

vibell

CE

VIDEO MONITOR

OPERATING AND INSTALLATION INSTRUCTIONS
Model: OR-VID-EX-1060PMV



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Please read this manual carefully before connecting and using the device. In case something written herein is unclear, please 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. Nevertheless, the device installation by qualified personnel is recommended.

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. 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 or repair the device yourself.
5. Do not use the device contrary to its dedication.
6. Do not install the monitor near equipment that emits a strong magnetic field such as television, loudspeakers.
7. Do not install the monitor in a location exposed to high humidity, vibration, shock or strong sunlight.
8. Turn off the power if there are any "not normal" sounds coming from the device.
9. After installation and mounting, remove the protective film from the monitor screen.

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.

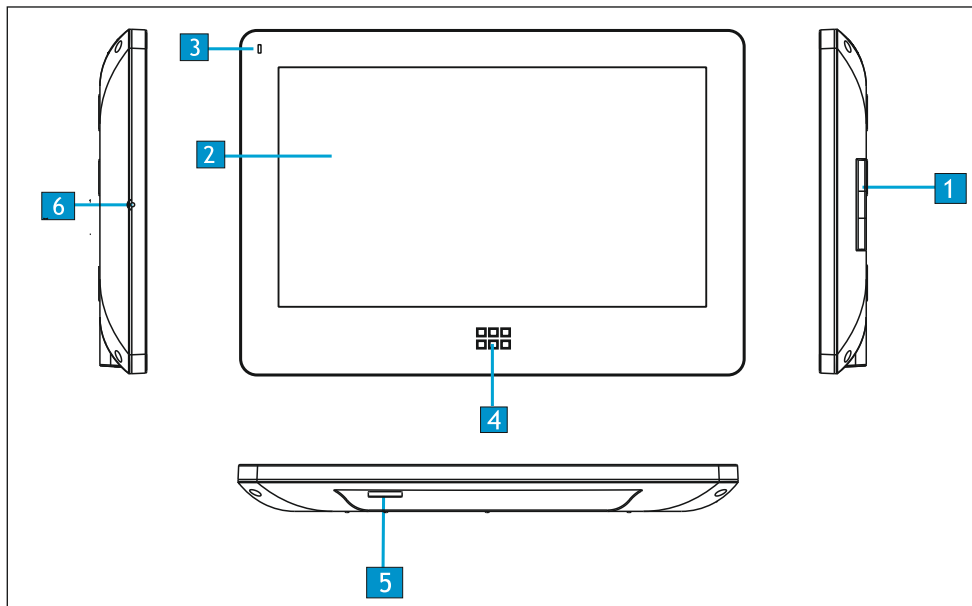



The marking means at the same time that the equipment was placed on the market after August 13, 2005. It is the responsibility of the user to hand the used equipment to a designated collection point for proper processing. Used equipment can also be handed over to the seller, if one buys a new product 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!

MAIN FEATURES AND FUNCTIONS

- Part of the Vibell video intercom system
- 7" high resolution colour LCD screen
- Ultra-slim, hands-free monitor
- Touch screen panel
- OSD menu in Polish and English
- Memory module
- Slot for external SD card
- DVR monitoring function (recording of video sequences)
- Answering machine function
- Alarm clock and timer
- Intercom function with additional monitor
- 7 ringtones to choose from
- Adjustment of brightness, color and volume of ringing and calling
- Expandable with additional video door entry cameras and CCTV cameras
- Allows you to hold a conversation with a person at the entrance and simultaneous observation on a monitor screen
- Remote control of an electric door strike (not supplied) and an automatic gate control unit

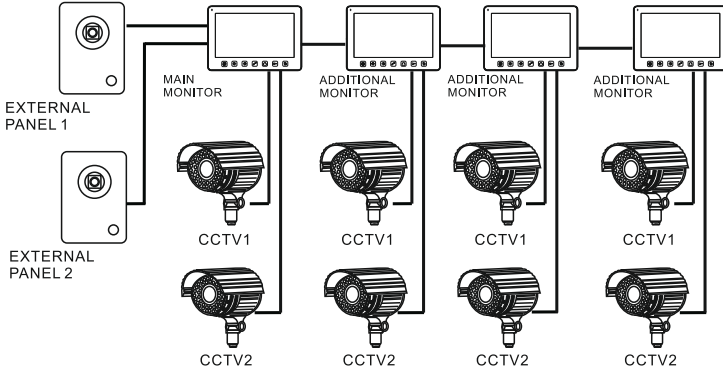
CONSTRUCTION OF MONITOR



Nr	Lp.	Functional description
1	Loudspeaker	
2	LCD	
3	Indicator	Power indicator
4	Button 	Entry to main menu
5	MicroSD card slot	
6	Microphone	

