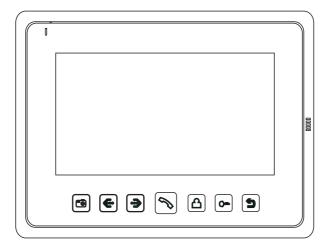
# **COLOR VIDEO DOOR PHONE**

## **USER MANUAL**



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

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## 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.

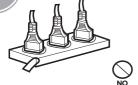


It indicates dos and don'ts.

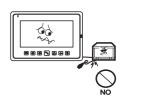


It indicates that the plug should be pulled out from the









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.







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.

cord from the socket.
If the cord is damaged, it
may cause a fire or an
electric shock.



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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.



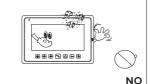
It indicates dos and don'ts.

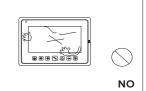


It indicates that the plug should be pulled out from the socket.









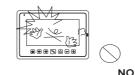
If the socket holes are larger than normal, do not put the plug.

It may cause an electric shock or a fire.

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

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





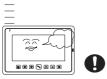


Do not put a heavy object on the product.

It may cause a breakdown.

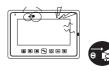
Do not disassemble to the product.

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









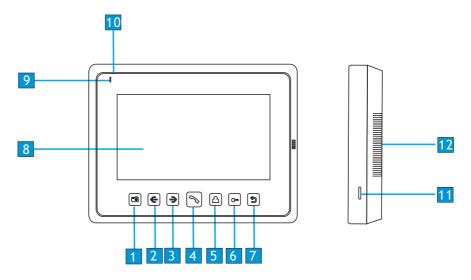
Install the product in a flat and stable place.

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 Commax service center.

# The function and name of each part



No.	Item	Function description
1	Menu key	Enter system menu
2	Left key	Adjust -/Brightness/Color/Contrast/Volume/Change options
3	Right key	Adjust -/Brightness/Color/Contrast/Volume/Change options
4	Answer key	Answer/Make internal call
5	Monitor key	Monitor doorbell/CCTV
6	Unlock key	
7	Return key	Return/Hang up
8	LCD	
9	Indicator	Indicate the state of the system
10	Microphone	
11	TF card slot	

## Features and main function

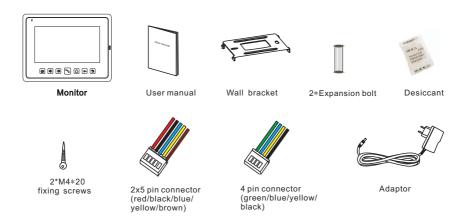
#### 1.Features

- 7" color digital LCD
- Touch buttons
- Hands free design, perfect intercom with clear voice
- Surface-mounted
- 4 -wire connection
- Simple operation

#### 2. Main function

- Lock control
- Support TF card
- "Don't disturb" function
- Broadcast function
- Monitor listening
- Simple DVR function with motion detection
- Auto leaving message
- Video & audio recording
- Picture taking with internal flash or TF card
- Multimedia function: photo frame, music playing
- Brightness, contrast and color adjustable
- Alarm clock and calendar
- Real-time monitoring to doorbell or CCTV camera
- Make internal call to other monitors

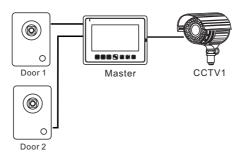
## Package contents



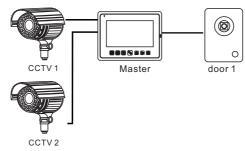
## System layout

#### 1. The port 3 connect CCTV camera

(a)Port 2 connect door panel. The system can maximum support 2 door panels and 1 CCTV camera.

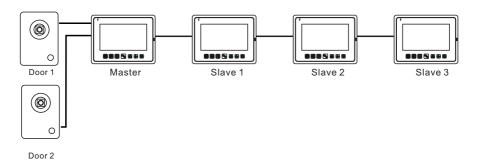


(b)Port 2 connect CCTV camera. The system can maximum support 1 door panel and 2 CCTV cameras.

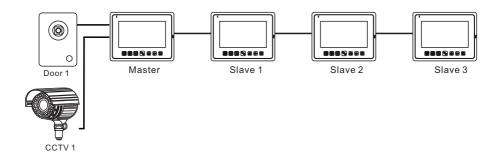


#### 2. The port 3 connect the slave machine

(a)Port 2 connect door panel. The system can maximum support 1 master monitor, 2 door panels and 3 slave monitors.

