

# entra

GB

## VIDEOMONITOR WI-FI VP-209WHDWI-FI / VP-209BHDWI-FI



# zameL

Zamel Sp. z o.o., ul. Zielona 27, 43-200 Pszczyna  
tel.: +48 32 210 46 65, +48 32 449 15 00, fax: +48 32 210 80 04  
e-mail: [marketing@zamel.pl](mailto:marketing@zamel.pl)  
[www.zamel.com](http://www.zamel.com)

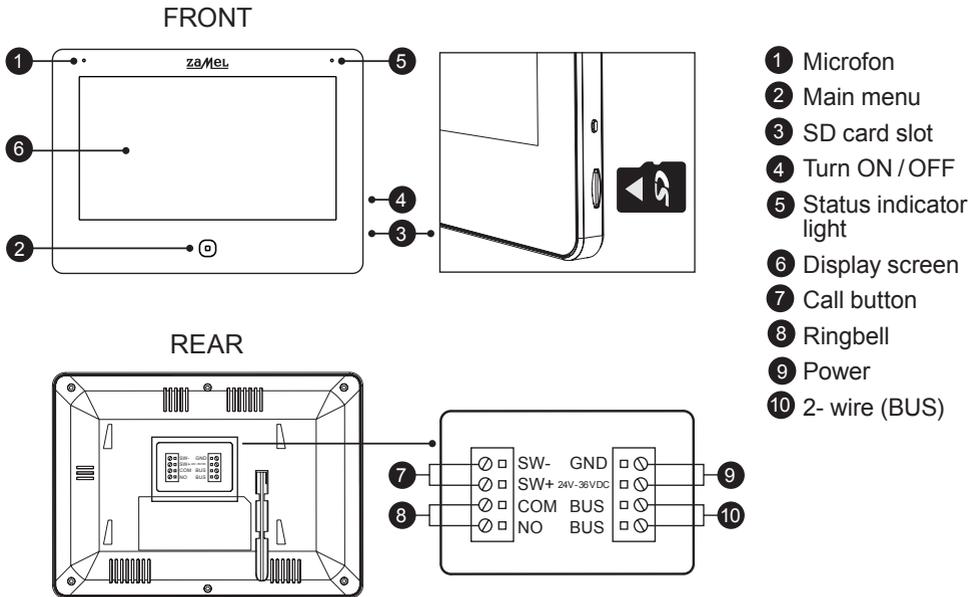


Do not dispose of this device with other waste! In order to avoid harmful effects on the environment and human health, the used device should be stored in designated areas. For this purpose, you can dispose of household waste free of charge and in any quantity to a collection point set up, as well as to the shop when you buy new equipment.

- Thank you for purchasing our products.
- Products, including their design and software, are subject to change without prior notice.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.
- Before using the product, read this user manual carefully and follow the provisions contained therein.
- The Guide is for reference only. If there is inconsistency between the Guide and the actual product, the actual product shall prevail.
- Implemented improvements on the product may lead to some differences between the actual device and the one described in the manual. To obtain the latest version of the software documentation and additional documentation, please contact customer service.
- In case of any doubts or ambiguities, please contact our customer service department.

## INFORMATION PART

### APPEARANCE



### PACKAGE CONTENTS



Monitor



Wall bracket



2 x Expansion bolt



2 x M4 x 30 fixing screws



Warranty Card



User manual

## TECHNICAL SPECIFICATION

Screen:	7" touch screen IPS 1024 x 600 p
Operation system:	Linux
Mounting:	surface
Power supply:	24 ÷ 36 V DC
Power consumption:	7 W (max.), 4 W (standby)
Video compression standard:	H.265 (default), H.264
Audio communication mode:	two-way (full duplex)
Maximum number of monitors:	10
Maximum number of CCTV cameras and outdoor panels:	8
Wi-Fi standard:	2.4GHz & 5 GHz 802.11 a/b/g/n
Network protocol:	TCP/IP, RTSP, SIP
Connection (BUS):	2-wire BUS
Internal memory:	128 MB
Support for external memory:	Micro SD Card max. 128 GB
Motion detection:	support
Detection of human forms:	support
Rejestracja obrazu wideo:	support
Voice support:	Google Assistant, Amazon Alexa
Possibility to divide the screen into 4 parts with scrolling option:	support
Personalized ringtones:	possibility of uploading AAC ringtones
Personalized backgrounds for the display:	possibility of uploading
Mobile application:	NaviHome, Smart Life, Tuya Smart (iOS, Android)
Operating temperature:	-10 ÷ +50°C
Operating humidity:	10 ÷ 90%
Product dimensions:	188 x 136 x 22 mm
Weight:	400 g

## CONFIGURATION PART



Before starting the configuration, you must install the mobile application on your mobile device.

App Store



Google Play



### 1. Configuring outdoor panel.

#### 1.1. Connecting the monitor to a local network via wired LAN.

Step 1: At the standby state, press , to enter system main menu, Click , to enter the interface as Figure 1, then click "ADD NEW DEVICES" to see Figure 2.

Step 2: Click on the Door Panel to be added in the device list. In the case of a multi-family outdoor panel equipped with two or more buttons, at this stage a list of available buttons that can be programmed will be displayed on the monitor screen (Figure 5). You must then select which

button (F1, F2, etc.) the paired monitor should be assigned. Assigning a selected button on one monitor, understood as Family 1, will prevent its reassignment on another monitor, understood as Family 2.

Step 3: After successfully adding the device address, the device address will be showed on the right as Figure 3.

Step 4: Connection with mobile APP.

### (1) QR code scanning mode to connect to mobile application

Step: To quickly connect to the mobile application, scan the QR code displayed on the monitor screen. Select "Add Device" or the button in the upper right corner of the screen /  →  (select "Scan QR code" from the list) → Scan the Wi-Fi QR code on the monitor (like Figure 4) → Done.

### (2) Wired connection mode to connect to the mobile application

Step: An alternative way to connect to the mobile app is to follow the steps given below. Select "Add Device" or the button in the upper right corner of the screen /  → Camera & Lock → Smart Camera (Wi-Fi) → QR Mode ⇌ → Cable → Next → Add → Done.

**REMARK:** Please confirm that the mobile phone, indoor monitor and door panel are in the same Local Area Network. Wired connection of the video intercom system with the router serving a local network is only possible when using the VP-SW2 signal distributor. The use of VP-PWRW2 and VP-PWRW3 power supplies to power the system only enables wireless connection to the router.