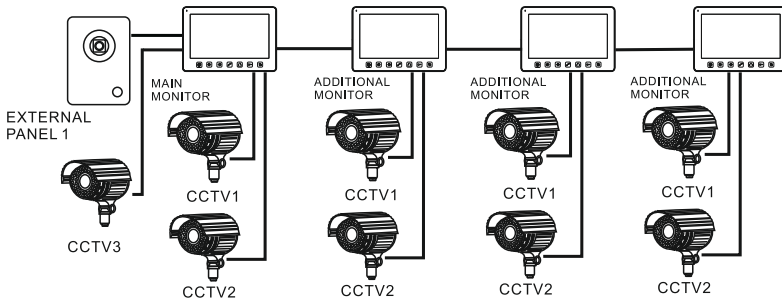
1. Port 2 external panel connection

The system can support up to 1 main monitor, 3 additional monitors, 2 external panels with camera and 8 CCTV cameras.



2. Port 2 connection of CCTV cameras

The system can support up to 1 main monitor, 1 external panel with camera, 9 CCTV cameras and 3 additional monitors.



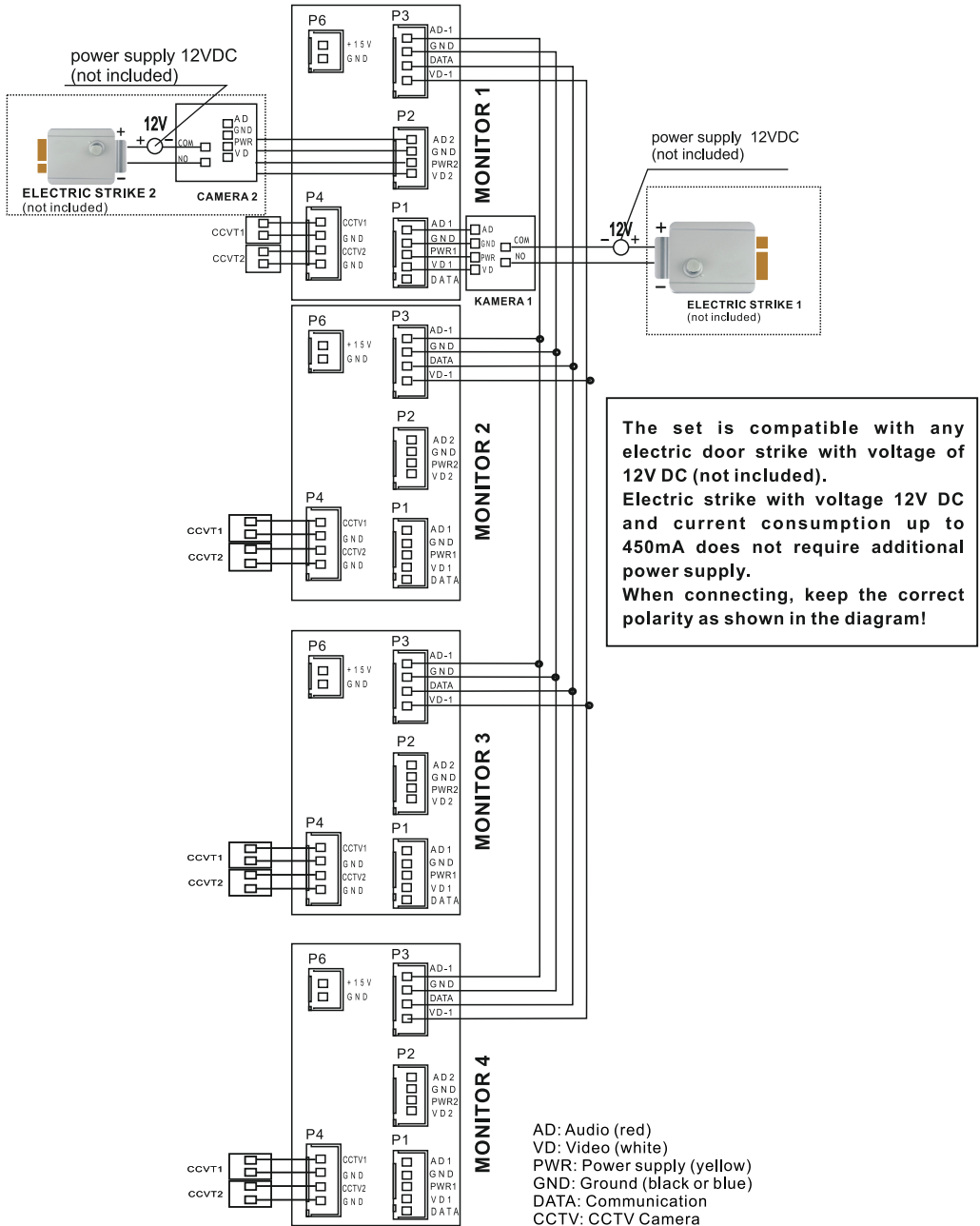
While designing the wiring system, take into account the suitable cross-section of cables:
 up to 30 m - recommended cable XzTKMXpw 3 x 2 x 0.5 mm²
 from 30 m to 100 m - recommended cable XzTKMXpw 3 x 2 x 0.8 mm²

