal flash, if a micro SD card inserted , you can view the pictures saved in the micro SD card.

Delete single file or folder

If you want to delete a file or folder, you can select the single file or folder in the list, then click the icon(Delete) to enter the screen as Figure 7:

Figure 7

Click DELETE to delete the selected file or folder.

Note: same operation to delete image, audio and DVR files.

Multimedia menu

Pic	Functions	Notes
	Review/delete captured images.	If there are new/unread images, there will be a NO. on the right corner of the icon
	Review/delete recorded videos.	If there are new/unread videos, there will be a NO. on the right corner of the icon
	Review/delete recored DVR files.	
	View/delete the pictures stored in TF card. Listen/delete the music files stored in TF card.	
	View/delete the recorded audio files. Change the attention tones to user's own sound.	If there are new/unread audios, there will be a NO. on the right corner of the icon
	Record audios.	

2.Shortcut menu

Pic	Functions	Notes
	Calendar	Electronic calendar display
	Doorbell monitoring	Choose to enter doorbell monitoring state
	Call transfer	Enter call transfer state
	Broadcast	Make broadcast to others
	Monitor listening	Enter monitor listening state
	System settings	Enter system settings

System setting

When enter the system main menu, click to go to the system settings menu as figure9,10,11.

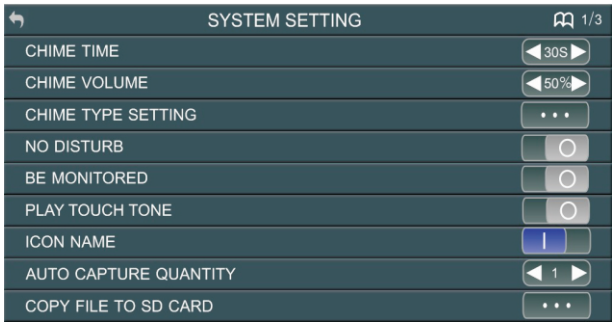


Figure9

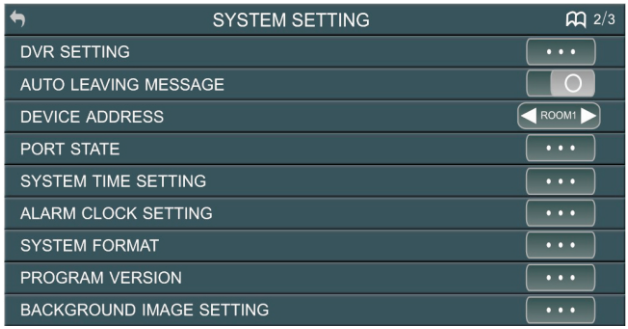


Figure10

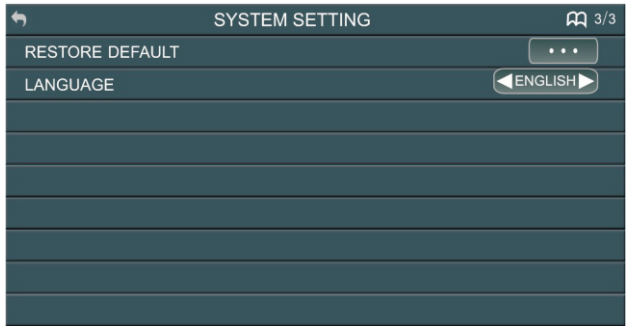


Figure11

No.	Setting items	Options	Note
1-1	CHIME TIME	10S/15S/20S/25S/30S/35S /40S/45S /50S/55S /60S	Chime duration time
1-2	CHIME VOLUME	10~100%	
1-3	CHIME TYPE SETTING	DOOR1 CHIME TYPE	00 - 07
		DOOR2 CHIME TYPE	
		INTERCOM CHIME TYPE	
		RINGE TONE REPEAT	Ring tone will repeat when the option is
1-4	NO DISTURB		
			The indoor monitor will be mute once someone presses doorbells/makes internal call/broadcast.

No.	Setting items	Options	Note
1-5	BE MONITORED		
1.6	PLAY TOUCH TONE		
1-7	ICON NAME		No icon names displayed on the screen
			The icon names will display on the screen
1-8	AUTO CAPTURE QUANTITY	DISABLE	Do not capturing images automatically
		1	Automatically capturing 1 image
		2	Automatically capturing 2 images
		3	Automatically capturing 3 images
1-9	COPY FILE TO SD CARD	CANCEL	
		COPY	
2-1	DVR SETTING	DVR ENABLE	
		MOTION DETECTION SENSITIVITY	
		BEGIN TIME	DVR starts working.
		END TIME	DVR ends working.
		FRAME RATE	
		RESOLUTION	
		SCREEN SAVER TIME	
		RECORD LOCATION	