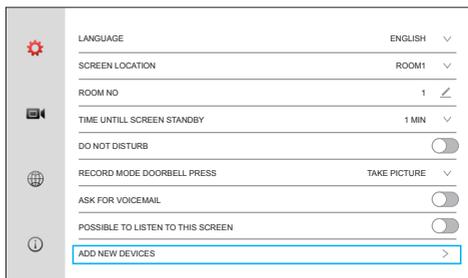


Figure 1

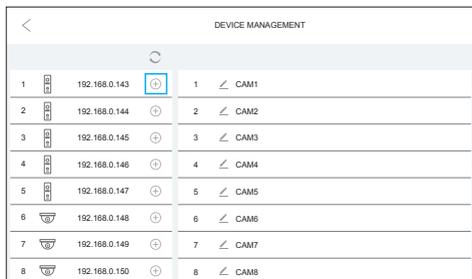


Figure 2

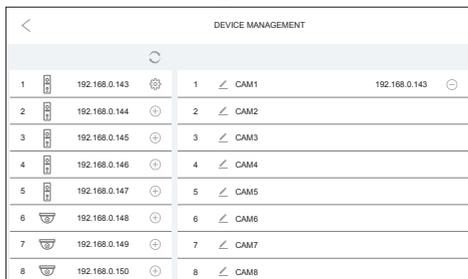


Figure 3



Figure 4

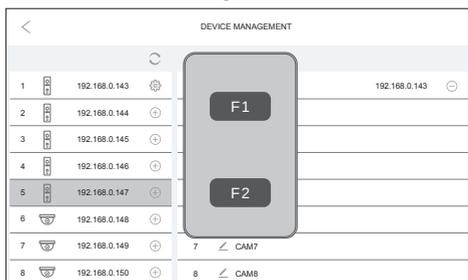


Figure 5

## 1.2. Connecting the monitor to a local network via Wi-Fi.

Step 1: Connecting to a Wi-Fi network from the mobile application. Enter the setting menu and select Wi-Fi in the network setup interface to enter the Wi-Fi setting interface as shown in Figure 6.

Step 2: After turning on Wi-Fi, a Wi-Fi list will pop up, click the Wi-Fi account in the list, enter the password and connect to Wi-Fi, as shown in Figure 7 & 8.

- Step 3: At the standby state, press , to enter system main menu, Click , to enter the interface as Figure 9, then click "ADD NEW DEVICES" as shown on the figure.
- Step 4: Click on the Door Panel to be added in the device list as Figure 10. In the case of a multi-family outdoor panel equipped with two or more buttons, at this stage a list of available buttons that can be programmed will be displayed on the monitor screen (Figure 5). You must then select which button (F1, F2, etc.) the paired monitor should be assigned to. Assigning a selected button on one monitor, understood as Family 1, will prevent its reassignment on another monitor, understood as Family 2.
- Step 5: After successfully adding the device address, the device address will be showed on the right as Figure 11.
- Step 6: To quickly connect to the mobile application, scan the QR code displayed on the monitor screen. Select "Add device" or the button on the right top corner of the screen   (select "Scan QR code" from the list)  Scan the Wi-Fi QR code on the monitor (like Figure 12)  Done.

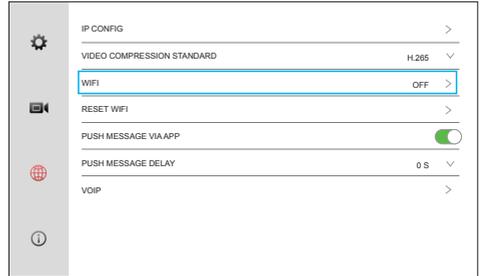


Figure 6

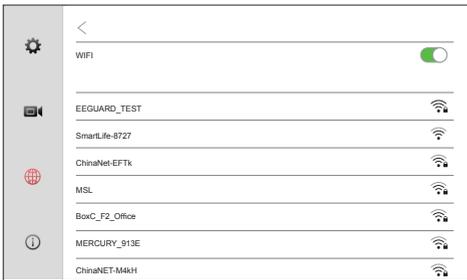


Figure 7



Figure 8

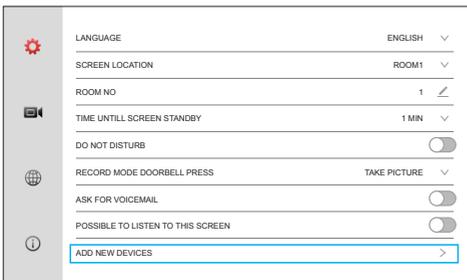


Figure 9

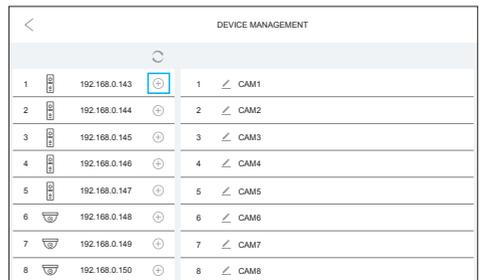


Figure 10

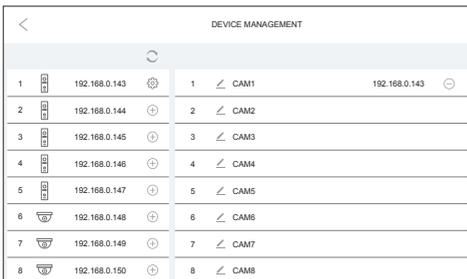


Figure 11



Figure 12

## 2. Configuring IP camera, automatically add IP cameras.

Step 1: At the standby state, press  to enter system main menu. Click  to enter the interface as Figure 13, then click "ADD NEW DEVICES" as shown on the figure.

Step 2: Select the camera to be added to new devices from the list of available devices by clicking the plus sign to its right, as shown in Figure 14.

Step 3: After successfully adding the device address, the device address will be showed on the right as Figure 15.

