



ViRONE

CETI VIDEO DOORPHONE

Model: VDP-60



REMARKS

Please read this manual carefully before installing and using the device. In case of any problems with understanding its contents, please contact the seller.

The device can be installed and started up on its own, provided that the assembler has basic knowledge of electronics and uses appropriate tools. However, it is recommended that the device be installed by qualified personnel.

The manufacturer is not responsible for any damage that can result from improper device installation or operation. Any repair or modification carried out by yourselves results in loss of guarantee.

In view of the fact that the technical data are subject to continuous modifications, the manufacturer reserves a right to make changes to the product characteristics and to introduce different constructional solutions without deterioration of the product parameters or functional quality.

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IMPORTANT!

1. Disconnect the power supply before any activities on the product.
2. Do not install the monitor near devices that emit strong magnetic fields such as TV sets or speakers.
3. Do not install the monitor in a place exposed to high humidity like bathrooms, glasshouses.
4. Do not install the monitor in a location subject to high vibration and shock and strong sunlight.
5. Do not immerse the device in water or another fluid.
6. Do not operate the device when its housing is damaged.
7. Do not open the device and do not repair it by yourselves.
8. Do not use the device against its intended use.
9. Immediately turn off the power if "abnormal" sounds are coming from the external panel or monitor.
10. After installation and mounting, remove the protective film from the monitor screen.
11. Do not touch the monitor with wet hands.



WARNING

It is forbidden to make connections to powered devices!

Failure to comply with the above recommendations may result in permanent damage to the device.

Each household is a user of electrical and electronic equipment, and hence a potential producer of hazardous waste for humans and the environment, due to the presence of hazardous substances, mixtures and components in the equipment. On the other hand, used equipment is valuable material from which we can recover raw materials such as copper, tin, glass, iron and others.



The WEEE sign placed on the equipment, packaging or documents attached to it indicates the need for selective collection of waste electrical and electronic equipment. Products so marked, under penalty of fine, cannot be thrown into ordinary garbage along with other waste. The marking means at the same time that the equipment was placed on the market after August 13, 2005. It is the responsibility of the user to hand the used equipment to a designated collection point for proper processing. Used equipment can also be handed over to the seller, if one buys a new product in an amount not greater than the new purchased equipment of the same type. Information on the available collection system of waste electrical equipment can be found in the information desk of the store and in the municipal office or district office. Proper handling of used equipment prevents negative consequences for the environment and human health!

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Warning

1. To protect the device from damage, the power supply unit must be fixed to the wall in accordance with the instructions.
2. Place the power plug in an easily accessible location so that the unit can be easily disconnected from the power supply.

CHARACTERISTICS

The color video doorphone is composed of an indoor monitor of 7 inch, an external panel with camera, and a power supply unit. Suitable for villa, single house, hotel, office and etc, giving you the combined benefit of security and convenience.

Monitor:

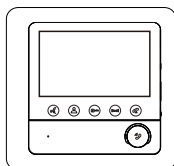
- colorful, hands-free 7" TFT-LCD
- adjust monitor parameters (brightness, color saturation, sound volume and call from the internal panel)
- 12 different melody ring tones for option
- microSD card reader max 32 GB, class 10
- ability to record images, photos and a built-in memory of about 120 images,
- outdoor monitoring.

External panel:

- surface-mounted (protective cover included);
- IR diode lighting for night vision;
- opening the electric strike with proximity tag
- remotely opening of the electric strike.

The set can be extended with an additional external panel, monitor and 2 CCTV cameras.

