

ViRONE

OPERATING AND INSTALLATION INSTRUCTIONS

VIDEO DOORPHONE CETI Full HD VDP-60FHD



SAFETY INSTRUCTIONS

Before using the device, read this Service Manual and keep it for future use. In case if any problems with understanding the manual appear please do contact the seller. Installation and commissioning of the equipment by the customer are possible if the installer has basic knowledge of electrical systems and the use of proper tools. However, it is recommended that the installation is carried out by a qualified electrician.

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, functional, and other solutions without deterioration of the product parameters or functional quality. Especially with regard to any kind of external applications, software, and other. The latest version of user manuals can be found at www.virone.pl.

Orno-Logistic Sp. z o.o. holds no responsibility for the results of non-compliance with the provisions of the present manual.

Any translation/interpretation rights and copyright in relation to this manual are reserved.

1. Disconnect the power supply before performing any activities.
2. Do not immerse the product in water or other liquids.
3. Do not operate the device with damaged housing.
4. Do not open the device and do not repair it by yourself.
5. Do not use the device contrary to its dedication.
6. Do not install the monitor near any devices with strong magnetic field such as TV or speakers.
7. Do not install the monitor in a place subject to a high humidity, vibrations, and direct sunlight.
8. Do not touch, directly or indirectly, the internal parts of a working device - risk of an electric shock and/or burns.
9. Ensure a free air flow.



WARNING

It is forbidden to make connections to live equipment!

Fail to adhere to the above recommendations may result in permanent damage of 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!



05/2024

CHARACTERISTICS

The video doorphone is designed for a single family houses.

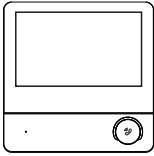
Functions:

- simultaneous view and hold of a conversation with a person in front of an entrance;
- direct control of an electric door strike;
- build-in 125 kHz RFID reader allowing access with cards and proximity tags (max. 24 users);
- gate control;
- infrared LED lighting allowing night vision;
- smooth regulation of the parameters of the monitor (display brightness and bell volume);
- screen carousel;
- intercom function when additional monitors are used.

Key features:

- 7-inch ultra-slim colour LCD monitor with touchscreen display;
- outdoor unit with wide-angle Full HD camera;
- SD card reader (with a maximum capacity of 128GB);
- 4-wire installation and an electric door strike that does not require an additional power supply;
- expandable with up to 2 outdoor panels, 4 monitors and 2 CCTV cameras.

CONTENTS OF THE SET



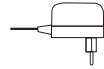
Monitor



Outdoor unit



Monitor
mounting frame



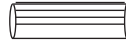
Power supply



Proximity tags



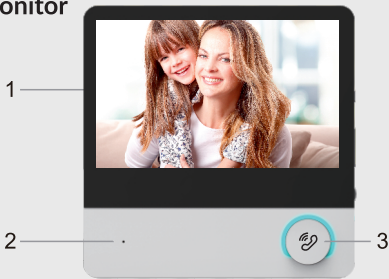
Screws



Wall plugs

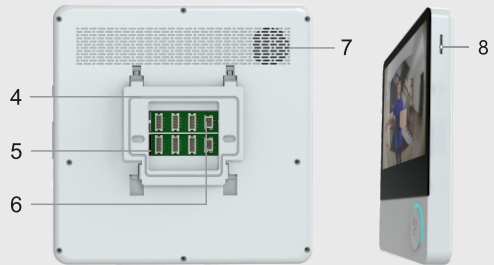
SET CONSTRUCTION

Monitor



- 1. Touchscreen
- 2. Microphone

- 3. Answer/end the call
- 4. Mounting bracket



- 5. Connection terminals
- 6. Power supply terminal

- 7. Loudspeaker
- 8. MicroSD card slot

Outdoor panel



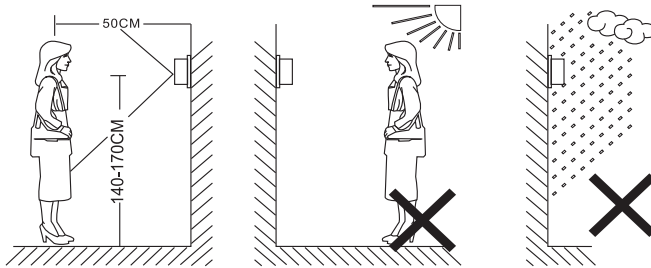
- 6. Rainshield
- 7. Night-time lighting
- 8. Camera lens
- 9. Loudspeaker
- 10. RFID card and proximity tags reader
- 11. Call button
- 12. Microphone

INSTALLATION

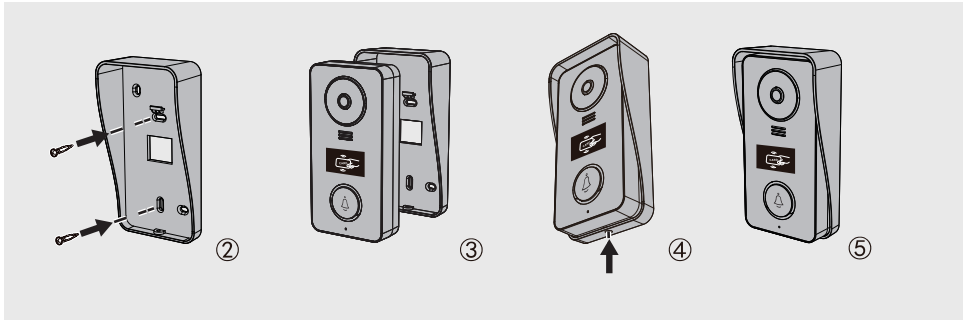
a) Installation of an outdoor unit

1. The correct location of the outdoor unit determines the comfort of use. Remember not to choose a location exposed to extensive sunlight and heavy precipitation.