The connection to the electromagnetic lock should be made with 2 x 1 mm².

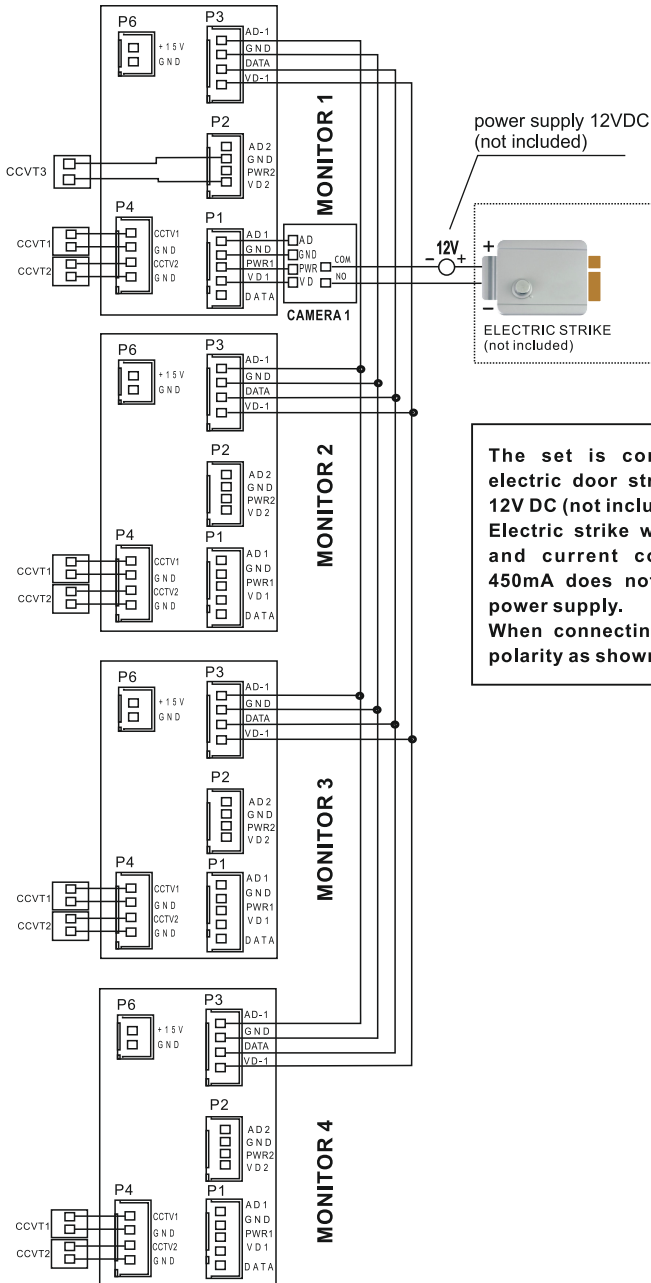
The set is compatible with any electric door strike with voltage of 12V DC (not included). Electric strike with voltage of 12VDC and current consumption up to 450mA (not included) does not require additional power supply. When connecting, keep the correct polarity as shown in the diagram!