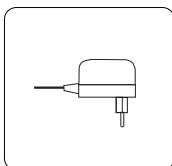
Package contents



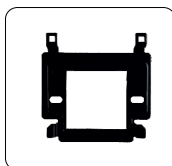
Main monitor



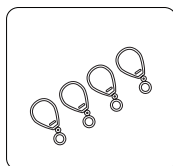
External panel
with protective cover



Power supply
unit



Mounting frame
for internal monitor



Proximity tags
7 pcs

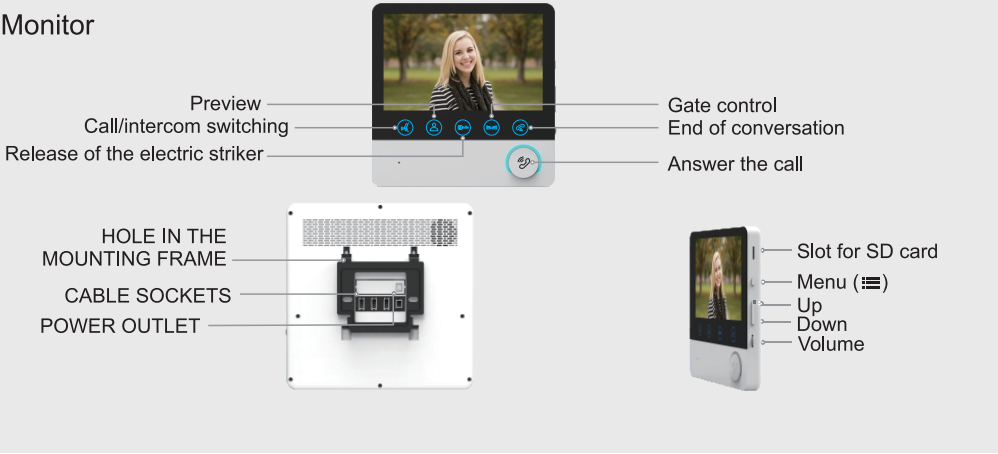
IMPORTANT!

It is recommended to test the operation of the device before making mounting holes. For this purpose, connect the device for testing according to the connection diagram. The first person holding the camera should call the second person at the monitor using the call button. The second person should carefully examine the field of view of the camera in order to correct the position of the module if necessary.

After accurate measurements, the mounting holes should be made after the power supply has been switched off.

Function keys

Monitor



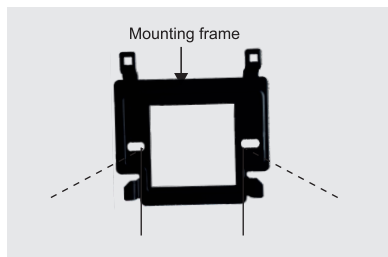
External panel with camera



Mounting

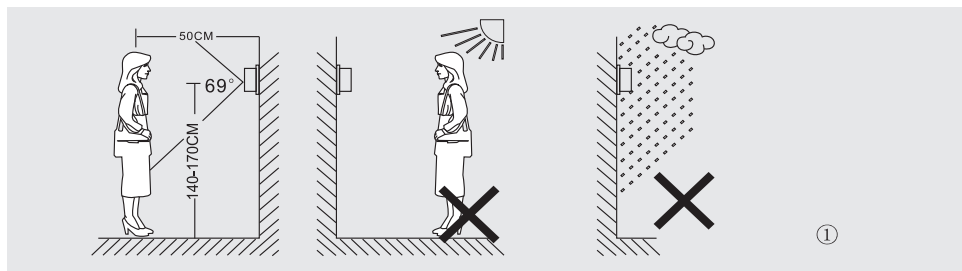
A. Internal monitor

- ① Screw the mounting frame to the wall.
- ② Connect the wires to the monitor and hang it on the frame.
Connect the power supply to 230V AC outlets.

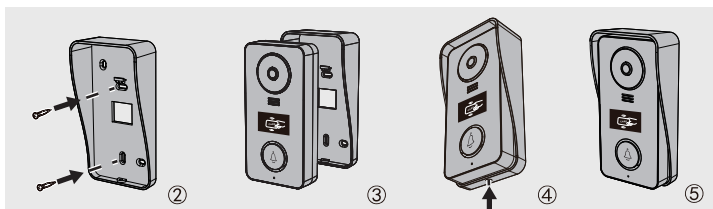


B. External panel

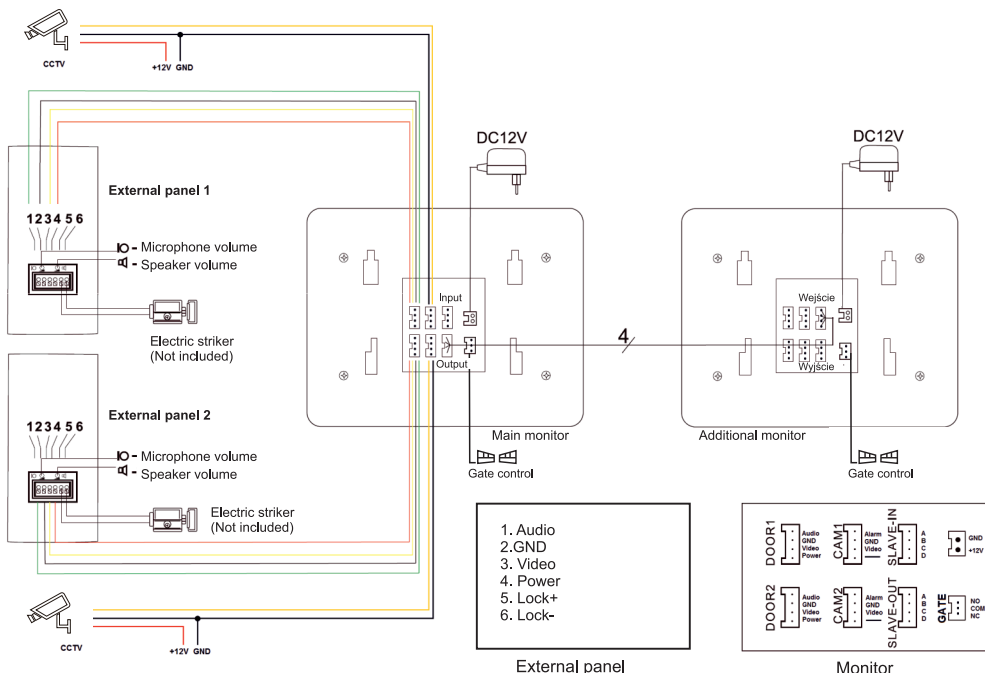
- ① Mount the external panel at a height of 1.4m-1.7m above the ground (according to the camera's viewing angle) and avoid direct sunlight.



