

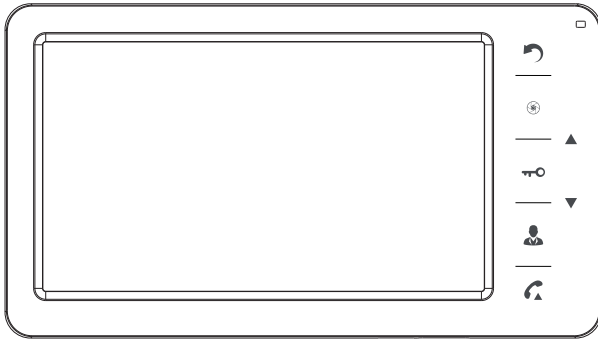
User Manual

Video Door Phone System
VDPI-B2

Version:2018

COLOR VIDEO DOOR PHONE(VDPI-B2)

USER MANUAL



- Thank you for purchasing our products.
- The products are subject to change without prior notice.
- 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 a product and follow instructions to use a product exactly.

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	7
Cable specification	8
Functions in common use	9
The optional functions	11
System setting	13
Parameters of picture capturing function	15
Specification	15

1. 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

<p>Do not put the plug in the socket simultaneously. It may generate abnormal heat or cause a fire.</p>	<p>Do not connect to other products while in use. It may cause breakdown.</p>	<p>Do not forcibly bend the cord or put a heavy object on the product. It may cause a fire.</p>
<p>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.</p>	<p>Do not install the product in a humid place. It may cause an electric shock or a fire.</p>	<p>Do not forcibly pull out the cord from the socket. If the cord is damaged, it may cause a fire or an electric shock.</p>
<p>Do not put the plug in the socket with a wet hand. It may cause an electric shock.</p>	<p>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.</p>	<p>Do not use AC circuit breaker. It may cause an electric shock.</p>



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.

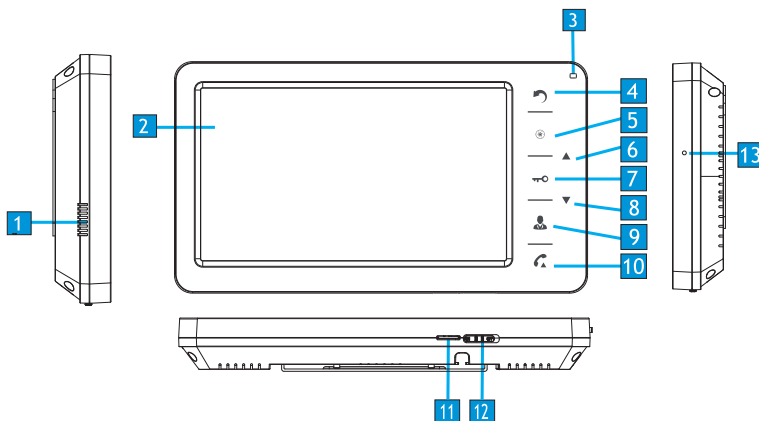


It indicates that the plug should be pulled out from the socket.

CAUTION

<p style="text-align: right;">NO</p>	<p style="text-align: right;">NO</p>	<p style="text-align: right;">NO</p>
<p>If the socket holes are larger than normal, do not put the plug. It may cause an electric shock or a fire.</p>	<p>Make sure that dust or foreign substances are not gathered on the product.</p>	<p>Make sure to prevent foreign substances from entering the product. It may cause a breakdown.</p>
<p style="text-align: right;">!</p>	<p style="text-align: right;">NO</p>	<p style="text-align: right;">!</p>
<p>Do not put a heavy object on the product. It may cause a breakdown.</p>	<p>Do not disassemble or give an impact to the product.</p>	<p>Avoid direct rays of the sun or heating devices at a time of installation.</p>
<p style="text-align: right;">!</p>		
<p>Install the product in a flat and stable place. Otherwise, it may not function properly.</p>	<p>Pull the plug if the product is not used for a long time.</p>	<p>If the product generates strange sound, make sure to pull the plug immediately and contact service center.</p>

2. The function and name of each part



No.	Item	Function description
1	Speaker	
2	LCD	
3	Indicator	Indicate the state of the system
4	Return button	Return/Hang up/Calendar
5	Photograph button	Enter main menu, take photo
6	Up button	Choose/Adjust
7	Unlock button	
8	Down button	Choose/Adjust
9	Monitor button	Monitor door station/CCTV camera
10	Answer button	Answer/Call transfer
11	Micro SD card slot	
12	Switch	Power on/off
13	Microphone	