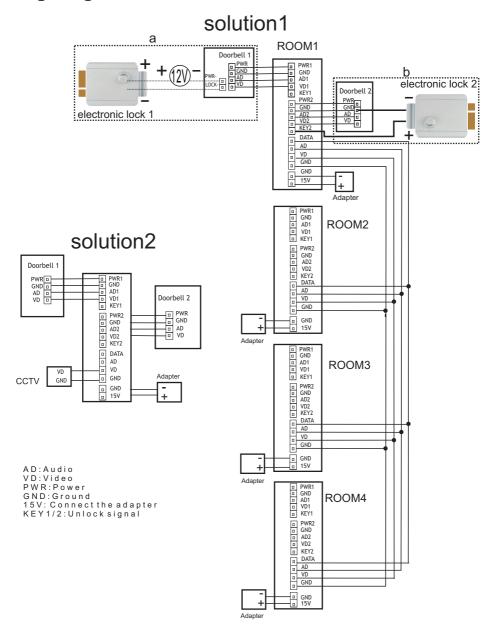


(b)Port 2 connect CCTV camera. The system can maximum support 1master monitor , 1 door panel ,1CCTV camera and 3 slave monitors .



Note: Based on the actual usage ,pleaae refer P24 set the port2/3 state.

## Wiring diagram



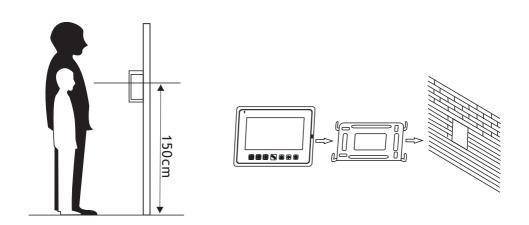
**Note**: (a)Door panel unlock wiring: electronic lock 1+external power supply. (b)Indoor monitor unlock wiring: electronic2+bold black cable part.

# Wiring diagram

#### solution4 Doorbell 1 D PWR1 D GND D AD1 D VD1 D KEY1 PWR DAME OF THE PWR DAME OF TH CCTV 1 D PWR2 D GND D AD2 D VD2 D KEY2 DATA D AD D VD D GND DATA Adapter GND □ GND □ 15V solution3 PWR1 0 GND 0 AD1 0 VD1 0 KEY1 0 Slave 1 Doorbell 1 PWR2 0 GND 0 AD2 0 VD2 0 KEY2 0 PWR O GND O AD O VD O PWR1 GND AD1 VD1 0 0 0 DATA D KEY1 CCTV2 D PWR2 D GND D AD2 D VD2 D KEY2 VD GND D GND Adapter ╂╗ VD 15V D DATA CCTV1 PWR1 0 GND 0 AD1 0 VD1 0 KEY1 0 VD GND 0 VD Slave 2 Adapter GND GND PWR2 0 GND 0 AD2 0 VD2 0 KEY2 0 15V DATA VD GND Adapter GND 0 150 PWR1 0 GND 0 AD1 0 VD1 0 KEY1 0 Slave 3 PWR2 0 GND 0 AD2 0 VD2 0 KEY2 0 DATA AD D GND D Adapter GND \_ 15V a

## Installation method

- 1.Refer to relevant wiring diagram for the system you have chosen and ensure you have the correct cable.
- 2. Determine Monitor positions and heights:
  - -suggest to install at 1.5~1.6Meters;
  - -suggest distance between indoor monitor and doorbell is at least 350 mm;
- 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

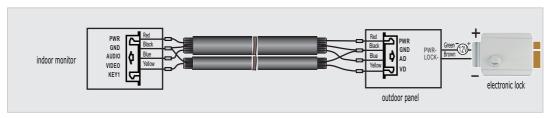
Our system has 2 solutions to unlock the door: Unlock signal from doorbell or unlock signal from monitor. (The cable shield wire needs to be grounded)

When signal from the doorbell, cable specification is:

• Distance between monitor and door station is less than 30 meters, shielded 4\*0.5 mm² cable is available:



 Distance exceed 30 meters, please choose professional cable SYV-75-3+RVVP 2\*0. 5mm² (recommend);



When signal is from monitor, cable specification is:

 Distance between monitor and door station is less than 30 meters, shielded 6\*0.5mm² cable is available;



 Distance exceed 30 meters, please choose professional cable SYV-75-3+RVVP 4\*0.5mm² (recommend).