- ② Drill appropriate holes in the wall and put silicone caps on it. Fix the protective cover to the wall with screws.
- ③ Connect the wires according to the wiring diagram.
- ④ Mount the camera panel to the protective cover.



Wiring diagram



While designing the wiring system, take into account the suitable cross-section of cables:

up to 30 m - recommended cable XzTKMXpw 3 x 2 x 0,5 mm²

up to 50 m - recommended cable XzTKMXpw 3 x 2 x 0,8 mm²

The cable connecting the electric strikers to the external cassette should be min. 2x1mm². The total length of the installation may not exceed 50 metres. The use of twisted-pair cables is absolutely not recommended.

The cable terminals (NO, COM, NC) on the internal display are used to connect the external gate control function, for which the button on the display is responsible.

Instructions for use

◆ DOORBELL RINGS

Expectation

The call button is pressed on camera cassette 1



The call button is pressed on camera cassette 1



▼ The sound of the doorbell can be heard inside and outside



IMPORTANT:

The image of the person who pressed the doorbell automatically appears on the monitor



Press the button on the monitor



▼ The doorbell stops ringing



IMPORTANT:



You can start conversation with the person outside

The internal monitor automatically switches to standby mode, if there's no one home or if, in 60 seconds, no one didn't answer the doorbell.

▼ The single talk time interval is 120 seconds



Press the **KEY** button on the internal monitor




▶ The electric striker is released

Press the **END OF CALL** button to end the call




▶ Exit





Recording mode: Recording will start when the call button is pressed. Press to  start the next recording. Each recording takes 14 seconds.



Picture mode: The picture is taken when the call button is pressed. Press  to take another picture.

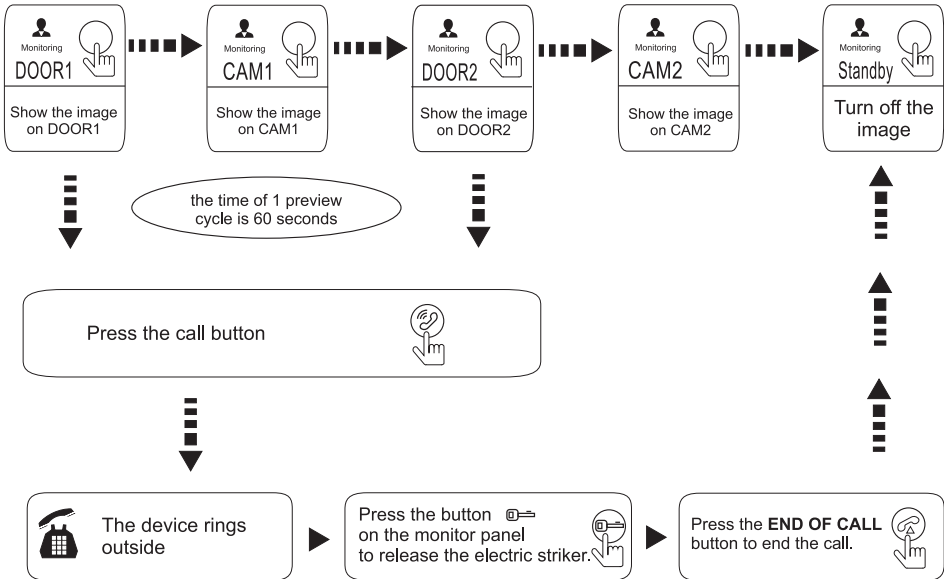


Monitoring mode: the device allows you to listen to sounds and movement outside through an external cassette. Press  the button to start a conversation, and press  button for releasing the door opener.