3. Features and main function

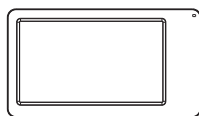
1).Features

- 7" color digital LCD, high -definition
- Hands free design, perfect intercom with clear voice
- Comfortable mechanical buttons
- OSD menu with multi-languages
- 8 polyphonic ring-tones switch freely
- Maximum support 2 door stations+4 indoor monitors

2).Main functions

- Lock control
- Alarm clock
- Photo frame
- Music playing
- Monitor listening
- “Don’t disturb” function
- Broadcasting/Intercom call
- Picture taking & picture browsing
- Auto taking picture(s) when visitor presses door station
- Maximum store about 60pcs photos when SD card not inserted
- Call transfer to other indoor monitors
- Real-time monitoring to door station or CCTV camera
- Brightness, contrast, talk volume and color adjustable.

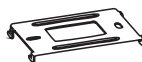
4. Package contents



Monitor



User manual



Wall bracket



2*Expansion bolt



Desiccant



2*M4*20
fixing screws



2x5 pin connector
(red/blue/yellow/
white/brown)



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



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

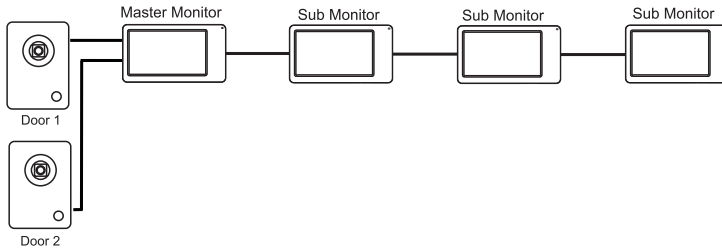


Adaptor
(optional)