The camera should be installed at a height of 1.4 ~1.7 m.

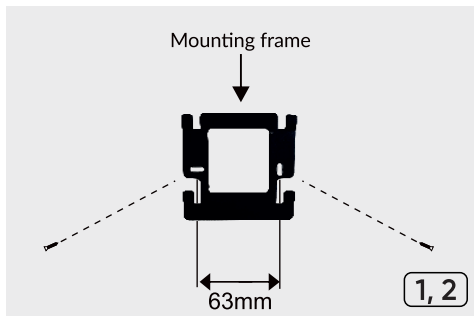


2. Drill holes in the wall and insert the wall plugs. Fix the rainshield in place using screws.
3. Connect the wires according to the attached wiring diagram.
4. Place the camera in the rainshield and screw it from the bottom with a safety screw.



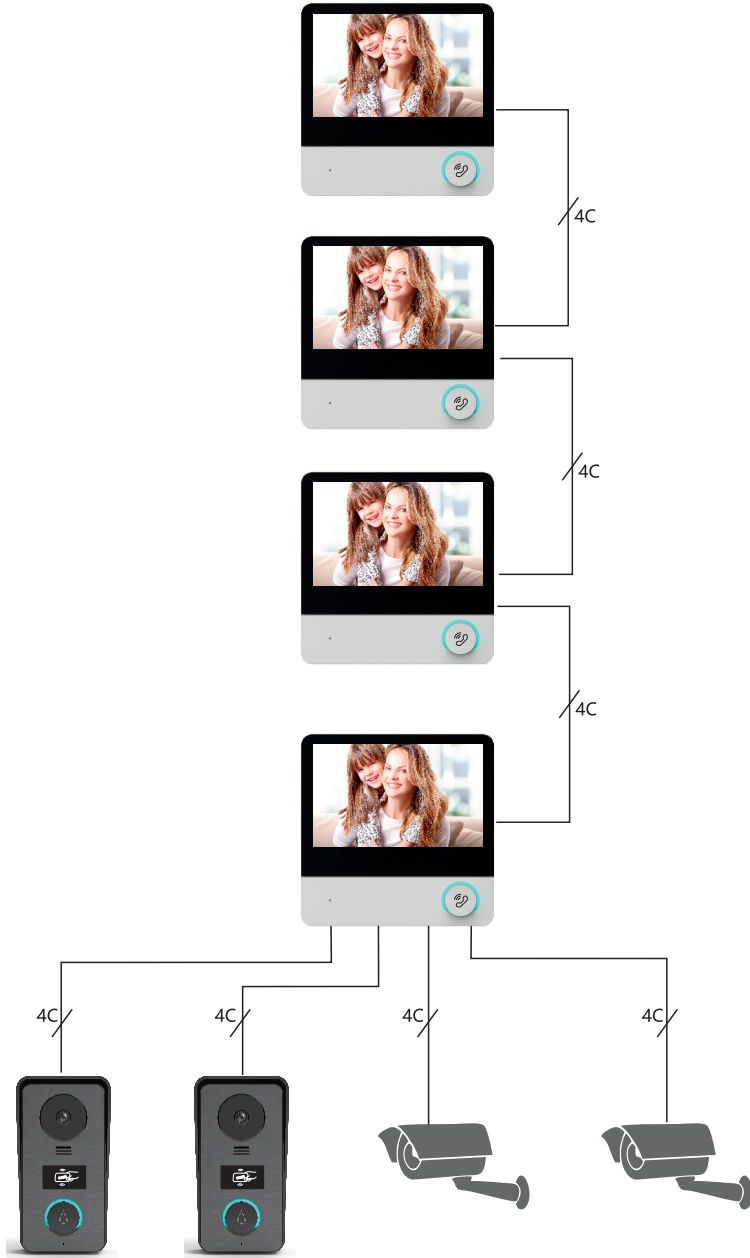
b) Monitor installation

1. Drill holes in the wall and insert silicone plugs into them.
2. Screw the monitor mounting frame to the wall with screws.
3. Connect the wires to the monitor and hang it on the mounting frame.
4. Connect the power supply to the 230V AC outlet.