Monitoring

Applies to the following menu settings: DOOR1, CAM1, DOOR2, CAM2 in operation mode (open or closed).

Standby mode

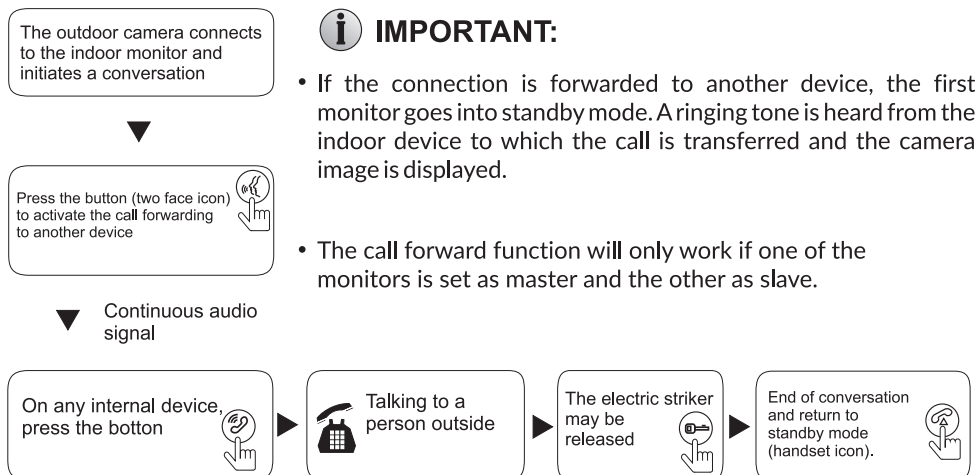


IMPORTANT:

-  If you use only one external camera in monitoring mode, you can also exit this mode by pressing the button responsible for monitoring again (in the menu options this corresponds to: CAM1; DOOR2; CAM2 closed).
-  If you use two internal monitors, you can also start monitoring mode on another internal monitor at the same time. Both monitors will show the same images.
-  If an outside person starts a connection from any external panel in monitoring mode, the unit will automatically stop working in this mode. The monitor will display the image of this person and you will hear the ringing tone.
-  To start recording or taking a picture manually, press  in the monitoring mode. Each recording takes 14 seconds.

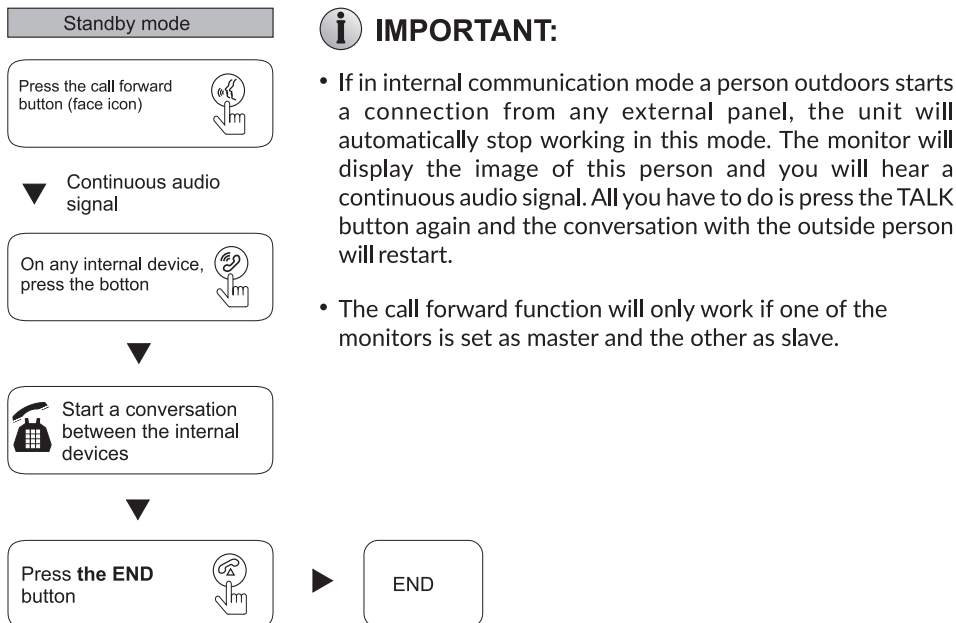
Call forwarding to another device

The internal communication function requires the connection of at least two internal monitors and one external cassette.

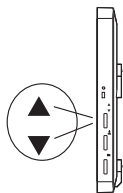


Intercom function









At least two monitors are required.