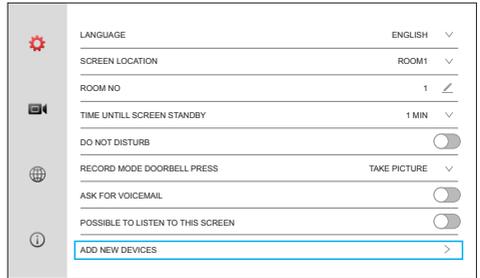


Figure 13

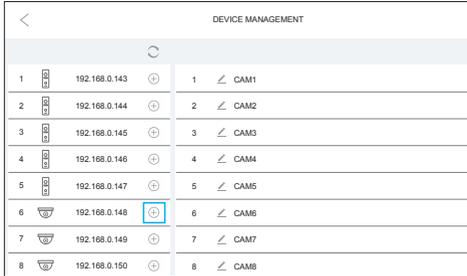


Figure 14

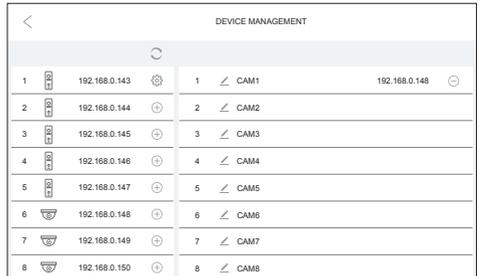


Figure 15

## 3. Configuring the door panel to NVR.

Step 1: While in the "DEVICE MANAGEMENT" mode, select the icon shown in Figure 16 , to enter the interface as Figure 17.

Step 2: In the interface shown in Figure 17, select RTSP in the setting list to enter the setting interface as shown in Figures 17, 18 and 19.

Step 3: The default password is admin123, users need to change to their own password, click CONFIRM to save.

Step 4: After turn on "RTSP", the user can add the door panel to the NVR through the MainStream and SubStream addresses of the door panel, as shown in the Figure 19.

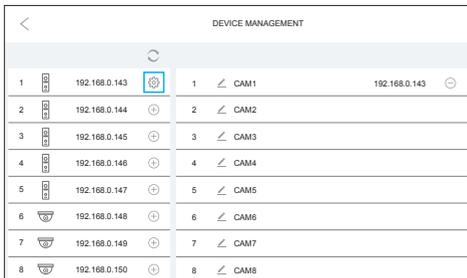


Figure 16

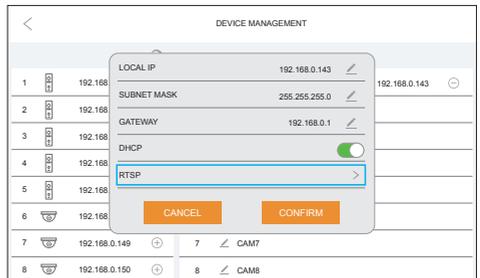


Figure 17

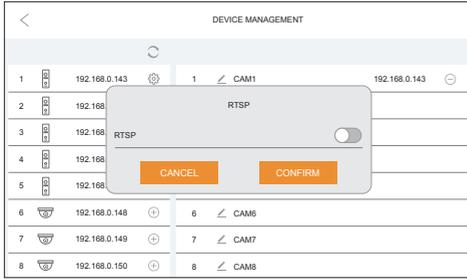


Figure 18

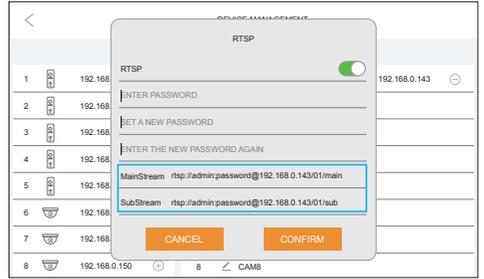


Figure 19

**REMARK:**

1. To restore the default password, unassign the external panel or reset it to factory settings.
2. This function requires connecting the indoor monitor and outdoor panel to the VP-SW2 signal distributor. The IP address of the VP-SW2 signal distributor must belong to the same network segment as the NVR address.

**4. Configuring room setting.**

- Step 1: If only one panel and one monitor are connected within one installation (one family), there is no need to set the room number (keep the default settings).
- Step 2: The monitor must have the DEVICE ADDRESS option set to 1. Additional monitors must have the DEVICE ADDRESS option set to 2/3/4 ... 10, and no two monitors can have the same number.
- Step 3: Within one family, set the same APARTMENT NUMBER (APARTMENT NUMBER can be set in the range from 1 to 9999). For example, on the first monitor in the installation, set the value 1/ROOM1, and on the next monitor - DEVICE ADDRESS as 1; APARTMENT NUMBER as 2. The panel should be added only from the first monitor in the installation (with the DEVICE ADDRESS settings as 1; APARTMENT NUMBER as 1). Then the external panel will be automatically added to the subsequent monitors in the installation (DEVICE ADDRESS as 1; APARTMENT NUMBER as 2 / 3 / 4 / ... / 10).

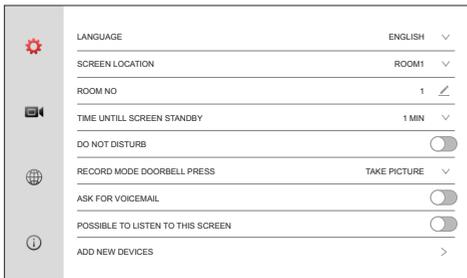


Figure 20

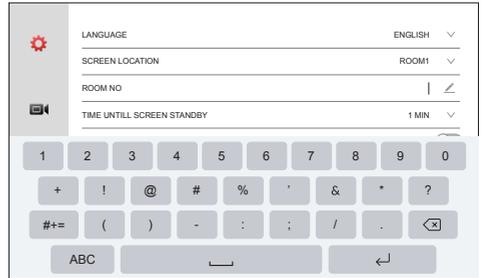


Figure 21

## 5. Unbinding the monitor.

### 5.1. Remove device from the cloud.

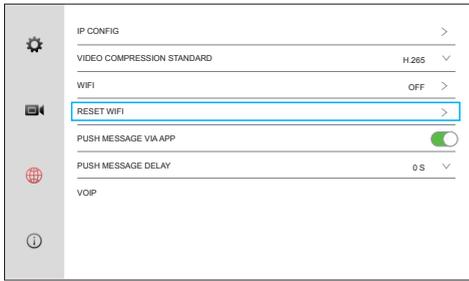


Figure 22

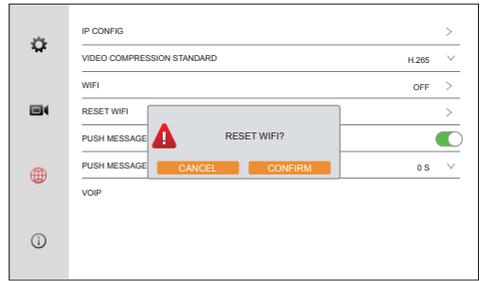


Figure 23

### 5.2. Restore factory settings.

Unbind the monitor, all data will be deleted and resumed to the factory settings.