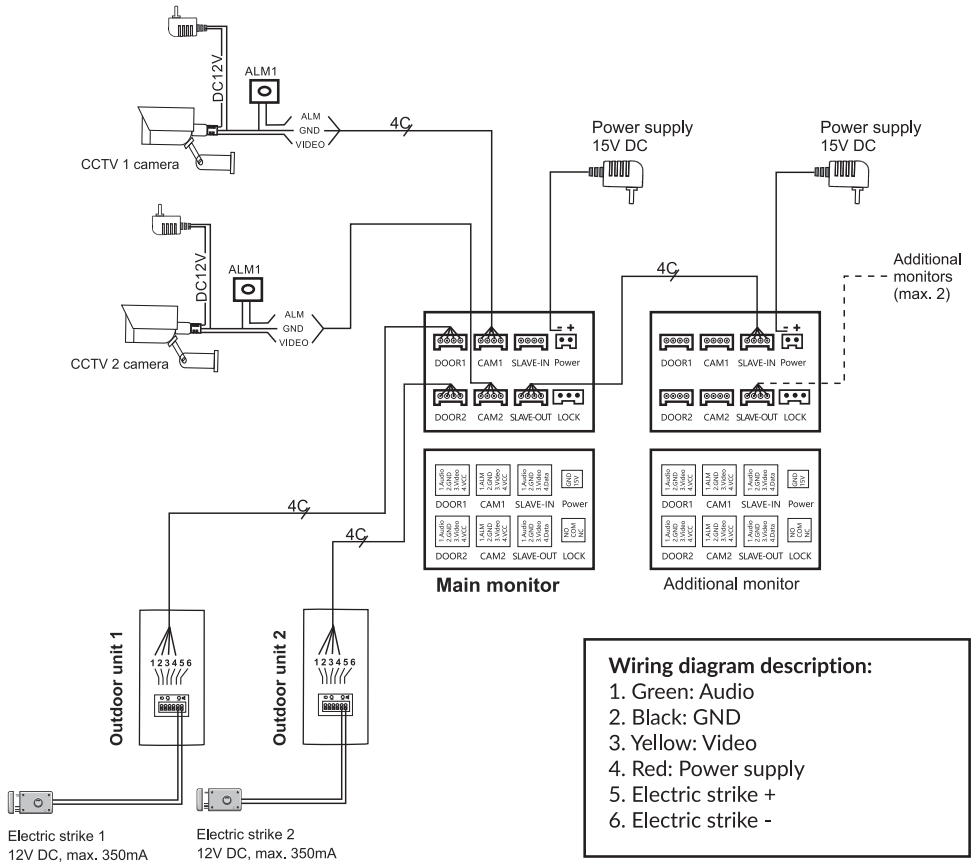


WIRING DIAGRAM

Before installing the device permanently, we recommend to test connect the set on the table with short wires and check if it works properly. In addition, you can perform a full RFID card/tag configuration.



WIRING DIAGRAM



The video doorphone wires should not be run in the same cable with wires of other installations e.g. doorbell, alarm etc. All power and telecommunication wires emitting strong magnetic fields (e.g. loudspeakers, TV receiver) in direct contact with the wires connecting the outdoor unit to the monitor may adversely affect the operation of the set.

If the user has other connecting cables than the recommended ones, it is acceptable to use them but a test connection of the set should be made in order to check its proper operation.

The set does not include an electric door strike and automatic gate control!

When designing the electrical installation, take into account the appropriate cable cross-section:
 up to 30m - recommended cable XzTKMXpw 3 x 2 x 0,5 mm
 from 30m to 100m - recommended cable XzTKMXpw 3 x 2 x 0,8 mm

The connection to the electromagnetic lock should be made with 2 x 1mm² cable.
 The set is compatible with any electric door strike with 12V DC supply voltage and current consumption of max. 350 mA.

The total length of the installation must not exceed 100 metres.
 We absolutely do not recommend the use of twisted-pair cables.

RFID CARD AND PROXIMITY TAGS READER

The set contains 7 proximity tags (additional proximity tags can be added in case the tags in the set are lost):

- 5 blue proximity tags for users,
- 1 yellow proximity tag for adding new users,
- 1 red proximity tag for deleting all saved users.

The proximity tags are configured by default and do not need to be programmed during device installation.

1. Adding users (max. of 24 users)

Place the yellow proximity tag close to the RFID reader on the outdoor unit, you will hear a double Di-Di tone confirming that you have entered the new users programming mode. Then place close to the RFID reader a new user proximity tag you wish to add (you will hear a long Diiiiii signal indicating successful addition of a user). Slide the proximity tags of the users you wish to add one by one without exiting the programming mode. The device will automatically return to operating mode if no action is taken for 20 seconds (you will hear a long Diiiiii signal).

2. Deleting all users

Place the red proximity tag close to the RFID reader on the outdoor unit, you will hear a long Diiiiii beep confirming the deletion of all users from the memory. The device will automatically return to operating mode. Use the yellow proximity tag to program new users (point 1).

3. Program new master (add-on and delete) proximity tags (resets all memory)

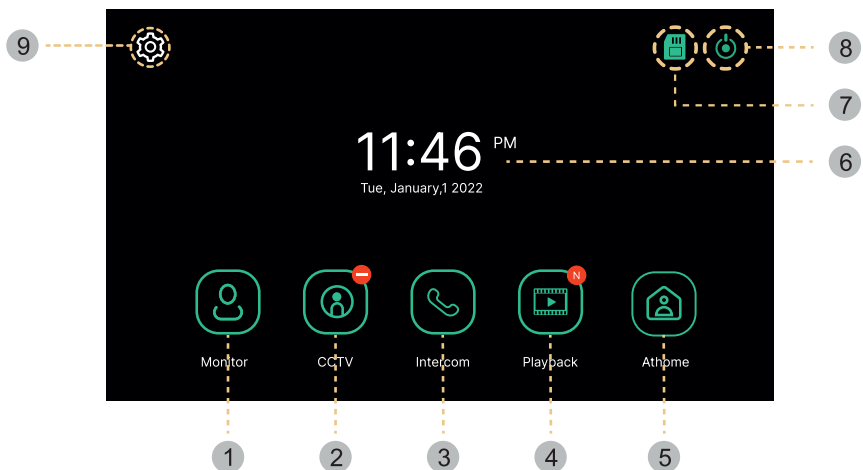
Remove the outdoor unit from the wall - hold the tamper button to disable the siren. Then, press and hold the RFID button (see page 3). When you hear two beeps (one short and one longer), you can release the button.

Hold the tag against to the RFID reader on the outdoor panel, you will hear a double DiiDii beep confirming that this proximity tag has been added as an add-on tag (master proximity tag for adding new users).

Then place the second proximity tag - you will hear a long Diii signal confirming that this tag has been added as a delete tag (master tag for deleting all saved users). To add a new user proximity tag, follow step 1.