Menu operation

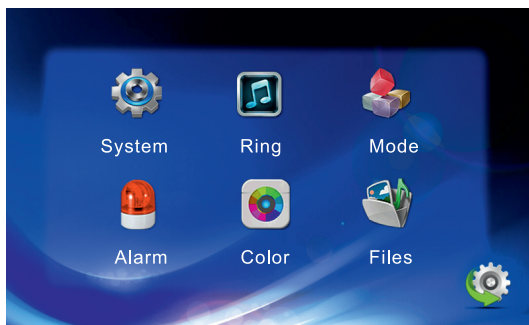


IMPORTANT:



The double button  is a multifunction button. While in standby mode, press the button  and enter the main menu. Use the button  to move up or down to a specific submenu. Press again  to enter this submenu. Then press  to select appropriate options in this submenu, press  up or down to adjust the appropriate values for each option. Press  to confirm the previous steps. Selecting RETURN on the main menu, press the button  to exit the menu completely. The device will go into standby mode.

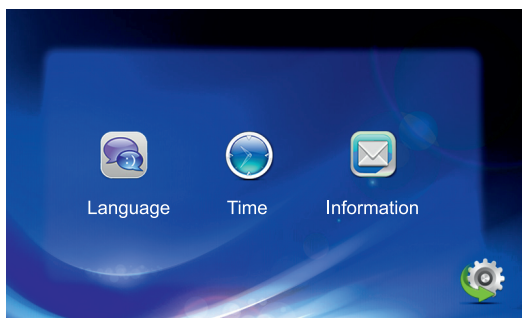
If the user does not perform any actions and does not move on the monitor interface, the device will automatically go into standby mode after 1 minute.

To enter the main menu, in standby mode, press the button . You will see the main menu page, as shown in the figure below. In this option, move up and down  to move the cursor to RETURN and press  to exit the menu completely.






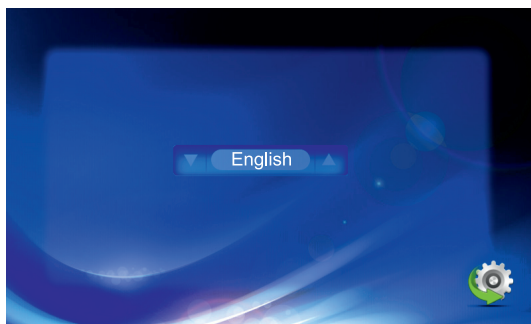
1. Setting system parameters

Scroll up or down  to move the cursor to the SYSTEM option, and then press  to enter the System Menu. You can change the following parameters: language, time and information.

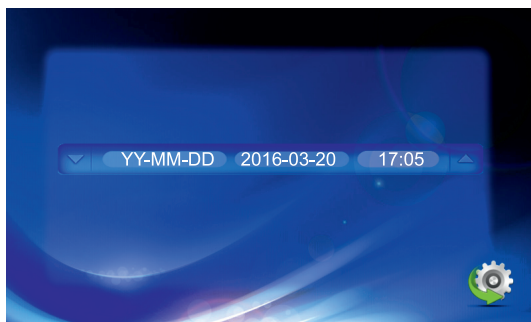







1.1 System - language

While in the system menu, move the cursor to LANGUAGE (language) and press  to enter the language parameter menu. Use this function and change the language of the messages on the device monitor. Press the button to enter the option selection mode and press it  up or down to select the correct values. Confirm your choice by pressing .




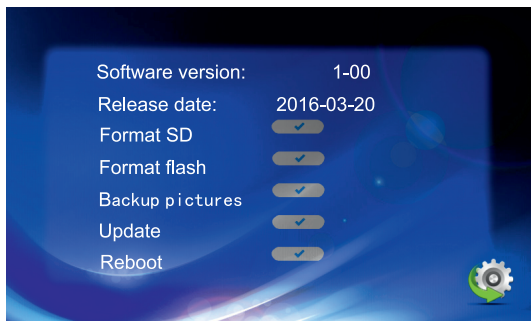
1.2 System - time




While in the system menu, move the cursor to the TIME parameter (time) and then  to enter the menu for this parameter. Use this function to select the date format (YY-MM-DD or DD-MM-YYY), adjust the date and time of the system. Press up or down  to select the appropriate parameter. To enter a specific parameter, press  and its values are selected using  the button. Confirm your choice by pressing .



1.3 System - information

While in the system menu, move the cursor to INFORMATION and press  to enter the menu for this parameter. You can get information about software version and date of editing.



[SD Format]: Format the SD card - format it before using the unit.

 **Important:** This product works only with SD cards of min. class 10.


[Reboot]: Move the cursor over  and press . You move to a new screen, select YES to restart the device or NO to cancel the command.