Figure 24

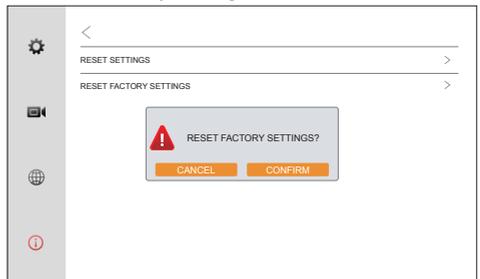


Figure 25

### 5.3. Adding devices to the mobile application.

#### Connection to the application – by scanning the QR code.

(If you have added a device via automatic search - (step below), then you should skip this step).

Step 1: Log in to the NaviHome, Smart Life or Tuya Smart application. Select option → Add device, and then → Scan QR code (in the upper left corner after selecting +).

Step 2: Scan the QR code visible on the video monitor screen. To display the QR code, select → → .

Step 3: The application will automatically proceed to adding the device (this may take up to 2 minutes).

Step 4: If the process is successful, the application will return appropriate information. Press button → Finish to complete the adding process.

Step 5: After adding, you will be immediately redirected to the previously added device.

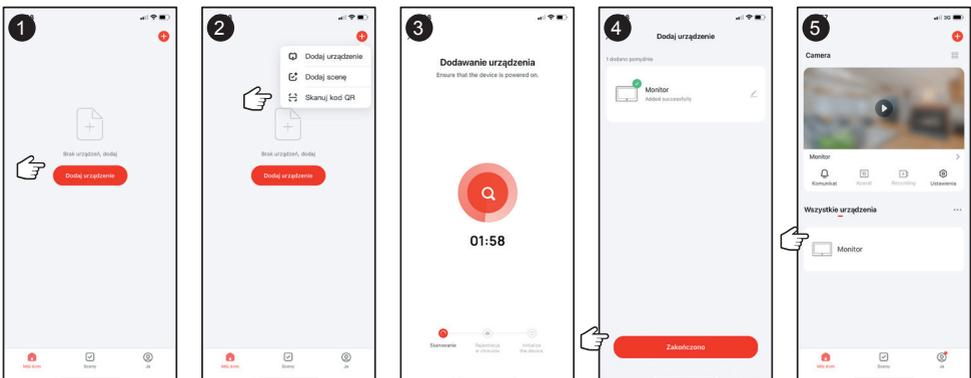


Figure 26

### Connection to the application – through automatic search.

(If you added a device by scanning the QR code - (step above), then you should skip this step).

Step 1: Log in to the NaviHome, Smart Life or Tuya Smart application. Select an option → Add device, and then select a method → Add device.

Step 2: The application will automatically proceed to the search procedure for available devices.

Step 3: If the device is found, select it to add it to the application.

Step 4: If the process is successful, the application will return appropriate information. Press the button → Finish to complete the adding process.

Step 5: After adding, you will be immediately redirected to the previously added device.

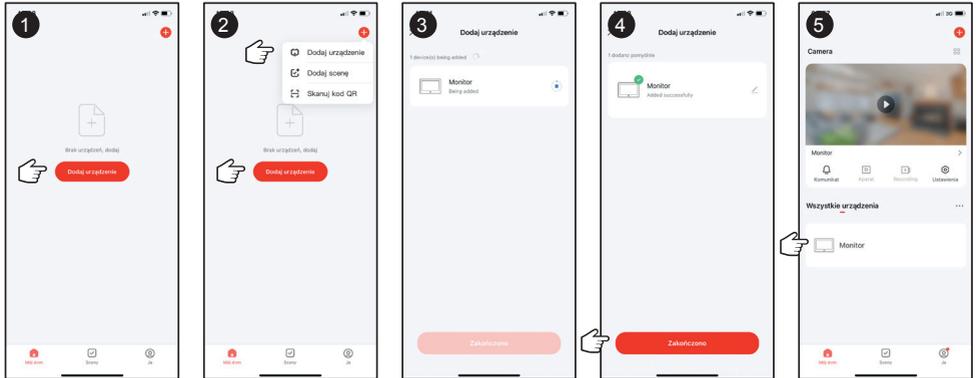


Figure 27

### 5.4. Removing devices from the mobile application.

Step 1: Go to All Devices → ... → Device Management.

Step 2: In the list of devices, select those to be removed.

Step 3: Select → Remove device. Confirm the device removal operation.

Step 4: Select → Complete to complete the device removal operation.

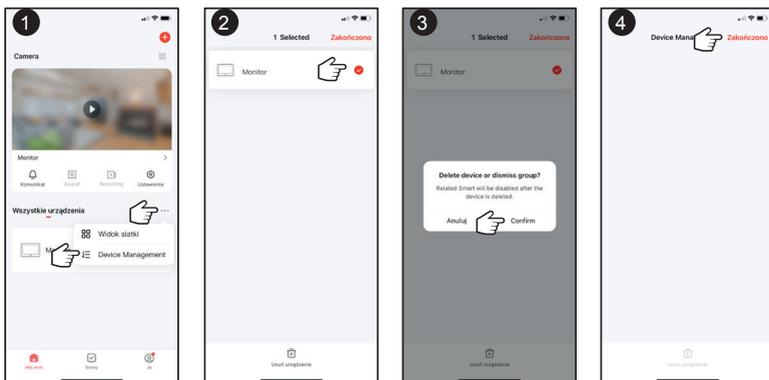


Figure 28

# CONFIGURATION OF SETTINGS FOR THE MULTI-BUTTON PANEL

## 1. Finding the IP address of the external panel.

To start the configuration, you must first connect the VP-SW2 Signal Distributor by cable via the built-in RJ45 connector to the router. The condition for successful login to the settings interface via a web browser is that the device from which you will be logged in must be at same local network to which the video intercom installation was previously logged in. If you use two different networks, login will fail.

To find the IP address of the external panel, enter the monitor settings interface - Figure 29. Then select **ADD NEW DEVICES** from the settings list. The IP address of the outdoor panel will be listed as shown in Figure 30. The IP addresses indicated below are examples.