SET OPERATION

Main menu

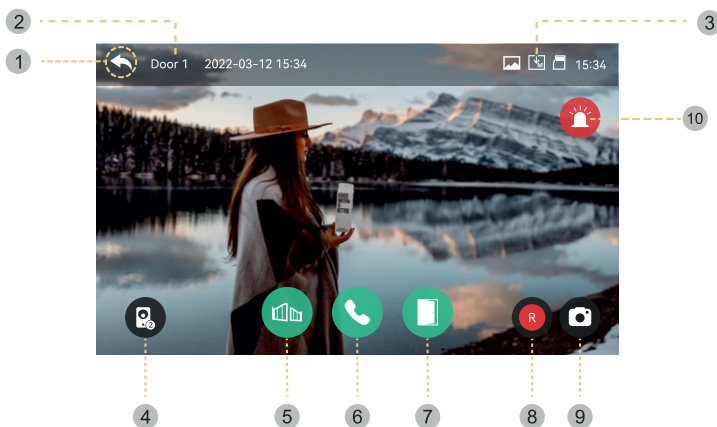


1. **Monitor** - outdoor unit camera view.
2. **CCTV** - CCTV camera view.
3. **Intercom** - intercom function (available with additional monitors connected).
4. **Playback** - display a list of recorded photos and videos.
5. **Operating mode**
3 possible settings: at home/ away/ do not disturb
At home: call and conversation available,
Away: option of leaving a message by a visitor,
Do not disturb: monitor and outdoor unit muted.
6. **Date and time** - current date and time.
7. **SD card status** - indicator of installed SD card.
8. **Monitor turn off**
9. **Settings** - go to the settings menu.

Important!

Remember to set the date and time before using the device. If you do not set the date/time, problems may arise when saving images and videos.

MONITORING



- 1: Go back to the previous page.
- 2: Door 1 - indicates the active camera from which the image is displayed on the screen.
- 3: Recording status icons:



Recording format: Photo/Video (in motion detection mode)



Recording mode: MANUAL/AUTO



SD card status: Inserted/Memory full

- 4: Change the preview to the second external panel. Function only available when a second external panel is connected.
- 5: Gate control - press to open the gate.

- 6: Answer call: press to answer the call. During the call it changes to End call.
- 7: Open door/wicket: press to release the electric door strike and open the door/wicket.
- 8: Video recording: press to start recording (in AUTO mode, video is automatically recorded when motion is detected in the detection field). The length of the recording is a maximum of 60 seconds. After you start recording, the remaining time will be displayed in the upper right corner. Press the icon again to stop recording.
- 9: Take picture: press to take a picture of the view from the external camera.
- 10: Alarm - press to activate the alarm on the outdoor unit.

Preview time: 30 seconds

Call and conversation time: 60 seconds

Call volume and image adjustment



During monitoring or a call, press any area of the image to enter the call volume/image brightness/image contrast/colour saturation adjustment window.

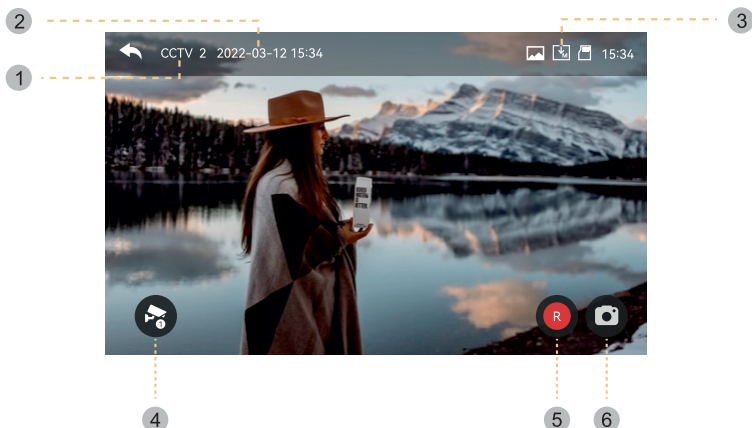
Connection

1. When the Call button on the outdoor unit is pressed, the monitor beeps and the image from the external camera is displayed on the screen. The ringing time is max. 20 seconds. When AUTO mode is activated, the video/photo is automatically saved.
2. When the Answer call button is pressed, the conversation can be started. The conversation time is max. 60 seconds. During the call, the door/gate can be opened.
3. When another call comes in from the second outdoor unit, a new call will be started only when the current call ends.
4. When the End call button is pressed, the conversation ends. The monitor returns to the main screen.

CCTV

When the CCTV icon is pressed, the image from the connected CCTV camera is displayed on the monitor screen. The viewing time is max. 57 seconds. During the preview, you can start recording. The CCTV monitoring function is only available if the camera is correctly connected to the set.

- 1: CCTV - indicates the active CCTV camera from which the image is displayed on the screen.
- 2: Current time and date.
- 3: Recording status icon (shows current format and recording mode).
- 4: Possible change of view to image from CCTV camera 2 (if installed).
- 5: Video recording: press to start recording the view from the CCTV camera. During recording, the remaining time will be displayed in the upper right corner. Press again to stop recording.
- 6: Take picture: press to take a picture of the CCTV camera view.



IMPORTANT!

Videos cannot be saved and stored unless an SD memory card is installed in the device. Pictures can be saved in the device's memory (capacity - maximum 50 images).

1. Turn off the monitor. Place the SD memory card in the slot on the side of the monitor (max. card capacity 128GB). Switch on the monitor. All images stored in the device's memory will be automatically transferred and saved to the memory card.

2. All saved files can be viewed on a computer ([media] folder on the memory card).

3. Each file can be checked for date, recording time, source (from which camera the video/photo was recorded) and its format can be checked.