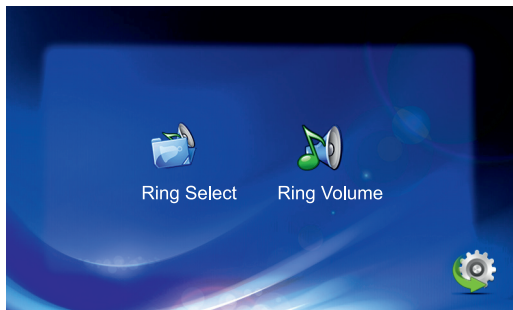
[Update]: For devices with SD card, you can update the embedded software via SD card.

Note: When updating the system, do not remove the SD card or disconnect the monitor from the power supply. After the update is completed, the unit will restart.

[Return]: Exit the current menu.

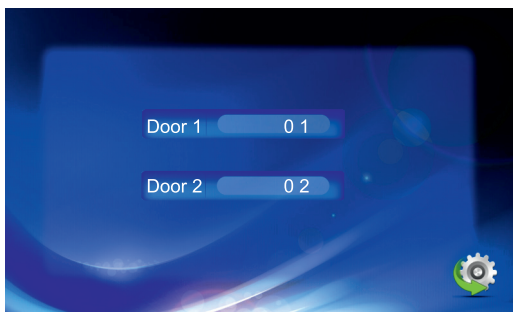
2. Configuration of sound parameters.

While in the main menu, move the cursor to RING and press  to enter the menu for this parameter. The ringtone configuration allows you to select a melody and adjust its volume.



2.1. Ringtone selection

While in the RING SELECT menu, move the cursor to RING SELECT and press  to go to this option and select the ring tone for the external camera cassette.



[Door1]: selection of the doorbell for the first outdoor cassette with camera (selection from 12 sounds)

[Door2]: selection of the doorbell for the second external camera cassette (selection from 12 sounds)

[Return]: Exit the current menu.

2.2 Volume control

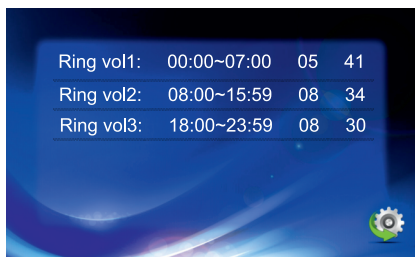
While in the RING VOLUME menu, move the cursor to RING VOLUME and press  to enter the menu of this parameter and adjust the ring volume. Users can set different volume levels for three different periods. The length of the doorbell can be set from 15 to 60 seconds.

[Ring Vol1]: Vol1:01-10 ringtone volume

[Ring Vol2]: Vol2:01-10 ringtone volume

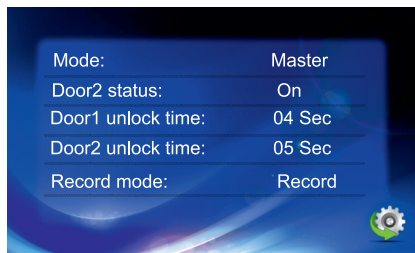
[Ring Vol3]: Vol3:01-10 ringtone volume

The device allows you to set the volume and length of the ringing tone for three periods.



6. Setting the monitor mode.

In the main menu, move the cursor to the MODE option (mode) and press to enter the menu for this parameter.



Mode: This option includes MASTER and SLAVE modes.

In MASTER mode, the internal monitor connects to external cassettes or cameras, in SLAVE mode, the internal monitor connects to the main monitor.

[Door2 status]: Enables or disables the ability to view the image recorded by an additional external Door2 cassette.

Record mode: This option includes RECORD (recording) and SNAPSHOT (shooting) functions. RECORD means that the device with SD card will start recording automatically when the person on the outside presses the call button on the external cassette. SNAPSHOT means that a device with an SD card or built-in memory will take a picture when a person on the outside presses the call button on an external cassette.

[Door1 Unlock Time] (door opening time 1): from 2 to 10 seconds

[Door2 Unlock Time] (door opening time 2): from 2 to 10 seconds

[Return]: Exit the current menu.

4. Configuration of alarm parameters

In the main menu, move the cursor to ALARM option and press to enter the menu for this parameter.



[Sensor type]: Each camera channel corresponds to the I/O mode (status description below), which means that when an alarm is activated, the corresponding channel for either recording or taking pictures will also be activated.

ON: Setting the I/O to ON will cause the internal monitor recognise the sensor type automatically.