## Incoming call answer

When a visitor presses doorbell, all the indoor monitors in this house will chime simultaneously, the screen will show INCOMING CALL. Press to talk with the visitor(talk time is 60 seconds). If you want to unlock the door for the visitor, press button, then DOOR UNLOCKED will show on the screen.

1.If there is another call incoming during conversation ,SOMEONE IS VISITING DOOR 2 will display, press 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, press can transfer the call. (The words TRANSFERRING TO OTHER ROOMS will display).

## Talking volume adjust

At talking/intercom state, press or button to enter the talking adjustment screen. The talking volume value will show on the screen. If you want to mute the microphone, press and hold the button for 2 seconds, MUTE sign will appear on the screen. To turn the microphone on ,operate the button in the same way.

## Brightness/contrast/ color adjust

When screen is on, press or button to enter the adjust screen.

Then press button can switch to BRIGHT, CONT and COLOR adjust screen, press or to adjust the brightness, contrast and color.

## Monitor doorbells/CCTV cameras

At standby state, press button, view images from the connected doorbell/CCTV, press again, you can switch to other channels.

When monitoring the doorbell, press, you can talk with the visitor in front of the door, press again to open the door.

# Convert image display scale between 16:9 and 4:3

Defaulted screen format is 16:9.

Sometimes, when you view images, CCTV cameras or when you talk with the visitor, the images are full screen display. Press and hold the button for 2 seconds to convert the image display scale between 16:9 and 4:3.

#### "Don't disturb" function

If you want to disable chime sound on the monitor, press and hold the buttor for 2 seconds at standby state. "DO NOT DISTURB ENABLE" will show on the screen, and then the LED indicator will flickers - it means "Don't disturb" mode is active. If you want to disable "Don't disturb" mode, operate in the same way, "DO NOT DISTURB DISABLE" will show on the screen. The LED indicator will keep light - it means "Don't disturb" mode is disabled. Also you can use SYSTEM SETTINGS menu to turn DO NOT DISTURB on or off.

Note: If this function enabled, there will be no chime during call incoming, intercom, broadcast, and the buttons will keep light at the same time.

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 other monitors, press at standby state.

If you have more than 2 monitors connected together, you can press or to choose the target monitor NO. on the screen, then press button to confirm the calling.

## **Broadcast function**

This function allows you to broadcast information for all monitors in your house.

To make broadcast, press and hold the button for 2 seconds, the screen will show BROADCAST REQUEST, the monitor in other rooms will show BROADCASTING. Now you can make broadcast to all other monitors. Press to end broadcast request.

## **Monitor listening**

At standby state, press and hold button for 2 seconds to active monitor listening to another monitor. if you have more than 2 indoor monitors, you can press or to choose the target monitor NO. on the screen, then press button to confirm. Display of your monitor will show "LISTENING TO OTHER". The maximum monitor listening time is 8 hours.

Note: CAN BE MONITORED function should be enabled in SYSTEM SETTINGS of the target monitor. If you want to deny listening of your monitor from another monitors, disable CAN BE MONITORED function in the system.

## Capture images

- 1. Automatic image capturing: " Auto capture quantity "should be set as 1,2 or 3 in the system setting. The system can automatically take and save pictures when the doorbell calls.
- 2.Manual image capturing: When at answering and monitoring state, press button to capture images manually before answer. The words IMAGES CAPTURED will show on the screen.

## **DVR** function

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

Note: (a) If set MOTION DETECTION SENSITIVITY to be LOW/NORMAL/ HIGH, the system will record only when motion detected and last for 10 minutes after that, then it will stop recording until another motion detected.

- (b) Sound doesn't record in DVR function.
- (c) DVR function can not work when the TF card is less than 2G, for 2G TF card, it can only work at 1 frame/second with resolution of 320\*240. For longest recording time and other parameters. Please refer to P27.

- (d) To act DVR function well, pls use the TF card with capacity of no less than 8G.
- (e) To get high quality video, We kindly recommend user setup 640\*480 resolution.
- (f)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.
- (f)For detail information of DVR function, please refer to P20.23.24.

## Manual video recording

When at the answering and monitoring state, press and hold the button for 2 seconds to record video manually, press button again to end the recording. Note: View and manage video files, pls refer to P18.19.

## 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 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 P18.19.

## Family audio message

You can record audio message to your family, press and hold the button for 2 seconds to enter the system main menu, press or to move the cursor to , press to enter the message recording menu as Figure 1.