5. System layout

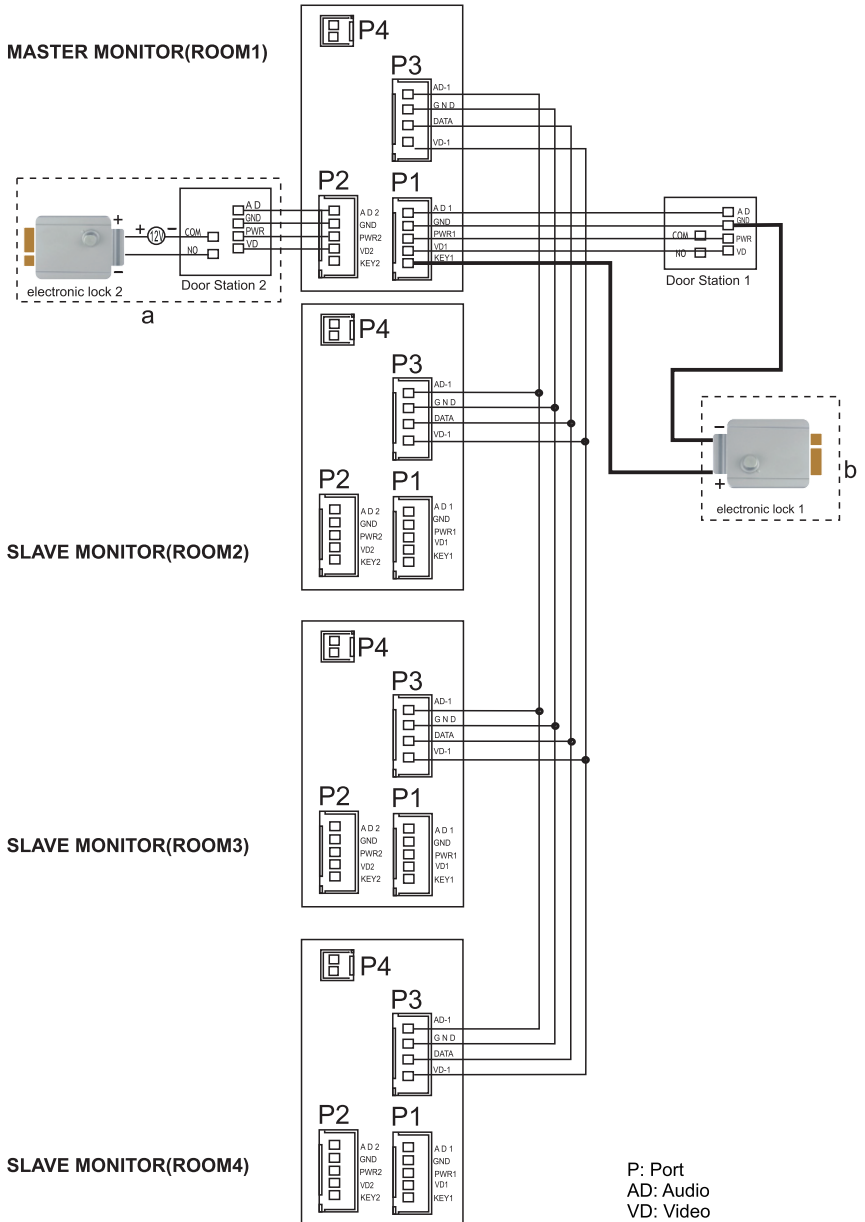
1).Connecting 2 door stations

The system can maximum support 1 master monitor ,2 door stations ,3 sub monitors.



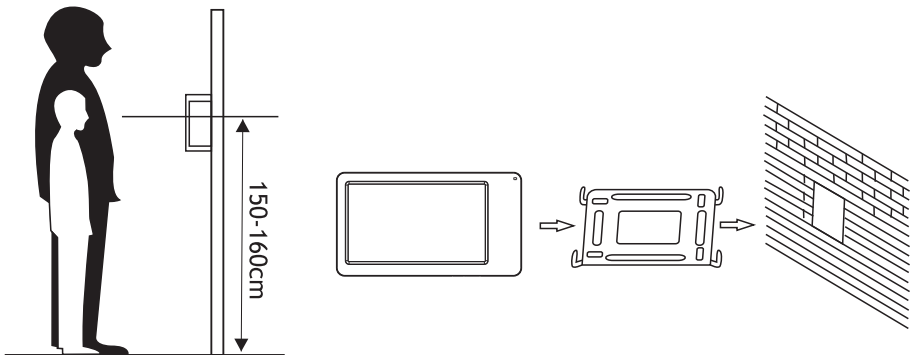
6.Wiring diagram

Solution1



7. Installation method

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

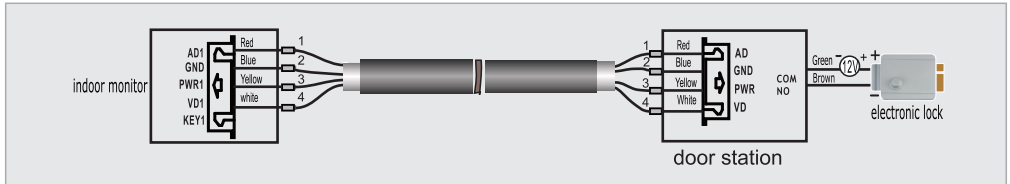


8.Cable specification

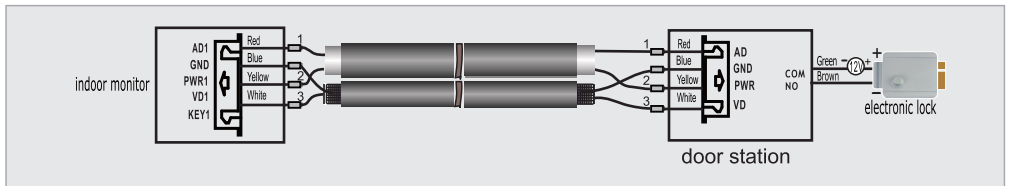
Our system has 2 solutions to unlock the door: Unlock signal from door station or unlock signal from monitor. (The cable shield wire needs to be grounded)

When signal from the door station, cable specification is:

- Distance between monitor and door station is less than 30 meters, 4-core cable RVV4*0.5MM² is recommended;

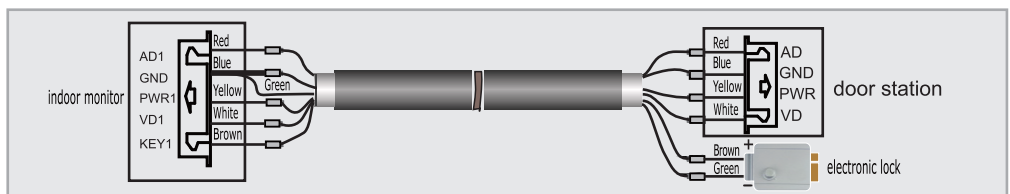


- Distance exceed 30 meters, please choose coaxial-cable SYV-75-3 and 2-core cable RVV2*0.5mm² (recommend);