I/O status types:

NO: 'normally open' means that the sensor is maintained at a constant low voltage in normal operation. If the output voltage changes from low to high, then an alarm is activated.

NC: "normally closed" means that the sensor is under constant high voltage. If the output voltage changes from high to low, then an alarm is activated.

OFF: set I/O to OFF if the unit is not connected to external sensors.

[CAM1]: Enables or disables the viewing of the image recorded by camera 1.

[CAM2]: Enables or disables the viewing of the image recorded by camera 2.

[CAM 1 RING TIME]: The time for which camera 1 alarm is initiated by activities detected by the sensor; can be set within 0-30 seconds.


[CAM 2 RING TIME]: The time for which the camera 2 alarm is initiated by activities detected by the sensor; can be set within 0-30 seconds.

Alarm record: This option includes RECORD (recording) and SNAPSHOT (images). RECORD means that when an alarm is activated, the unit will record a movie.

SNAPSHOT means that when an alarm is activated, the unit takes a picture from the corresponding camera.

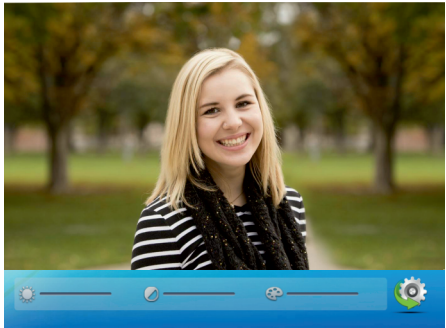
[Return]: exit the current menu

5.Configuration of image parameters

In the main menu, move the cursor to COLOR, and then press  to enter the menu for this parameter.



In the COLOR menu you can configure the color parameters for Door1/Door2/CAM1/CAM2 to get the best possible image. Press the up or down button  to move to Door1, Door2, CAM1 or CAM2. Then press  to enter the appropriate menu and adjust the values for image brightness, contrast and color saturation, taking into account the current ambient lighting.



Brightness: values can be set between 0-50, factory setting is 25

Contrast: values can be set between 0-50, factory setting is 25

Colour saturation: values can be set between 0-50, factory setting is 25

[Return]: exit the current menu

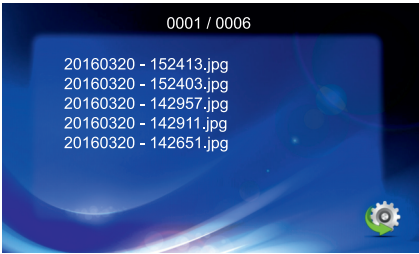
6. Reading the record

In the main menu, move the cursor to FILES, then press **≡** to enter the menu for this parameter. This option contains recording files (RECORD) and photo files (SNAPSHOT).



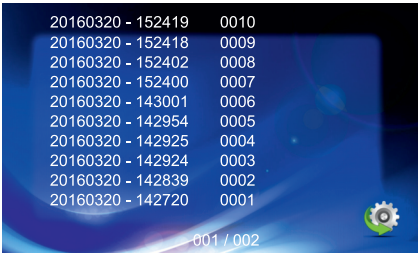
6.1 Recordings

In FILES menu press up or down button **⬆** and move cursor to RECORD FILES option. Then press button **≡** to go to recording list. By pressing up or down **⬆**, move the cursor to select the file to be played. The red list indicates that the list was selected correctly. Then press the button **≡** to select whether you want to play the current recording, delete it or delete all files with recordings. During playback, press the up or down button **⬆** to move to the last or next recording. Press again **≡** to exit the menu. Move cursor to RETURN and press **≡** to exit the current menu completely.



6.2 Photos

In FILES menu press up or down button **⬆** and move cursor to SNAPSHOT FILES option. Then press button **≡** to go to list of saved pictures. By pressing up or down **⬆**, move the cursor to select the file to watch. The red backlight indicates the cursor positions. Then press the button to select if you want to open the current photo (Play), delete it (Delete Selected File) or delete all photo files (Delete All Files). During playback, press the up or down button **⬆** to move to the last or next **≡** image. Press **≡** to exit the menu. Move cursor to RETURN and press **≡** to exit the current menu completely.