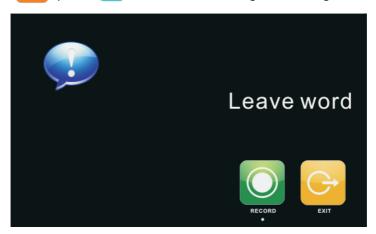


Figure 1

Choose "RECORD" to start recording. When the recording finished, press the button again to stop recording. If your message was recorded successfully, then choose "EXIT" to exit the recording menu.

Note: View and manage messages, please refer to P18,19.

# Change attention message for AUTO LEAVING MENSSAGE 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 menu and record one audio message, then exit record menu and enter menu. Choose the audio file you want to set as beginning tone, press and hold the button for 2 seconds to enter "CONFIG ATTENTION TONE" menu as Figure 2.



Figure 2

Choose the TONE TYPE to change the option to be USER TONE, then choose the PLAY TYPE to change the option to be BEGINNING TONE. Also you can adjust the attention tone volume. If you finished the above operation, press or or to choose ACT to confirm the setting. Same operation to change the ENDING TONE.

### Alarm clock

Press button to main menu, select menu to enable ALARM CLOCK SETTING. Since set time, it will alarm every 50 seconds till you turn the alarm clock off by press button. Refer to P25.26 for detailed settings.

## View photo, video, DVR and audio files

1.In standby state, press button 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. Press or button to choose the target icon. Then press 6 button to enter the related menu to review. Note: All files names consists of the date and time it was created, for example: 2012-02-01 11:30:20, means that files was created on 11:30:20, Feb, 1st, 2012. So it's very convenient for you to know the record time and tell the different files. 2. You can manage the files as below operations: (a)Adjust volume when playing audio /video/DVR file: press and hold for 2 seconds, the present volume value will show on the screen, press to adjust the volume. (Volume can be adjust from 0 to 10.) (b) Speed up playing video /DVR file: press and hold button for 2 seconds, the playing will be speed up to  $2\sim 32\times$  mode. At  $32\times$  mode, press again, it will return to normal playing speed. (Same operation to speed down by pressing (c)Make pause when playing video/DVR file: press button, and the video will pause. And if you want to continue playing the video, press

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

button it will return to normal playing speed.

## Delete singe file or folder

At standby state, press to enter system main menu, press or to move the cursor to the target icon. If you want to delete a file or folder, you can select the single file or folder in the list, press and hold the button for 2 seconds to enter the screen as Figure 3.



Figure 3

Press or to choose DELETE, press to delete the selected file or folder.

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

## System main menu

At standby state, press and hold the button for 2 seconds to enter the system main menu as Figure 4.



Figure 4

#### Multimedia menu

Pic	Functions	Notes
P	Review/delete captured images.	If there are new/unread images, there will be a NO. on the right comer of the icon.
	Review/delete recorded videos.	If there are new/unread images, there will be a NO. on the right comer of the icon
	Review/deleterecorded DVR files.	
O	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 images, there will be a NO. on the right corner of the icon.
•	Record audios.	

#### 2. Shortcut menu

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

# System settings

At standby state, press and hold the button for 2 seconds to enter main menu, select to the system settings menu as figure 5,6.



Figure 5



Figure6

No.	Setting items	Options		Note
1-1	CHIME TIME	10S/15S/20S/29 S/35S /40S/45S /50S/55S /60S		Chime duration time
1-2	CHIME VOLUME	10%~100%		
1-3	CHIME TYPE SETTING	TYPE	CHIME	00 -07  Ring tone will repeat when the option is
1-4	NO DISTURB	X		The indoor monitor will be mute once someone presses doorbells/makes internal call/broadcast.

No.	Setting items	Options	Note
1-5	BE MONITORED	X	
10	DE MONTONES		
4.0	IOON NAME	$\times$	No icon names displayed on the screen
1-6	ICON NAME		The icon names will display on the screen
	ALITO CARTURE	DISABLE	Do not capturing images automatically
1-7	AUTO CAPTURE QUANTITY	1	Automatically capturing 1 image
	QUANTITY	2	Automatically capturing 2 images
		3	Automatically capturing 3 images
1-8	COPY FILE TO SD	CANCEL	
1-0	CARD	COPY	
		DVR ENABLE	
		MOTION	
		DETECTION	
		SENSITIVITY	
		BEGIN TIME	DVR starts working.
1-9	DVR SETTING	END TIME	DVR ends working.
10	BVKOZIIIKO	FRAME RATE	
		RESOLUTION	
		SCREEN SAVER	
		TIME	
		RECORD	
		LOCATION	
		./	The DVR will start working at the
1-9-1	DVR ENALBE		BEGIN TIME.
		$\times$	