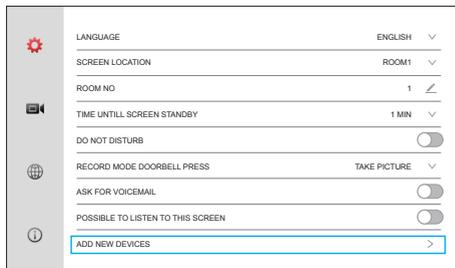


Figure 29

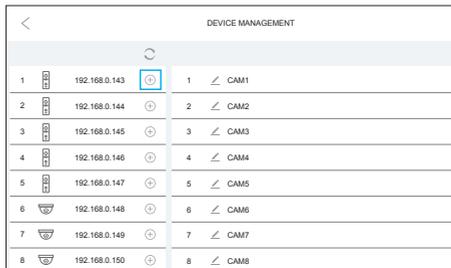


Figure 30

## 2. Login to the settings interface via a web browser.

1. Open a browser and enter the IP address of the external panel.
2. Click Enter on your keyboard to initialize the login page.
3. Enter your Username and Password.
4. Click Login to enter the settings interface.

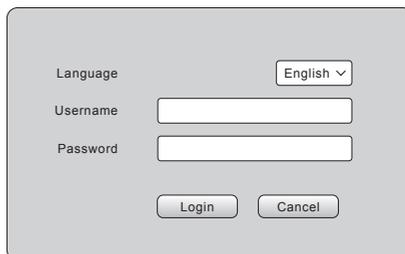


Figure 31

## 3. Image setting.

Select **Image config** to enter the external panel's image configuration interface. From the level of this interface you can configure Brightness / Contrast / Saturation / Night illumination depending on on needs.

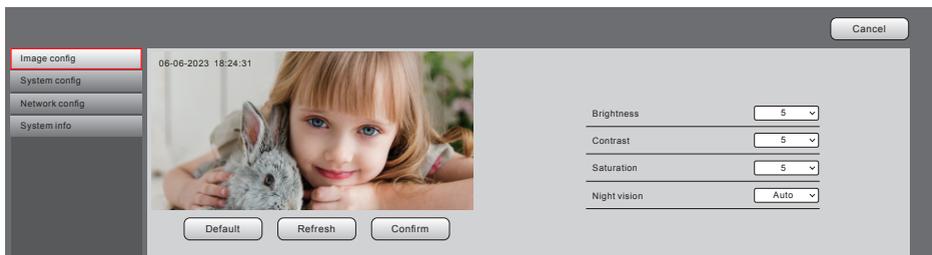


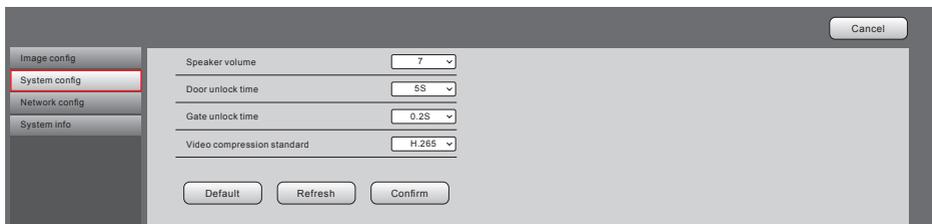
Figure 32

## ATTENTION:

- Default: Restore the default parameters of the outdoor panel.
- Refresh: Refresh the parameters and image of the outdoor panel.
- Confirm: Save the configured parameters in the external panel.

#### 4. System settings.

Select **System config** to enter the system configuration interface of the outdoor panel. From the level of this interface can be configured Speaker Volume / Door Unlock Time / Time gateway unlocking / Video compression standard.

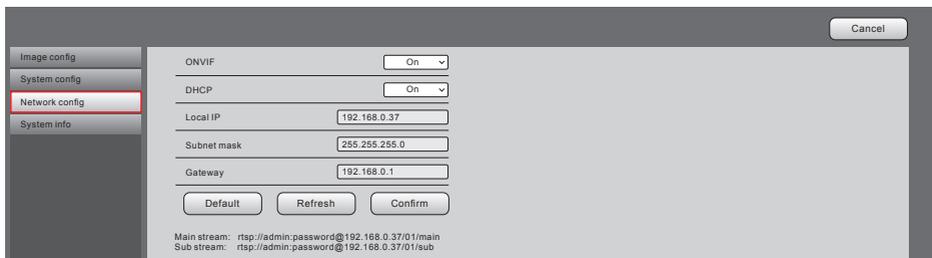


The screenshot shows the 'System config' interface. On the left, a sidebar contains menu items: 'Image config', 'System config' (highlighted with a red border), 'Network config', and 'System info'. The main area contains four settings, each with a dropdown menu: 'Speaker volume' set to '7', 'Door unlock time' set to '5S', 'Gate unlock time' set to '0.2S', and 'Video compression standard' set to 'H.265'. At the bottom, there are three buttons: 'Default', 'Refresh', and 'Confirm'. A 'Cancel' button is located in the top right corner.

Figure 33

#### 5. Network settings.

Select **Network config** to enter the system configuration interface of the outdoor panel. From this interface you can configure ONVIF and DHCP settings.

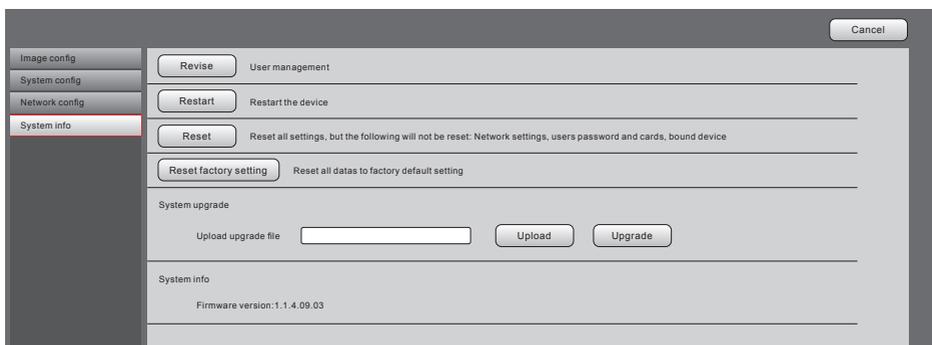


The screenshot shows the 'Network config' interface. On the left, a sidebar contains menu items: 'Image config', 'System config', 'Network config' (highlighted with a red border), and 'System info'. The main area contains five settings: 'ONVIF' set to 'On', 'DHCP' set to 'On', 'Local IP' set to '192.168.0.37', 'Subnet mask' set to '255.255.255.0', and 'Gateway' set to '192.168.0.1'. At the bottom, there are three buttons: 'Default', 'Refresh', and 'Confirm'. A 'Cancel' button is located in the top right corner. Below the settings, there is a small text block: 'Main stream: rtsp://admin:password@192.168.0.37/01/main' and 'Sub stream: rtsp://admin:password@192.168.0.37/01/sub'.