- File name: YYMMDD_HHMMSS_AB.AVI or JPG (year/month/day_hour/minute/second_)

Note: Meaning of the last two digits (marked AB):

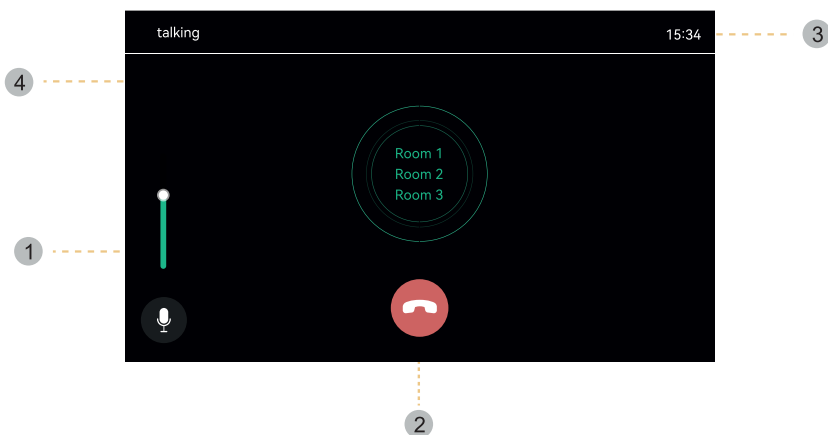
A: 1 - DOOR1 / 2 - DOOR2 / 3 - CCTV1 / 4 - CCTV2

B: 1 - MANUAL(manual recording) / 2 - AUTO / 3 - MOTION SENSOR / 4 - ALARM

Example: file name: „180109_045740_12.avi“

Video recorded automatically, triggered by visitors using the Call button on Door 1, on 9 January 2018, at 4:57:40.

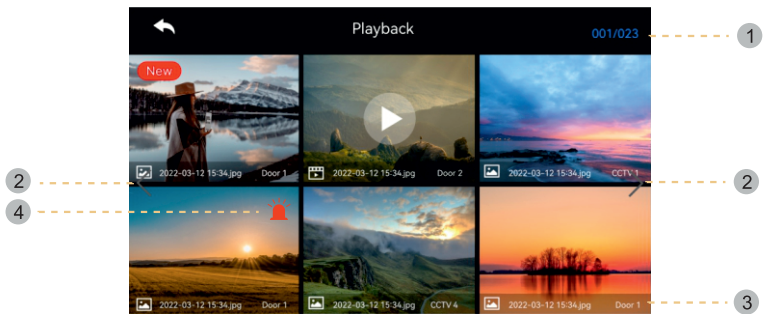
INTERCOM



Function available if more than 1 monitor is connected to the set.

- 1: Volume control - 4-step adjustment of the call volume.
- 2: End call - press to end the call and switch off the intercom.
- 3: Call and conversation time - indicates the current time of the call or conversation.
- 4: Connection between monitors - select which device you want to connect to.

PLAYBACK



- 1: Current page / Number of all pages
- 2: Go to next page / Go back to previous page
- 3: File information



- 4: Alarm recording: file recorded when an alarm occurs.
- If "Auto Recording" is selected in the security menu, the CCTV camera image is recorded for 10 seconds in the case of an emergency. If an SD memory card is not installed in the device, only the image is saved.
- If a call is received from a visitor during an emergency, the video image is recorded automatically with the "Auto Recording" setting or can be recorded manually. During an emergency, communication with visitors is limited and only the camera image can be checked.

Image



- 1: Source / File number
- 2: Go to next / return to previous file
- 3: Date and time
- 4: Delete file

Video

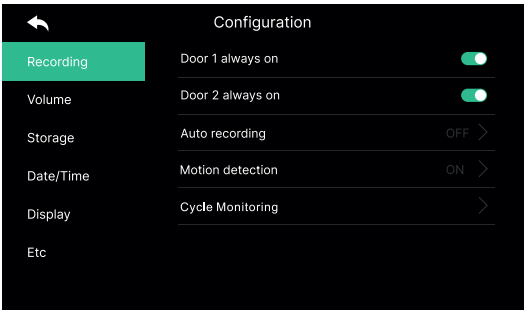


- 1: Source / file number
- 2: Go to next/go back to previous video
- 3: Play video - press to play the current video file. During playback, the icon changes into a pause button.
- 4: Delete file
- 5: Date and time
- 6: Video file duration - the remaining time is displayed.

Note: After inserting the SD memory card into the device, wait for a while for the files on the card to load. The waiting time depends on the number and size of files stored.

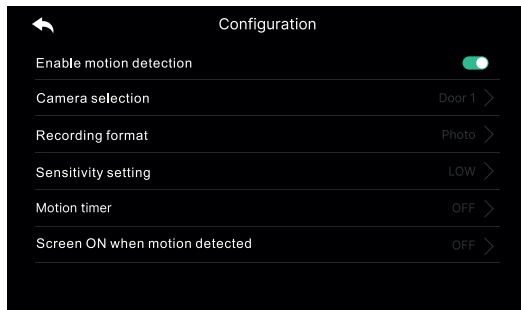
SETTINGS

Recording



- 1. **Door 1/Door 2 always on** - enable this option if the outdoor unit has a code lock or RFID reader and needs constant power supply.
- 2. **Auto recording** - enable this option to set the autosave mode (photo/video). If an SD memory card is not installed in the unit, automatic video recording cannot be selected. This function is activated when the call button on the outdoor unit is pressed. When the function is activated, it is not possible to perform manual image/video recording until automatic recording is activated.
- 3. **Motion detection** - activate the option to set motion detection for the previously set camera.

The motion detection functions are as follows:



Enable motion detection - on/off.

Camera selection - select camera for monitoring the environment (door 1/2, CCTV camera 1/2 - if installed).

Recording format - select image/video.