No.	Setting items	Options	Note
1-9-2	MOTION DETECTION SENSITIVITY	LOW NORMARL	It means whether the motion detection is start or sensitivity
1-9-3	BEGIN TIME	HOUR:MINUTE	
1-9-4	END TIME	HOUR:MINUTE	
1-9-5	FRAME RATE	1/2/5/10 FRAME/S	Related with TF card capacity,P28
1-9-6	RESOLUTION	320*240 640*480	Related with TF card capacity,P28
1-9-7	RECORD LOCATION	DOOR1  DOOR2(optional)  CCTV1(optional)  CCTV2(optional)	
1-9-8	SCREENSAVE R TIME	NEVER/05/10/15/20/ 25/30/35/40/45/50/55 /60MIN	The screen will be off when the set screen saver time arrives.
1-10	AUTO LEAVING MESSAGE	X	
1-11	DEVICE ADDRESS	ROOM1/2/3/4	The option will be red if two monitors set the same address
		PORT2 STATE	Can be Door2,CCTV1or CCTV2
2-1 PC	PORT STATE	PORT3 STATE	
		CCTV1/DOOR2	

No.	Setting items	Options	Note
		DATE:	
	SYSTEM TIME	YEAR-MONTH-DAY	
2-2	SETTING	TIME:	
	SETTING	HOUR:MINUTE:SEC	
		OND	
		ALARM CLOCK 1	1. Each alarm clock can be set
		ALARM CLOCK 2	
	ALARM	ALARM CLOCK 3	separately.  2. Since set time, it will alarm
2-3	CLOCK	ALARM CLOCK 4	every 50 seconds till you turn the
2-3	SETTING	ALARM CLOCK 5	alarm clock off by press menu key
	SETTING	ALARM CLOCK6	alaim clock on by press mend key
		ALARM CLOCK	00 - 07
		CHIME TYPE	00 - 07
		STATE	X
	SET ALARM	STATE	
2-3-1	CLOCK1/2/3/4/	CYCLE TYPE	4 types available:
	5	CICLETIFE	SINGLE/WEEK/MONTH/YEAR
		WEEK SELECT	Only valid at Week Type.
		TIME	
		DATE	
0044	07475	$\times$	
2-3-1-1	1 STATE		The alarm will trigger at the set
			time.

No.	Setting items	Options	Note
		SINGLE	Alarm once at the set time.
		WEEK	Alarm on the chosen days every week.
2-3-1-2	CYCLE TYPE	MONTH	Alarm on the chosen day every month.
		YEAR	Alarm on the chosen day every year.
		SUNDAY	
		MONDAY	
	MEEK	TUESDAY	You can set each day's state as
2-3-1-3	WEEK   SELECT	WEDNESDAY	enable/disable to create an alarm
	SELECT	THURSDAY	group you like.
		FRIDAY	
		SATURDAY	
2-3-1-4	TIME	HOUR:MINUTE	
2-3-1-5	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.
	SYSTEM	FORMAT FLASH	
2-4	FORMAT	FORMAT SD CARD	
2-5	PROGRAM VERSION		
2-6	BACKGROUN D IMAGE SETTING	PICTURE1/2/3/4; COLOR1/2/3/4/5/6/7	
2-7	RESTORE	CANCEL	
2-1	DEFAULT	RESTORE	
2-8	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 TF card	640*480	Depends on the capacity of TF card

#### Video Recording Function

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

#### **DVR** Function

TF c ard 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, 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 and copy it into the TF card, we suggest the duration time be less than 20 seconds, otherwise, when the system format TF card, the files would be deleted.

## **Specification**

No.	Item	Content	
1	operation power	DC 15V,1A	
2	Power consumption	450mA(Max), 80mA(In standby)	
3	Adapter input	Input AC100-240V , 50/60 Hz	
4	Adapter output	DC15V 1A	
5	Operation temperature	0 °C to + 40 °C	
6	Operation humidity	0%~95%	
7	Display Panel	7 inch	
8	Intercom function	Hands-free	
9	Connection	4 wires (RVVP 4*0.5mm )	
10	Dimension	210mm*160mm*21mm	
11	Weight	510g	
12	Unlock control	DC 12V electronic lock	