Figure 34

#### 6. System information.

Select **System info** to enter the system information interface of the outdoor panel. From this interface you can Manage User / Reboot Device / Reset Settings / Reset Device to Factory Settings / Update Software / Check Software Version.



The screenshot shows the 'System info' interface. On the left, a sidebar contains menu items: 'Image config', 'System config', 'Network config', and 'System info' (highlighted with a red border). The main area contains several sections: 'User management' with a 'Revise' button; 'Restart device' with a 'Restart' button; 'Reset' with a 'Reset' button and a note: 'Reset all settings, but the following will not be reset: Network settings, users password and cards, bound device'; 'Reset factory setting' with a 'Reset factory setting' button and a note: 'Reset all datas to factory default setting'; 'System upgrade' with an 'Upload upgrade file' input field and 'Upload' and 'Upgrade' buttons; and 'System info' with 'Firmware version:1.1.4.09.03'. A 'Cancel' button is located in the top right corner.

Figure 35

LP	Option	Description of how the setting works
1.	Revise	Access data to the external panel will be modified.
2.	Restart	The device will restart.
3.	Reset	Will reset the settings. Network settings, user settings, saved passwords, assigned cards, and added devices will remain intact.
4.	Reset factory setting	Will restore factory settings. All data will be deleted.
5.	System upgrade	Select <b>Upload</b> , then select the software file. Select <b>Upgrade</b> , then the software will be updated. Do not turn off devices during the update. In case of interruption updating may cause irreversible damage to the device.
6.	System info	Shows the current software version.

# USAGE PART

## VIDEO INTERCOM OPERATION

### 1. Door station call

When a visitor calls in door station, all the indoor monitors in this house will chime simultaneously as below.



Figure 36



Figure 37

The LCD will show “INCOMING CALL”. Click , to talk with the visitor, as Figure 36. Click , to transfer the call to other monitors. The monitor will return to standby state if no one answers after chime time ends. At ringing or answering state, click  to unlock the door and the LCD will show “DOOR UNLOCKED”, click  to unlock the gate and the LCD will show “GATE UNLOCKED”. If there is another incoming call when talking with CAM1, the LCD will show “SOMEONE IS VISITING AT CAM2”, then click  can switch the display image to CAM2 and talk with another visitor.

Note: At the answering or intercom between monitors, click , icon, then it turn to . the microphone will be mute, and the LCD will show “MUTE”, click , icon again the microphone return to normal  and the LCD show “PLEASE TALK”.

### 2. Incoming call answer / Call transfer

Click  on the main interface to enter the dial keyboard interface.

1. Call extension monitor:  
Enter the extension room number directly.  
Call “0” means to call all extension monitors.
2. Call apartment resident.  
Enter “1+” resident’s room number.
3. Call management center: 1 + 0.
4. Call SIP/VOIP.  
Enter „2+” IP phone number.

Note: When you use the standard SIP protocol, the calling number should be the phone number of the VOIP account.

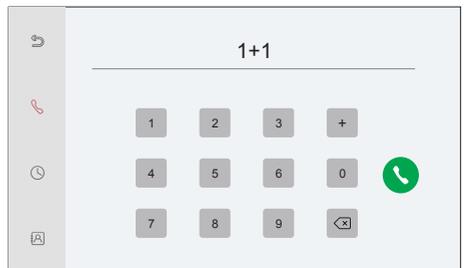
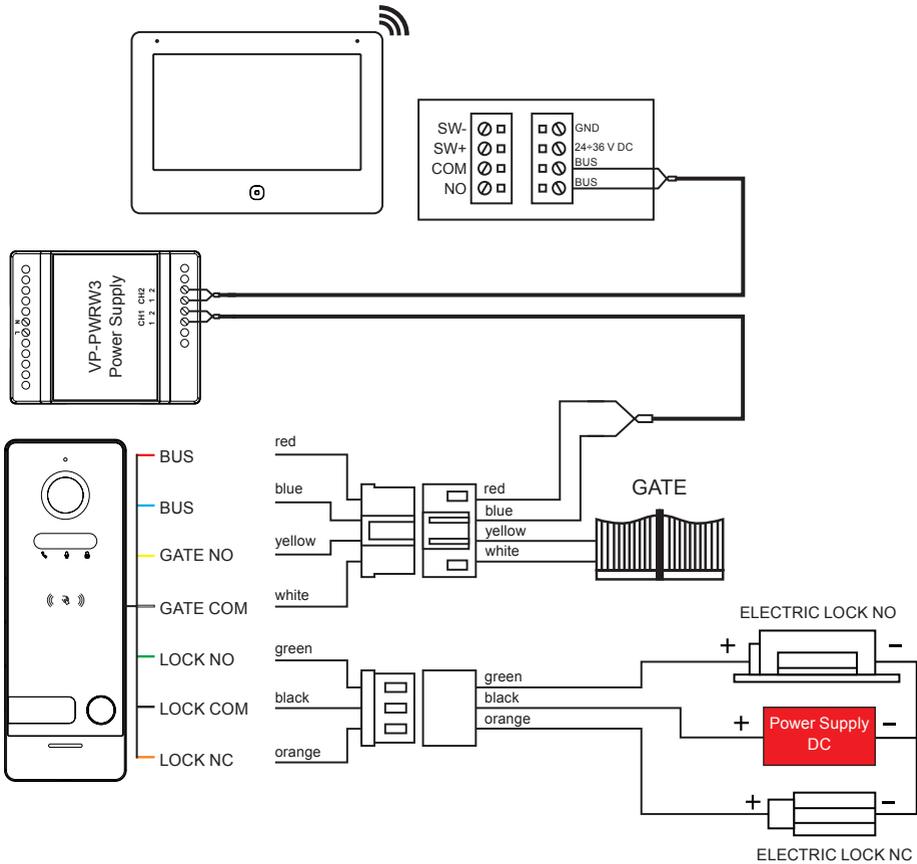