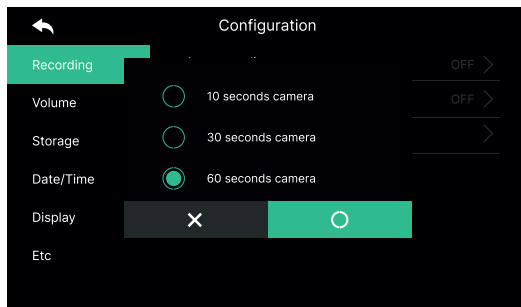
Sensitivity setting - detection sensitivity high/medium/low.

Motion timer - select to activate the timer function (motion detection activation time). Once activated, the start/end time of motion detection can be set.

Screen ON when motion detection - during video recording, the video is displayed on the monitor screen (for 10 seconds).

4. Cycle monitoring - enable this option to have the system periodically monitor all outdoor units and CCTV cameras and automatically record the image/video.

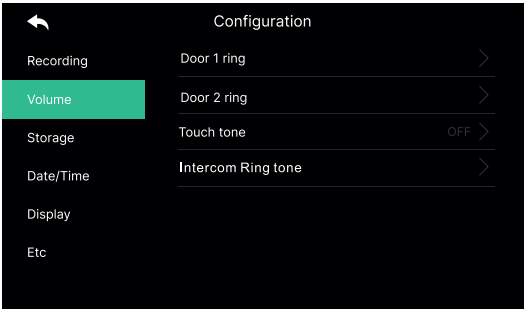
10/30/60 seconds: Select the cycle monitoring time for each outdoor panel or CCTV camera.



Important!

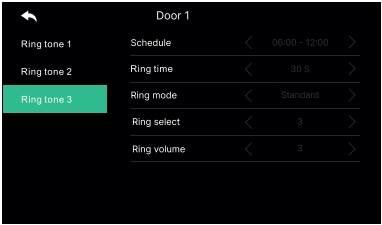
- When motion detection is activated, the unit takes 1 photo (1 shot) or records video for a duration of previously selected time (10/30/60s).
- At night or in a shaded area, the night-time lighting of the camera on the outdoor unit is permanently switched on when motion detection is activated.
- It is necessary to position the camera lens properly so that no false signals (e.g. the movement of random passers-by) appear in its range.

Volume



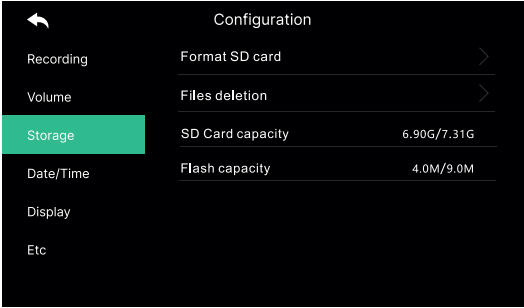
An individual ringtone can be set for each outdoor unit (6 melodies to choose).

- 1. **Door 1/Door 2** - option to set 3 different ringing schedules for 3 different time intervals (adjust the time interval for a given ring, the ringing time, the ringing mode and its melody and volume).



- 2. **Touch tone** - on/off.
- 3. **Intercom ringtone** - you can select one of the 6 available ringtones for internal calls between monitors (intercom).

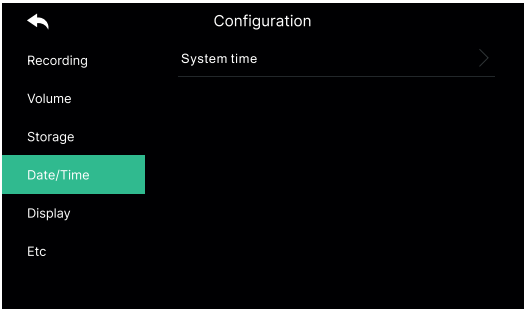
Storage



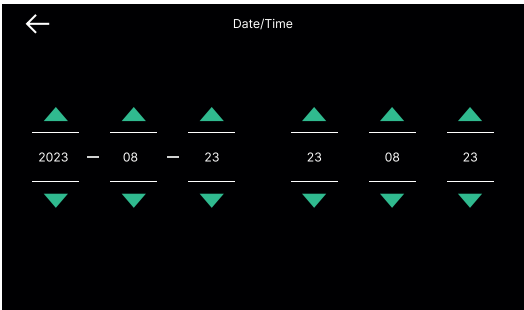
- 1. **Format SD card** - select to format the SD memory card. The process may take about 1 minute.
- 2. **Files deletion** - select the photos or videos you wish to delete.
- 3. **SD card capacity** - displays the free and total capacity of the SD card.
- 4. **Flash capacity** - displays the free and total memory capacity of the monitor.

Note: When formatting the SD card or deleting photos/videos, incoming calls are not forwarded!

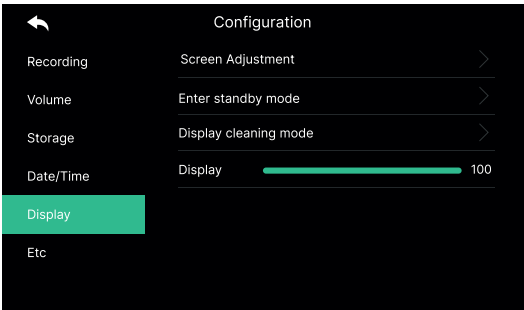
Date and time



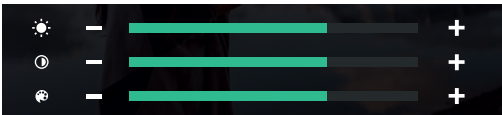
1. **System time** - set the current date and time that will be displayed on the home screen.