The total length of the installation must not exceed 100 meters.
 The use of twisted-pair cables is absolutely not recommended.

Wiring diagram 1



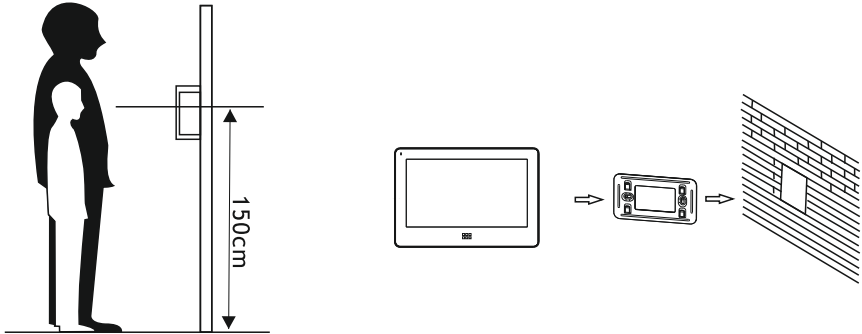
Wiring diagram 2



The set is compatible with any electric door strike with voltage of 12V DC (not included). Electric strike with voltage 12V DC and current consumption up to 450mA does not require additional power supply. When connecting, keep the correct polarity as shown in the diagram!

MOUNTING

1. Specify the mounting position of the monitor:
2. Suggested height 1.5~1.6 metres;
3. Detach the mounting frame from the back of the monitor.
4. Mount the frame on the wall.
5. Connect the wiring as shown in the wiring diagram.
6. Attach the monitor to the mounting bracket.
7. After installing the external panel, connect the power supply.



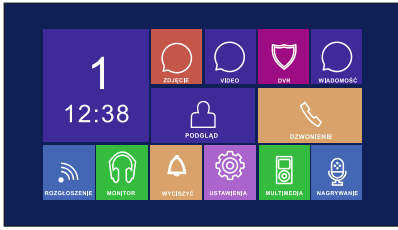
Before drilling holes it is recommended to test the operation of the device. For this purpose connect the device according to the wiring diagram. After a thorough check, proceed to making mounting holes after switching off the power supply.

CABLE SPECIFICATIONS


Video intercom cables should not be laid in one cable with cables of other installations e.g. doorbell, alarm etc. Any power and telecommunication cables emitting strong magnetic fields (e.g. loudspeakers, TV set) in direct contact with the wires connecting the external panel with the monitor may adversely affect the set's operation.















Notes: Refer to the manual of the outdoor panel OR-VID-EX-1057KV, OR-VID-EX-1061KV, OR-VID-EX-1062KV, OR-VID-EX-1063KV for a detailed wiring diagram of the electric door strike.



MAIN SYSTEM MENU

In standby mode, touch the button on the monitor panel  to enter the main menu. To close the menu, swipe to the left.

 <p>PHOTO</p>	Browse/delete saved images	If there are new/unviewed photos, NO will appear in the right corner.
 <p>VIDEO</p>	Review/delete saved movies	If there are new/unwatched videos, NO will appear in the right corner.
 <p>DVR</p>	Browse/delete DVR files	
 <p>MULTIMEDIA</p>	Browse/delete files stored on the Micro SD card	
 <p>MESSAGE</p>	Browse/delete recorded audio files Change the message signal	If there are new/unwatched audio files, NO will appear in the right corner.









	Record audio files	
	Calendar	Displays date, day and time
	External panel view	Enter monitoring mode of external panel
	Call transfer	Enter call transfer mode
	Announcement	Transmission to other monitors
	Listening	Enter listening mode
	System settings	Enter system settings

OPERATION MENU

The system supports 5 different activities:




1. Clicking: clicking on any empty point on the screen will display the operation menu. To hide the menu, click again.
2. Move left: Move left to return to the previous menu
3. Move right: Hide menu in multimedia user panel / view next image.
4. Move up: in the system settings, moves to the last page.
5. Move down: in the system settings it moves to the last page.


If the monitor is in monitoring or talk mode the following menu will appear on the right hand side of the screen:

Descr icons								
	Recording	Call ending	Call/ Transfer connection	Switching monitor	Monitor parameters adjustment	Image capturing	Save	Unlock


Receiving incoming calls

Pressing the call button on the external panel will cause all connected monitors to emit a ringing tone and the LCD screen will display the message "CALL COMING".