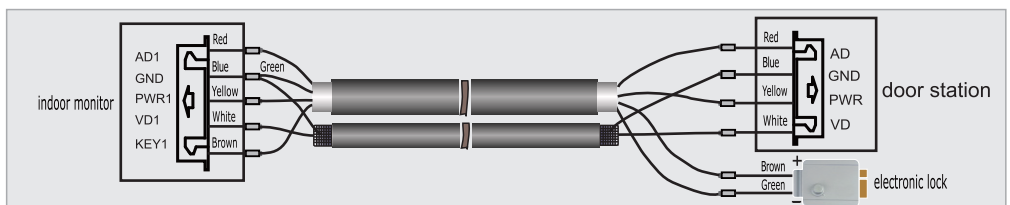


When signal is from monitor, cable specification is:

- Distance between monitor and door station is less than 30 meters, 6-core cable RVV 6x0.5mm² cable is OK;





- Distance exceed 30 meters, please choose coaxial-cable SYV-75-3 and 4-core cable RVV4*0.5mm² (recommend).





10. Functions in common use


1). How to answer the call and transfer the call to other indoor monitors



When call from door station or other indoor monitor, the indoor monitor(s) will chime, short press  to answer the call. If no one answers, the monitor(s) shall be back to standby status after chime time end.

When the monitor is chiming, or when talk with visitor, short press  can unlock the door.

When talking with one door station, if some one calls at the other door station, the screen will show relevant indication, short press  can switch to talk with the other visitor.



When at talking status, short press  can transfer the call to other indoor monitors.


When at talking status, short press  will switch the screen to other video channel and keep monitoring status; while back to the previous video channel, the device will be back to talk status.

When at talking status, long press , the microphone will be disabled, long press  again can enable the microphone, screen will show relevant indication when doing the above operations.


The above operation is only valid in the present calling, the microphone shall be enabled automatically after the call ends.

2). How to use monitoring function



At standby status, short press  to monitor Door 1, short press  again can switch to another video channel.

When monitoring door station channel, short press  can talk to door station.

When talk with door station, short press  can unlock the door.


If enable MONITOR UNLOCK function in advanced setting, user can short press  to unlock the door when monitoring door station.

3). How to make internal call





At standby status, user can short press  to enter intercom call interface, then short press navigation button to choose call target, press  to confirm calling.

For indoor monitors installed in multi-apartment system, user can input target room no., then start calling. "0" is the address no. for management center.

4). How to make broadcast

At standby status, user can long press  to enter broadcast status directly. It shall broadcast to all indoor monitors in the system and could not choose broadcast target.

5). How to use the monitor listening function

At standby status, long press  to enter the monitor listening interface, then press  or  to choose the monitor listening target, press  to confirm monitor listening.

The maximum monitor listening time is 8 hours. And to use this function, the option "BE MONITORED" in system setting of the target monitor must be enabled.

REMARK:

- a. At monitor listening status, you can hear the voice from the opposite side, but they can't hear your voice.
- b. At broadcasting status, your voice can be heard by the opposite side, but you can't hear the voice from them.
- c. There must be at least 2 monitors in the system for functions 3), 4) and 5).

6). "Don't disturb" function

You can use SYSTEM SETTINGS menu to turn "NO DISTURB" function on or off.

Note: If this function enabled, the monitor will be mute when receive calls, and the LED indicator light is flicking.

REMARK:



The above functions 2), 3), 4), 5) and 6) can be operated in the main menu too.


7). How to set the address of indoor monitor.

The default address is Room1. Optional Room1~Room4. The master monitor which connects to door station directly, should be set as Room1.

If the system has 2 or more than 2 indoor monitors, can't set a same address in 2 monitors, or the system can't work normally & that option will caution in red color.

8). How to adjust the Volume, Brightness, Chrominance, contrast ratio and display scale.




At video display or audio play interface, user can short press  or  to adjust the volume or brightness.

At video display status, when adjust volume/brightness interface, short press  can switch to adjust other parameters interface: Volume, Brightness, Chrominance, contrast ratio & display scale.


9). How to enter main menu?


At standby status, press  to enter main menu.

10). How to enter system setting?

At standby status, go to system main menu, press  or  to move the cursor to SETTING icon, press  to enter system setting.

11). How to enter advanced settings?

To the models that do not installed in the multi-apartment system, users can enter advanced setting by the following way: Restart the monitor, and long press  at welcome screen.

To the models that connect in the multi-apartment system, there isn't welcome screen after restart monitor. The indicator shall flicker a few times after restart the monitor, long press , then the monitor shall enter advanced settings menu.

Remark:

Some changes in the advanced settings may cause risk, it's no recommend to change it casually.


11. The optional functions

12). How to browse pictures.

Go to the main menu, users can enter picture browsing interface from PHOTO icon.

On picture viewing interface, users can switch pictures by pressing ▲ or ▼ .