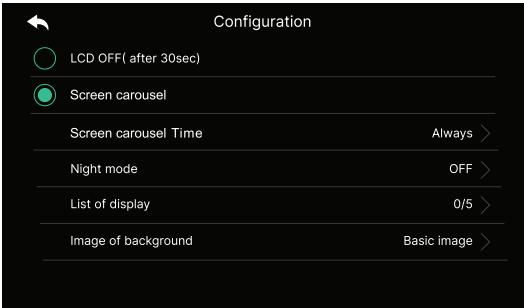
Display



1. **Screen adjustment** - brightness/contrast/colour saturation can be adjusted (settings apply to the image displayed from external camera). The settings can be adjusted from 0-20. Return to default settings by pressing the icon in the upper right corner.

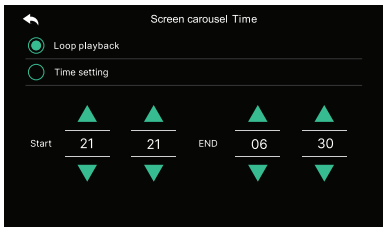
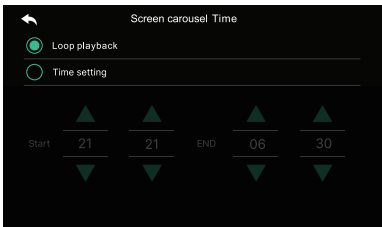


2. Enter standby mode - choose from different standby modes.

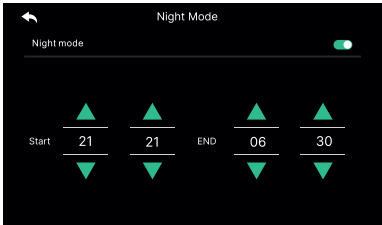


- **LCD off**(after 30 seconds) - the screen switches off after 30 seconds if no action was performed during this time.
 - **Screen carousel** - enable the screen carousel function after entering standby mode.
- Important: If motion detection and automatic recording are activated, the screen carousel cannot be activated!

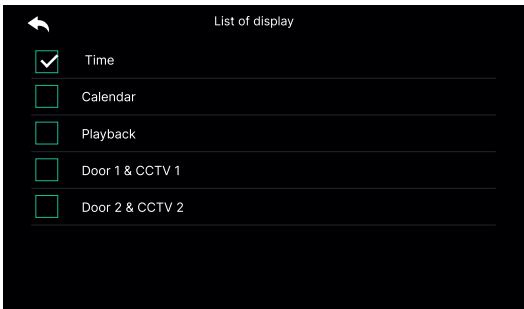
Screen carousel time - the "loop playback" option can be turned on permanently or a specific time interval can be set for it to operate.



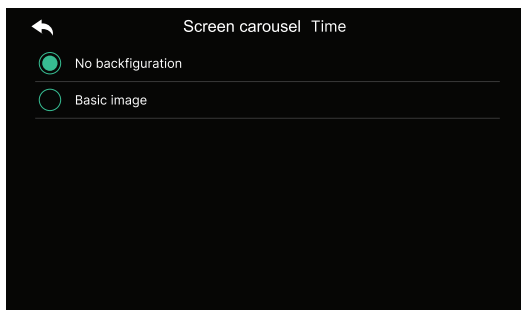
Night mode - choose to dimm the screen brightness in a given time interval.



List of display - select the features you wish to display on the monitor screen together with the screen carousel function.



Open frame time - select the background you wish to display together with the screen carousel function.



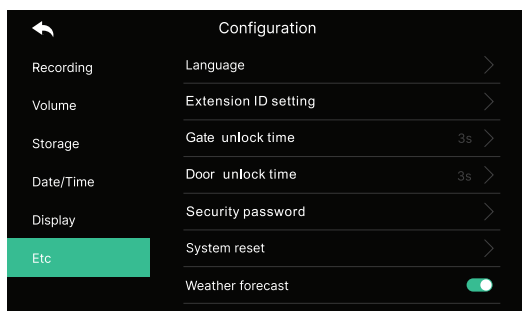
No backfiguration - the selected screen is displayed without background images.

Basic image - the background is set randomly from the images stored in the internal memory.

3. **Display cleaning mode** - when selecting this function, the touchscreen is inactive for 30 seconds.

4. **Display** - set the brightness of the menu screen.

Etc



1. **Language** - set the language of the menu, choose from: Polish, English, German, French, Portuguese, Arabic, Turkish, Korean, Russian, Spanish, Chinese.

2. **Extension ID setting** - if multiple monitors are connected, select a different ID number for each monitor.

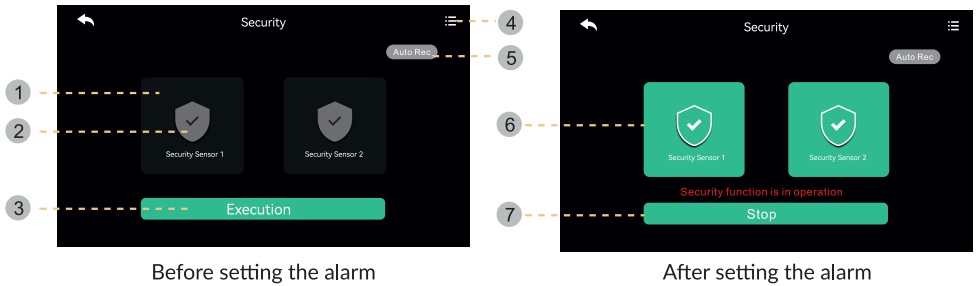
3. **Gate/Door unlock time** - configure the gate/door opening time.

4. **Security password** - default setting: 1234. The password must be set in order to deactivate the security mode or cancel the alarm (password must consist of 4 digits, combinations not allowed: 0000, 1234, 4321). Setting the password:

Enter the Security password menu and enter the current 4-digit password using the numeric keypad displayed on the screen and then enter a new password twice. If the password is lost, restore the factory settings on the device (all settings will be cleared). When the factory settings are restored, the security password is set back to 1234.