Touch icon  to start a call (call duration is 60 seconds) If you want to remotely unlock the door, tap the icon  . The message DOOR OPENING appears on the screen 1. If you want to open the gate remotely, touch the icon  .



1. If a new call is received during the call, the message GUEST AT THE DOOR 2 will be displayed. To go to the second call, touch the icon  .

2. While talking to a guest, you can transfer calls to other monitors in the system.




If you want to transfer the call to another person, click the  .

(The message TRANSFER TO OTHER ROOMS will appear on the screen).



Volume level adjustment


In call/intercom mode, click the icon  to enter the volume control menu, then click  or  to adjust the volume.


Brightness/color/contrast adjustment

When the screen is turned on, tap the icon  to adjust the volume first, and then click on the icon again to enter the adjustment menu BRIGHT/COLOR/CONT, click  or  to adjust brightness, colour and contrast.

Monitoring - control of external panels or CCTV cameras



In standby mode, tap on the monitor  to enter the main system menu, and then tap the icon  . You can display images from the connected outdoor panel and CCTV cameras.

While monitoring the outdoor panel, you can mute the bell microphone. To do this, tap the icon  .

If the microphone is in normal mode, click  to open the door.



If the system is extended with additional monitors (maximum 4), the following operations can be performed.

Intercom functions

In monitor standby mode, touch  to enter the main system menu and then tap the icon  to activate the function. If you have more than 2 monitors connected to each other you can select the NR of the target monitor on the screen.



Transmitting function

This function allows information to be transmitted to all monitors in the house.

In standby mode touch  to enter the main system menu, then tap the icon  .

The screen will show SEND REQUEST and the other monitors will show SEND. You can now start transmitting.

Sound monitoring

To activate the function enter the main system menu by touching , then tap the icon .

If you have more than 2 internal monitors connected, you can click the NR of the target monitor on the screen.

Important:

a: In audio monitoring mode, the user can listen to the sounds in the monitored room, but the persons in the room being monitored will not hear the monitoring person's voice.



b: The audio monitoring function is only available when the MAY BE MONITORED on the desired monitor has been enabled. Check the system menu to see how to activate the MAY BE MONITORED function.

Image capturing

1. Automatic image capture: "Automatic capture quality" should be set to 1, 2 or 3 in SYSTEM SETTINGS. The system will automatically take and save pictures when a visitor rings the doorbell.

2. Manual image capture: In talk and monitoring mode, tap the icon , to capture an image manually. The screen displays the IMAGE CAPTURED.

Auto DVR function

To activate the function, enter the main system menu by tapping , then touch the icon .

It is possible to record video images from the camera of an external panel or CCTV camera at a preset time.

Important:


(a) DVR function does not record sound.


(b) To fully utilise the DVR function, an 8G microSD card must be connected.

(c) To obtain a high quality video image, please select the resolution: 640* 480.

(d) If you set a start date and an end date at the same time, the DVR function will start immediately within 24 hours and remain permanently on.

VIDEO manual recording


In call or monitoring mode, touch the icon  to record the image manually.


Tap the icon again  to complete the registration.

Answering machine

This function allows your guests to leave a voice message when no one is home. Activate the AUTOMATIC LEAVING OF VOICE MESSAGE function in the SYSTEM SETTINGS menu before leaving the house. After the guest presses the call button on the external panel and no one answers before the bell signal ends, the guest will hear the message "Good morning, no one is in home at the moment, please leave a message after the signal" and the guest will have 20 seconds to record their message.

Changing the answering machine message


If you want to change the answering machine message in the system menu, press the  and register your voice message.

Then exit the current function and press the icon .

The screen will display the recorded AUDIO files as shown in Figure 1.



fig. 1

Touch the audio file you want to set as the start signal and then touch the icon (Signal setting) to enter the "ALARM TONE SETTING" menu. ALARM TONE" as in Fig. 2 

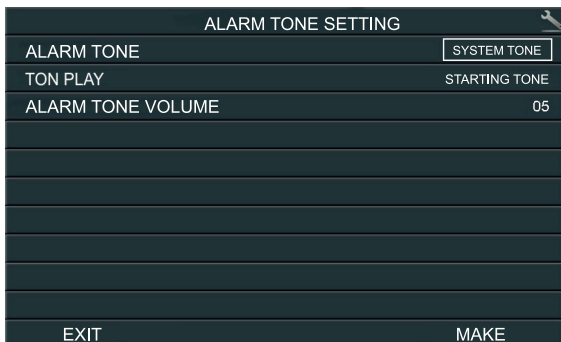


fig. 2

To change the ALARM TYPE option, touch the SYSTEM TONE or USER TONE icon.