13). How to take pictures.

Manual picture taking: When there's video signal on screen, user can short press  to take a picture. The words IMAGE CAPTURED will show on the screen.

Automatically picture taking: "Auto capture quantity" should be set as 1,2 or 3 in the system settings. The system can automatically take and save pictures when visitors press the door station.

14). How to delete photos?

On photo files menu interface, users can enter delete interface by long pressing ▲ or ▼ .

15). How to use multimedia function?

The multimedia center can play music or pictures. The music files must be in MP3 format, and the picture files must be in JPG format.

The music files must be put in directory \MULTIMEDIA\MUSIC in the SD card, and picture files must be put in directory \MULTIMEDIA\PICTURE in the SD card, or the monitor can not find the files.


16). How to upgrade software?

For the models support SD card, users can upgrade the system to be the latest one if needed. And processes are as below:

Create a folder named UPGRADE in SD card, and copy the upgrade files into the folder.

2nd, create a txt file named KEY_UPGRADE.txt in the UPGRADE folder.

3rd, insert the SD card into the monitor.

4th, long press  at standby state, a system upgrade interface would appear, and users can confirm to upgrade it.

REMARK: Do not cut off power during upgrade process, or the system shall break down and can only be repaired by factory.

12. System setting

No.	Setting items	Options	Note
1	CHIME TIME	10S ~ 60S	Chime duration time
2	CHIME VOLUME	10% ~ 100%	
3	CHIME TYPE SETTING	DOOR1 CHIME TYPE	00-06 optionals
		DOOR2 CHIME TYPE	00-06 optionals
		INTERCOM CHIME TYPE	00-06 optionals
		RING TONE REPEAT	
4	NO DISTURB	Off by default	if turn on this function, Ring, intercom, broadcasting will be muted. Indicate LED will flash.
5	BE MONITORED	Off by default	If turn on this function, The monitor can be monitor listened by other monitors.
6	ICON NAME	On by default	Appear/disappear the icon names on main menu.
7	AUTO CAPTURE QUANTITY	DISABLE	
		1	Automatically capturing 1 image
		2	Automatically capturing 2 images
		3	Automatically capturing 3 images
8	COPY FILE TO SD CARD	CANCEL	
		COPY	
9	DEVICE ADDRESS	ROOM1 /2 /3 /4	The option will be red if two monitors set the same address
10	MONITOR UNLOCK	Off by default	If turn on this function, The monitor can unlock the door when monitoring
11	SYSTEM TIME SETTING	DATE: DAY-MONTH-YEAR	
		TIME:HOUR:MINUTE:SE COND	
12	ALARM CLOCK SETTING	ALARM CLOCK 1, 2, 3, 4, 5, 6	Each alarm clock can be set separately Since set time, it will alarm every 30 seconds till you turn off the alarm clock.
		ALARM CLOCK CHIME TYPE	8 polyphonic ring-tones options

No.	Setting items	Options	Note
		Clock status	Turn on/off.
		Cycle type: Single/week/month/year	single? only alarm once at the setting time Week: alarm everyday in a week at setting time Month: alarm everyday in a month at setting time Year: alarm everyday in a year at setting time
		Week option	available in cycle type of week. According to different need, user can assign different day for alarm in a week
		Time	set the alarm time. Format: hour: minute
		Date	set working date of alarm clock. Format: year-month-day In single cyle type, Year/month/day are all necessary setting menu. In week cycle type, all setting of year/month/day are necessary. In month Cycle type, DAY is necessary setting. In Year cycle type, Day and month are necessary setting.
13	SYSTEM FORMAT	FORMAT FLASH	
		FORMAT SD CARD	
14	PROGRAM VERSION	Display current software version	
15	DEV INFO	DEVICE NAME/VENDOR/MANU TIME	
16	Background image setting	Background image of intercom and startup picture.	
17	Restore default	Recovery the system	
18	Language	Select system language	

13.Parameters of picture capturing function

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

Note: Under low memory conditions, it will automatically delete old photos.

14. Specification

No.	Items	Content
1	Power source	DC15V, 1A
2	Power consumption	9W(Max), 2W(In standby)
3	Operation temperature	-10℃ to +40℃
4	Operation humidity	0℃ - 90℃
5	Display panel	7 inch
6	Intercom function	Hands-free
7	Connection	4 wires
8	Dimension	210mm*116mm*25mm
9	Weight	430g

ZK Building,Wuhe Road,Gangtou,Bantian,Buji Town,
Longgang District,Shenzhen China 518129

Tel:+86 755-89602345

Fax:+86 755-89602394

www.zkteco.com