Alarm instructions

Wiring diagram:

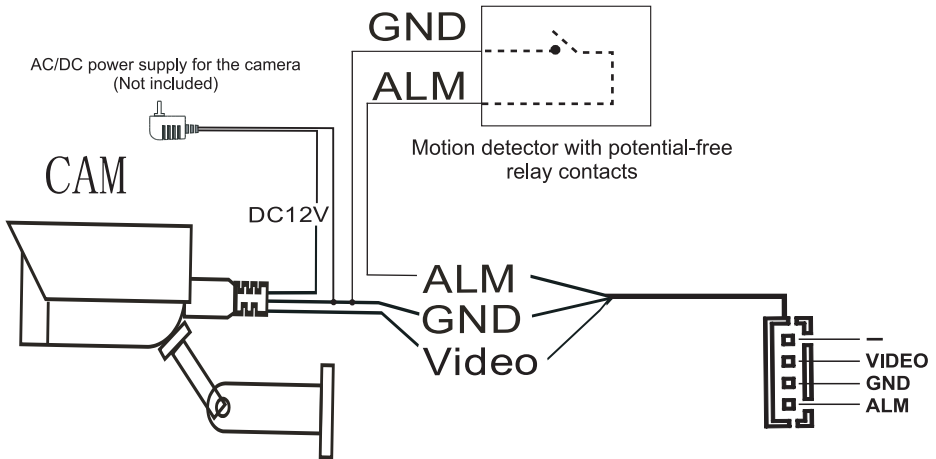


The ALM terminal of the alarm sensor is connected in parallel with the ALM terminal. (The alarm sensor must have external power supply).

The GND terminal of the alarm sensor is connected in parallel with the GND terminal of the camera.

For NO alarm contacts, the connection of GND and ALM will activate the alarm.

For NC alarm contacts, disconnecting GND and ALM will activate the alarm.



Configuration of ID card / proximity tags

Important:

Set contains 7 RFID tags. If a tag is lost, it is possible to configure additional cards / tags.

- 5 blue key rings for opening the electric strike at the entrance (user key rings)
- 1 yellow key ring for adding new cards/tags
- 1 red key ring to remove all cards/tags from the system

The proximity tags are configured at the factory. Adding new cards/tags is described below.

Up to 24 RFID key rings can be registered in the set.

1. Adding cards/tags

In standard operation mode, the yellow key ring should be placed close to the reader. You will hear short signal "Di", which means that the device has entered add-on mode.

Move closer the new card/tag. If you hear the "Di-Di" signal, it means that the addition of the new card has been successful. You can add another card for up to 20 seconds. If the device does not detect information about the new card after this time, it will return to normal operation. Read the yellow key ring to exit the add-on mode faster.

2. Deleting all cards/tags

In standard operation mode, the red key ring should be placed close to the reader. You will hear long signal "Diiii", which means that the deletion of all cards/tags has been successful. The device will then return to normal operating mode.

Use the yellow add key ring and the blue user key rings to reprogram user access.

Indoor monitor

Display size	7"
Resolution	800x480
Dimensions	181x180x18mm
Nominal voltage at the power supply input	AC100-240V 50Hz/60Hz
Nominal voltage at the output of the power supply, current	12V DC, 1.5A
Monitoring time	60S±10%
Time of the conversation	120S±10%
Recommended cable	up to 50m XzTKMXpw 2x3x0.8mm ²
Power consumption	stand-by <3W, operation <5W
Working temperature	-20℃～+50℃
Relative humidity	10%～90% (RH)

External panel with camera

Camera backlighting	IR diodes
Working temperature	-20℃～+50℃
Resolution	700 TV lines - (CMOS)
Viewing angle	vertically 69°, horizontally 105°
Dimensions (with protective cover)	85x166x42mm
Dimensions (without protective cover)	80x160x29mm
Proximity card reader	125 kHz Unique

TROUBLE SHOOTING

1. No video/audio signal

- a) Check that all wires are secured and properly connected.
- b) Check that there is nothing in front of the camera to prevent the reception of the image/sound.

2. No video signal, but communication between devices is correct

- a) Check that all wires are secured and properly connected.
- b) Check that there is nothing in front of the camera to prevent reception of the image.

3. No sound during the call

- a) Check that the volume control knob is not twisted to the minimum.
- b) Check if there are no sources of strong electromagnetic interference near the speaker or microphone.
- c) Check that all wires are secured and properly connected.

4) The external cassette cannot connect to the internal monitor

- a) Check that all wires are secured and properly connected.
- b) Check the power supply

5) The door doesn't open

- a) Check that all wires responsible for releasing the electric striker are secured and properly connected.
- b) Check the operating voltage and rated current of the door strike (max. 12VDC, 500mA).

6) No sound from the outside during the call, but you can hear the ringing on the call

- a) Press TALK button to start audio track.
- b) Check that all wires are secured and properly connected.

7) Sounds and images from the external cassette are coming, but there is no communication between the devices

- a) Press TALK button to start audio track. If you don't answer the call, eavesdropping from the external cassette will be active.
- b) Check that all wires are secured and properly connected.

PRODUCER

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