PLAY TONE: you can set a separate welcome message and a separate goodbye message by clicking: STARTING TONE or ENDING TONE

To change the message volume set the ALARM TONE VOLUME from 01 to 10 by clicking the desired value.

To confirm the settings touch MAKE or to cancel touch EXIT.


Alarm clock and electronic calendar

1. Settings of the TIMER should be made in the main menu in the SYSTEM SETTINGS.
2. When the alarm clock is activated, you can turn it off by clicking the bell icon in the upper left corner of the screen.
3. When the image as shown in figure 3 appears on the screen, click on the clock in the left corner of the screen and the time displayed in the right corner, then set the appropriate parameters.




fig. 3

View photos, videos, DVRs and media files

In standby mode press  to go to the main system menu. The number of unviewed files is displayed as a red icon in the right-hand corner of the screen. The file names consist of the date and time the file was created, for example 01-02-2012 11:30:20 means the file was created at 11:30:20, 1 January 2012. This makes it easy for you to check the save time and file names.

1.Photo preview:

Touch icon  to access the list of photo files, then click on the desired file.

Click  or  to view your photos.

The images will change automatically every 5 seconds.



If you want to leave the image gallery, click the icon  to return to the previous menu.



fig. 4

2. Video preview:

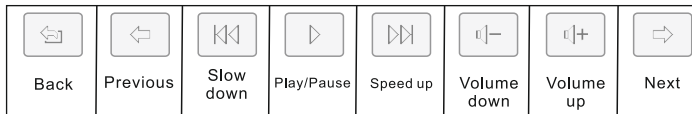
Touch icon  to access the list of photo files, then click on the desired file.

To play the video click on the appropriate icon,


to exit click .




fig. 5



3.Play from DVR:

Touch icon  to access DVR files. Follow the same procedure as for playing video files (video preview).

4.Browse multimedia files:


Touch icon  to access to view media files.

By following the steps as above, you can view image files and play music (photo preview).

Important:

If a microSD card has not been installed in the unit, you can view images stored in the monitor's internal memory.

Deleting single files and folders

If you want to delete a file or folder, select the file or folder to delete from the list and then click  and then DELETE to confirm or EXIT to cancel.

IMPORTANT

You can delete image, audio or DVR files in the same way.

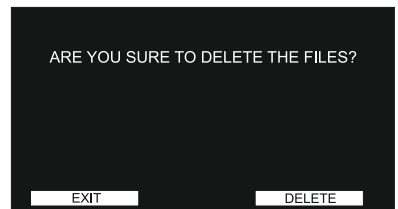


fig. 6

Image capturing, video recording and DVR parameters

Image capturing function

Memory place	Resolution	Image quality
Internal flash memory	320x240	More than 64 pieces
External microSD card	640x480	Depends on microSD card capacity

Video recording function

MicroSD card capacity	Resolution	FPS
1G	320x240	2
2G	320x240	5
4G	320x240	10
>8G	640x480	10

DVR function

MicroSD card capacity	Resolution	FPS	Video recording time
<2G	No DVR function		
2G	320x240	1	Over 24 hours
4G	320x240	1, 2, 5	After setting the frame rate to 1 - more than 48 hours
8G	320x240	1, 2, 5, 10	After setting the frame rate to 1 - more than 96 hours
>16G	320x240 or 640x480	1, 2, 5, 10	After setting the frame rate to 1 and resolution 320x240 - more than 192 hours

Important: (a) Video recording time will vary depending on the material being recorded (In the worst case, a 2G card can record 28 hours of video at 320*240 resolution and 1 frame per second; in the best case, over 72 hours of video can be recorded).

(b) If system users save the system audio in their own language, we suggest that the save time should not exceed 20 seconds; otherwise the files may be deleted when formatting the microSD card.

System settings

After entering the main system menu, click  to enter the system settings menu as shown in Figures 7, 8, 9.