Figure 38

# INSTALLATION PART

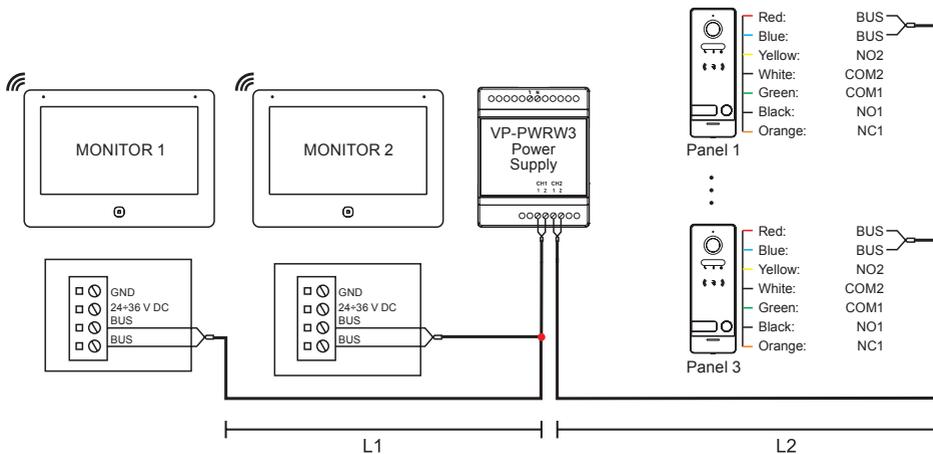
The use of VP-PWRW2 and VP-PWRW3 power supplies to power the system determines the entire installation as WLAN (Wi-Fi). This means that a wired connection to the router is not possible due to the lack of a VP-SW2 signal distributor with a built-in RJ45 LAN port in the installation. Wireless connectivity is provided by Wi-Fi video monitors. To establish a stable connection, video monitors must be within range of a local Wi-Fi network.

## CONNECTION VIA WLAN (WI-FI) MONITOR + VIDEO PANEL

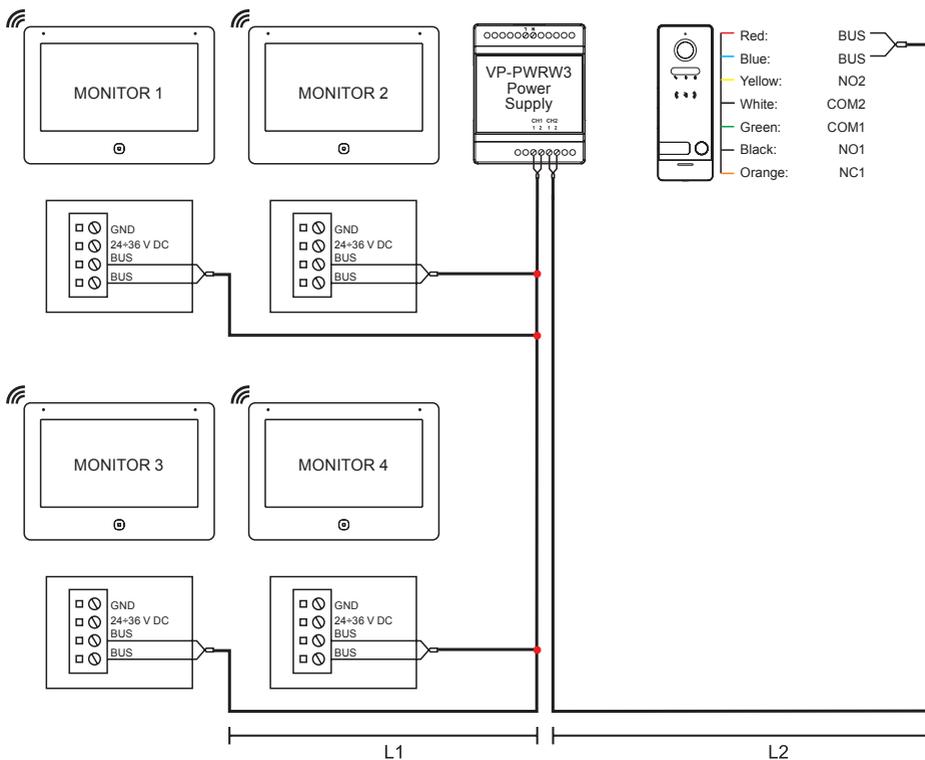


**Note:** Additional power supply for the electric lock is not included. It is recommended to buy it depending on the purchase on the voltage and current requirements (power supply with current 2 A or stronger recommended).