No.	Setting items	Options	Note
2-1-1	DVR ENALBE		The DVR will start working at the BEGIN TIME.
2-1-2	MOTION DETECTION SENSITIVITY		It means whether the motion detection is start or sensitivity
		LOW	
		NORMARL	
		HIGH	
2-1-3	BEGIN TIME	HOUR:MINUTER	
2-1-4	END TIME	HOUR:MINUTER	.
2-1-5	FRAME RATE	1/2/5/10 FRAME/S	Related with micro SD card capacity
2-1-6	RESOLUTION	320*240	Related with micro SD card capacity
		640*480	
2-1-7	RECORD LOCATION	DOOR1	
		DOOR2(optional)	
		CCTV1(optional)	
		CCTV2(optional)	
2-1-8	SCREEN SAVER TIME	NEVER/01/02/03/04/ 05/10/15/20/25/30/35 /40/45/50/55/60MIN	The screen will be off when the set screen saver time arrives.
2-2	AUTO LEAVING MESSAGE		
2-3	DEVICE ADDRESS	ROOM1/2/3/4	The option will be red if two monitors set the same address
2-4	PORT STATE	PORT2 STATE	
		Door 2/CCTV3	
		CCTV1	
		CCTV2	

No.	Setting items	Options	Note
2-5	SYSTEM TIME SETTING	DATE: DAY-MONTH-YEAR	
		TIME: HOUR:MINUTE:SECOND	
2-6	ALARM CLOCK SETTING	ALARM CLOCK 1	1. Each alarm clock can be set separately. 2. Since set time, it will alarm every 50 seconds till you turn the alarm clock off by press menu key
		ALARM CLOCK 2	
		ALARM CLOCK 3	
		ALARM CLOCK 4	
		ALARM CLOCK 5	
		ALARM CLOCK6	
		ALARM CLOCK CHIME TYPE	00 - 07
2-6-1	SET ALARM CLOCK1/2/3/4/5	STATE	
		CYCLE TYPE	4 types available: SINGLE/WEEK/MONTH/YEAR
		WEEK SELECT	Only valid at Week Type.
		TIME	
		DATE	
2-6-1-1	STATE		
			The alarm will trigger at the set time.

No.	Setting items	Options	Note
2-6-1-2	CYCLE TYPE	SINGLE	
		WEEK	
		MONTH	
		YEAR	
2-6-1-3	WEEK SELECT	SUNDAY	You can set each day's state as enable/disable to create an alarm group you like.
		MONDAY	
		TUESDAY	
		WEDNESDAY	
		THURSDAY	
		FRIDAY	
		SATURDAY	
2-6-1-4	TIME	HOUR:MINUTE	
2-6-1-5	DATE	YEAR-MONTH-DAY	At Single Type, YEAR, MONTH and DAY are all valid; at Week Type, all options are invalid; at Month Type, only DAY is valid; at year type, only MONTH and DAY are valid.
2-7	SYSTEM FORMAT	FORMAT FLASH	
		FORMAT SD CARD	
2-8	PROGRAM VERSION		
2-9	BACKGROUND IMAGE SETTING	PICTURE1; COLOR1/2/3/4/5/6/7	
3-1	RESTORE DEFAULT	CANCEL	
		RESTORE	
3-2	LANGUAGE		

Parameters of picture capturing, video recording and DVR

Picture capturing function

Storage location	Resolution ratio	Pictures quantity
Internal flash	320*240	Over 64 pcs
External micro SD card	640*480	Depends on the capacity of micro SD card

Video Recording Function

micro SD card capacity	Resolution ratio	Frame rate
1G	320*240	2
2G	320*240	5
4G	320*240	10
>=8G	640*480	10

DVR Function

micro SD card capacity	Resolution ratio	Frame rate	Continuous video recording time
<2G	No DVR function		
2G	320*240	1	Over 24 hours
4G	320*240	1, 2, 5	When setting frame rate to 1, over 48 hours
8G	320*240	1, 2, 5, 10	When setting frame rate to 1, over 96 hours
>=16G	320*240 or 640*480	1, 2, 5, 10	When setting frame rate to 1, and Resolution of 320*240, over 192 hours

Note:(a)Video recording time shall be different when the recording content is different.(In the worst situation, a 2G card can record pictures of 320*240 resolution ratio at 1 frame per second for 28 hours; In the best situation, the recording time can be over 72 hours.)

(b)If users record the system tone in their own language , we suggest the duration time be less than 20 seconds, otherwise, when the system format micro SD card, the files would be deleted.

Specification

No.	Item	Content
1	Power source	DC15V
2	Power consumption	9W(Max), 1W(In standby)
3	Operation temperature	0℃ to + 50℃
4	Operation humidity	0% to 95%
5	Display Panel	7 inch
6	Intercom function	Hands-free
7	Connection	4 wires
8	Dimension	185mm*127.5mm*18mm
9	Weight	385g

The parameters of product are subject to changes without prior notice.