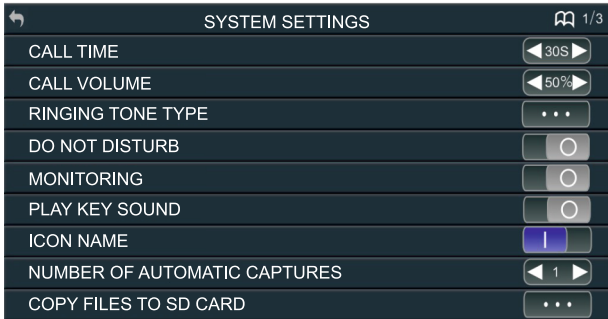


fig. 7

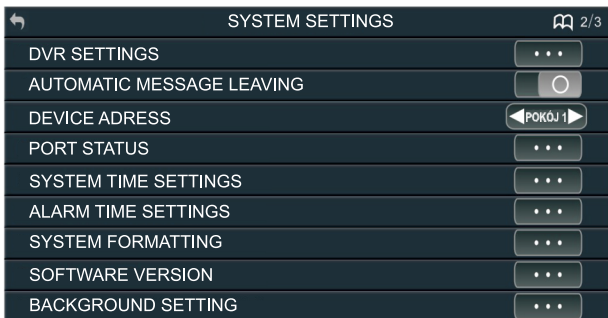


fig. 8

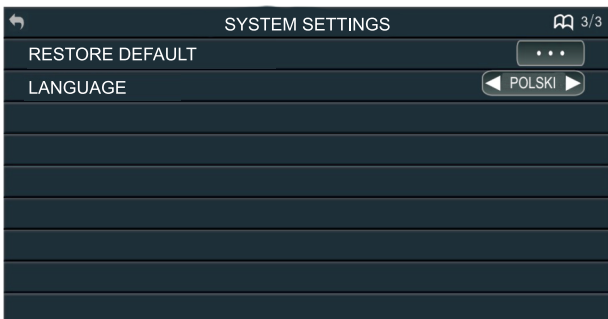



















fig. 9

No.	Setting items	Options	Notes
1-1	RINGING DURATION	10S/15S/20S/25S/30S/ 35S/40S/45S/50S/55S/60S	Ring time
1-2	RINGING VOLUME LEVEL	10~100%	
1-3	RINGING TYPE	DOOR 1 RING TYPE DOOR 2 RING TYPE INTERCOM RING TYPE	00-07
		BACK TO TONE	The ringing tone will be repeated if the option is 
1-4	DO NOT DISTURB		The internal monitor will be muted when someone presses the ringer/answers an internal call/starts a transmission
			

No.	Setting items	Options	Notes
1-5	MONITORING		
			
1-6	PLAY KEY SOUND		
			
1-7	ICONS NAME		No icon name is displayed on the screen
			Icon's names are displayed on the screen
1-8	AMOUNT OF AUTOMATIC CAPTURE	OFF	Do not capture images automatically
		1	Automatic capture of 1 image
		2	Automatic capture of 2 images
		3	Automatic capture of 3 images
1-9	COPYING FILES TO SD CARD	EXIT	
		COPY	
2-1	RECORDER SETTINGS	RECORDER ON	
		MOTION SENSOR SENSITIVITY	
		START TIME	DVR starts recording
		END TIME	DVR ends recording
		NUMBER OF CAGES	
		RESOLUTION	
		SCREENSAVER TIME	
		RECORDING SOURCE	


No.	Setting items	Options	Notes
2-1-1	RECORDER ON		DVR will start recording at START TIME
			
2-1-2	MOTION SENSOR SENSITIVITY		Indicates the sensitivity for starting the motion detector
		LOW	
		MEDIUM	
2-1-3	START TIME	HOUR: MINUTE	
2-1-4	END TIME	HOUR: MINUTE	
2-1-5	NUMBER OF CAGES	1/2/5/10 CAGES	Depends on MicroSD card capacity
2-1-6	RESOLUTION	320*240	Depends on MicroSD card capacity
		640*480	
2-1-7	RECORDNG SOURCE	DOOR1	
		DOOR2 (option)	
		CAMERA1 (option)	
		CAMERA2 (option)	
2-1-8	SCREENSAVER TIME	NEVER/01/02/03/04/05/10/15/20/25/30/35/40/45/50/55/60MIN	After the set time, the screen will switch off
2-2	AUTOMATIC MESSAGE LEAVING		
			
2-3	DEVICE ADDRESS	ROOM 1/2/3/4	If the same addresses are set, this option will be displayed in red
2-4	STATUS PORT	PORT 2 STATUS	
		DOOR2 CAMERA3	
		CAMERA1	
		CAMERA 2	