5. **System reset**

6. Security settings



Before setting the alarm

1: Sensor selection: Security Sensor 1/Security Sensor 2

2: Activate/deactivate alarm detector

3: Confirm selection

4: Alarm log: displays a list of all alarm events

5: Auto-recording: the CCTV camera will automatically start recording for 10 seconds when a security alarm is triggered. When the function is activated, it is highlighted in red.

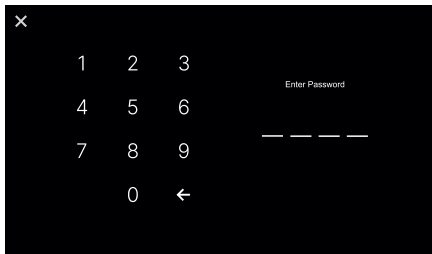
- in case of a detector 1 alarm, recording is captured by CCTV camera 1, in case of a detector 2 alarm, recording is captured by CCTV camera 2.

- if there is no SD memory card in the device, the system takes a picture instead.

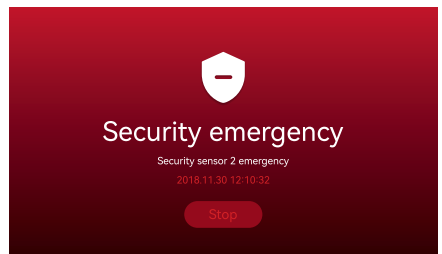
After setting the alarm

6: Indicates which detectors have the security alarm function activated.

7: Deactivate the alarm function: press the Stop button and enter the 4-digit security password (factory setting 1234).



Entering the security password



Alarm activation

When an emergency alarm is triggered, the alarm siren goes off for 1 minute. An alarm activation message is displayed on the monitor screen. The sound is emitted by the monitor.

7. **Version** - displays the current software version.

SD memory card information:

- SDHC / SDXC: 128 GB max (class 10 or higher),
- format, file system: FAT32,
- max. resolution of recorded photos/videos: 1920x1080px
- max. monitor capacity (without installed memory card): 30 images

1. Do not insert/remove the microSD card during playback, saving or formatting etc. This may cause malfunction and damage to the files.

2. When the capacity of the microSD card is full, the oldest films are automatically deleted and the newest films are saved in their place.

TROUBLESHOOTING

1. No sound and vision, no indicator lights on

- a) no supply voltage,
- b) damaged or incorrectly connected connection cable, check your installation for technical requirements page 6,
- c) check that the installation is not exposed to water, moisture ect.
- d) check that the camera lens is not obscured by an object that prevents proper monitoring.

2. No vision, audio can be heard correctly

- a) check that all connections are made correctly in terms of technical requirements,
- b) check that the camera lens is not obscured by an object that prevents proper monitoring.

3. No sound during the call

- a) ensure that the volume on the monitor is not set to the lowest setting,
- b) ensure that there are no objects near the device that may cause interference,
- c) check that all connections are made correctly in terms of technical requirements.


4. No connection with an outdoor unit after pressing the call button

- a) check that all connections are made correctly in terms of technical requirements.



5. The electric door strike does not open every time

- a) check whether the electric door strike works independently by connecting it to the required voltage, etc.,
- b) check that the parameters of the electric door strike are consistent with the operating manual.

6. The caller cannot be heard after answering the call

- a) press the  button to activate two-way intercom,
- b) check that all connections are made correctly in terms of technical requirements.

7. The caller can be heard after answering the call but cannot be responded to

- a) press the  button to enable two-way intercom (pressing the  button on the monitor means that the outdoor unit cannot hear the indoor unit).
- b) check that all connections are made correctly in terms of technical requirements.

CLEANING AND MAINTENANCE

- The monitor should not be placed in a location exposed to high temperatures, in direct sunlight or high humidity (e.g. bathroom),
- The monitor should not be placed near a TV or other objects that may cause interference of the signal,
- Do not touch the device with wet hands,
- Clean the camera lens with a dry cloth. Do not use chemical cleaners,
- Do not place the camera in direct sunlight,
- Make sure there is no signal interference before mounting the device in the desired location,
- Avoid switching off the device during recording, data may be lost.

TECHNICAL DATA

Device type	single-family
Installation method	4-wire
Communication system	wired
Monitor	
Screen size	7" TFT, touchscreen
Resolution	1024x600
Functions	call, monitoring, electric strike and gate control, answering machine, parameters adjustment: brightness and contrast of the image, saturation of colours, ringtone and call volume adjustment
Number of ringtones	6
Call time	60 seconds
Monitoring time	30 seconds
Memory card	max. 128GB, class 10
Internal memory	maximum of 30 images
Power supply	15V DC, 1A
Power consumption	standby <2.5W, work <4W
Working temperature	-20°C ~ +50°C
Installation	surface-mounted
Dimensions	181 x 181 x 19mm
Net weight	0,38kg
Outdoor unit	
Sensor type	CMOS 1/2.7"
Resolution	2MP, 1920x1080, 1080P
Viewing angle (vertical/horizontal)	54° / 112°
Night-time lighting	IR
Number of diodes	4
Night vision range	1m
Access control - RFID reader	125kHz, max. 24 users
Electric strike control	12V DC, max. 350mA
Degree of protection	IP55
Power supply	from monitor 12V DC
Working temperature	-20°C ~ +50°C
Power consumption	standby <0.5W, work <3W
Installation	surface-mounted
Dimensions with rainshield	87 x 168 x 40mm
Dimensions without rainshield	79 x 159 x 30mm
Net weight	0.212kg