No.	Setting items	Options	Notes
2-5	SYSTEM TIME SETTINGS	DATE: DAY-MONTH-YEAR TIME: HOUR:MINUTE:SECOND	
2-6	ALARM TIME SETTINGS	ALARM TIME1 ALARM TIME 2 ALARM TIME 3 ALARM TIME 3 ALARM TIME 4 ALARM TIME 5 ALARM TIME 6 RING TYPE	1. Each alarm clock can be set independently 2. From the set time, the alarm will sound every 50 seconds until the alarm clock is switched off in the menu 00-07
2-6-1	ALARM TIME	STATUS	
		CYCLE MODE	There are 4 cycles available: SINGLE/WEEK/MONTH/YEAR
		CHOICE OF WEEK	Works only with week type
		TIME	
		DATE	
2-6-1-1	STATUS	 	The alarm will sound at the set time

No.	Setting items	Options	Notes
2-6-1-2	CYCLE MODE	SINGLE	
		WEEK	
		MONTH	
		YEAR	
2-6-1-3	CHOICE OF WEEK	SUNDAY	You can set the status for each day by using on/off to create an alarm group
		MONDAY	
		TUESDAY	
		WEDNESDAY	
		THURSDAY	
		FRIDAY	
2-6-1-4	TIME	HOUR: MINUTE	
2-6-1-5	DATE	YEAR-MONTH-DAY	In single mode, YEAR, MONTH, DAY options are active; in Week mode, all options are inactive; in Month mode, only the Day option is active; in Year mode, only MONTH and DAY options are active
2-7	SYSTEM FORMATTING	ERASING FLASH MEMORY	
		DELETING	
2-8	SOFTWARE VERSION		
2-9	BACKGROUND SETTING	IMAGE1: COLOR1/2/3/4/5/6/7	
3-1	RESTORE DEFAULT		
		RESTORE	
3-2	LANGUAGE	POLISH, ENGLISH, RUSSIAN	

OR-VID-EX-1060PMV

Configuration of gate control settings

Turn the power off, turn the power back on after 30 seconds, and quickly touch and hold your finger in the centre of the display (matrix). When the message appears: "Please set the system time" remove your finger from the display, touch and hold the , until the advanced settings menu appears on the screen.

UNLOCKING TIME - electric strike opening time (factory setting 05 S change to 08S)

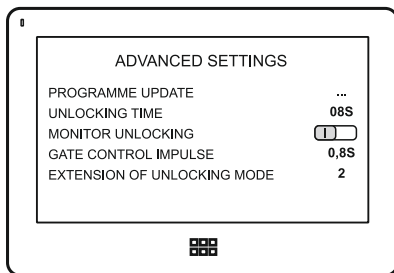
MONITOR UNLOCKING - function used in multi-location systems

GATE CONTROL IMPULSE - factory set as closed (concealed), after connecting the gate control unit it is possible to change the opening time to 0.2 seconds or more.

Extension of the unlocking mode:

for video cameras VIBELL set 2

To exit Advanced Settings press the Main Menu button, your settings will be saved.



PROBLEM SOLVING

1. No sound or vision

- a) no supply voltage,
- b) broken or incorrectly connected monitor.

2. Unclear picture

- a) check and adjust settings.

3. Numerous interferences in the picture, no synchronicity (picture blinks)

- a) the connection cable has a cross-section not suited to its length,
- b) connection too long - use shielded cable,
- c) bad quality of cable,
- d) strong source of electromagnetic interference - use shielded cable.

4. Audio on the monitor is coupling

- a) check your installation against the technical requirements,
- b) check that the installation is not exposed to water and moisture etc.

5. Electric strike does not open every time

- a) check the independent operation of the electric door strike.

6. Scratched monitor

- a) check that the protective film is removed from the screen.

TECHNICAL DATA

Power source	15V DC
Power consumption	9W max., 1W (standby)
Working temperature	0°C to +50°C
Humidity	0% to 95%
Display panel	7"
Intercom function	Hands-free
Wiring	4-wires
Dimensions	185x127.5x18mm
Weight	0.385kg

PRODUCER

ORNO-LOGISTIC Sp. z o.o.

ul. Rolników 437, 44-141 Gliwice, tel. 32 43 43 110, www.orno.pl

09/2021