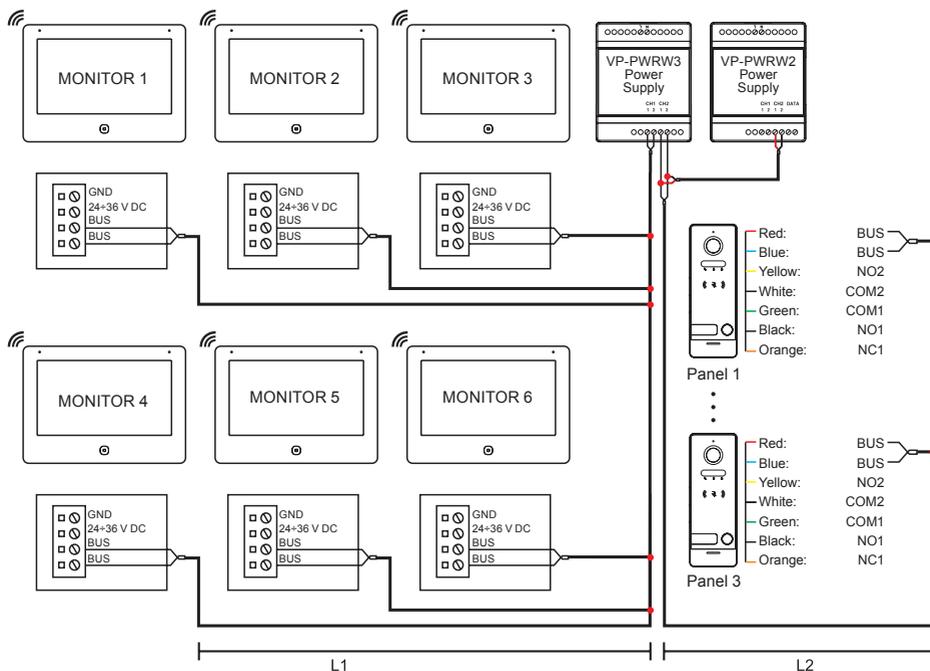
## 2 MONITORS + 3 VIDEO PANELS



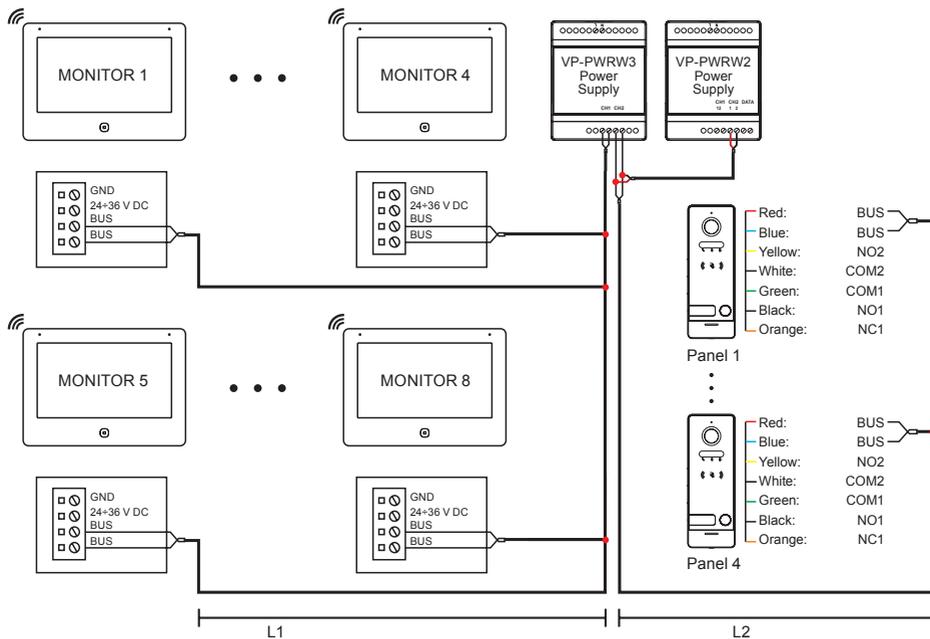
## 4 MONITORS + VIDEO PANEL



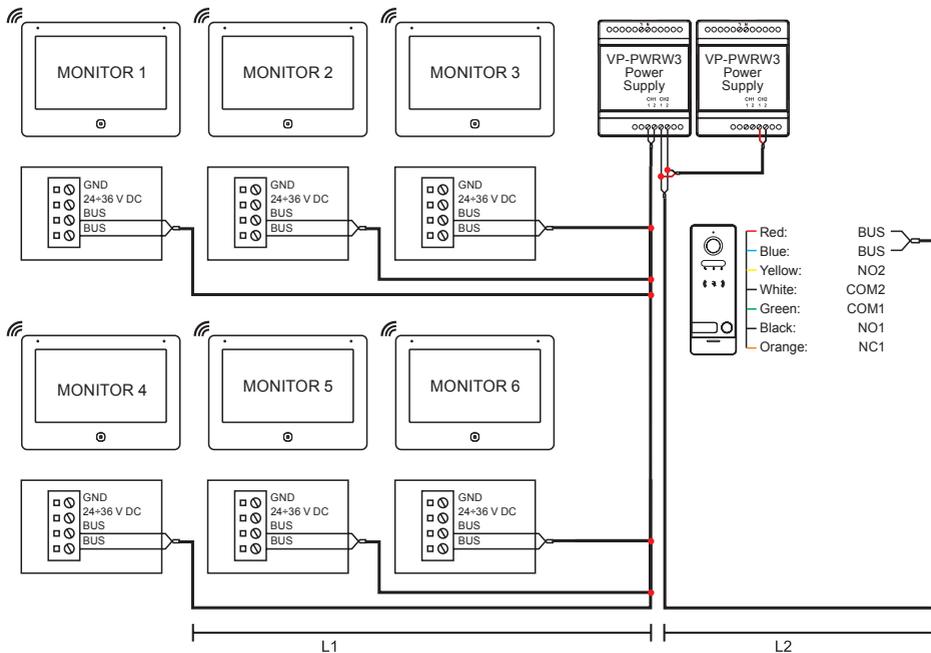
## 6 MONITORS + 3 VIDEO PANELS



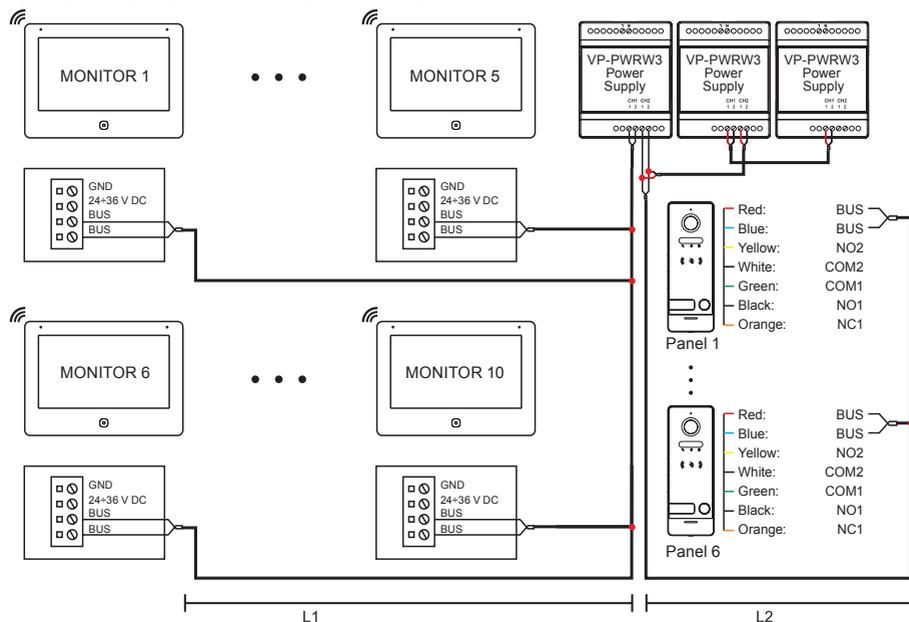
## 8 MONITORS + 4 VIDEO PANELS



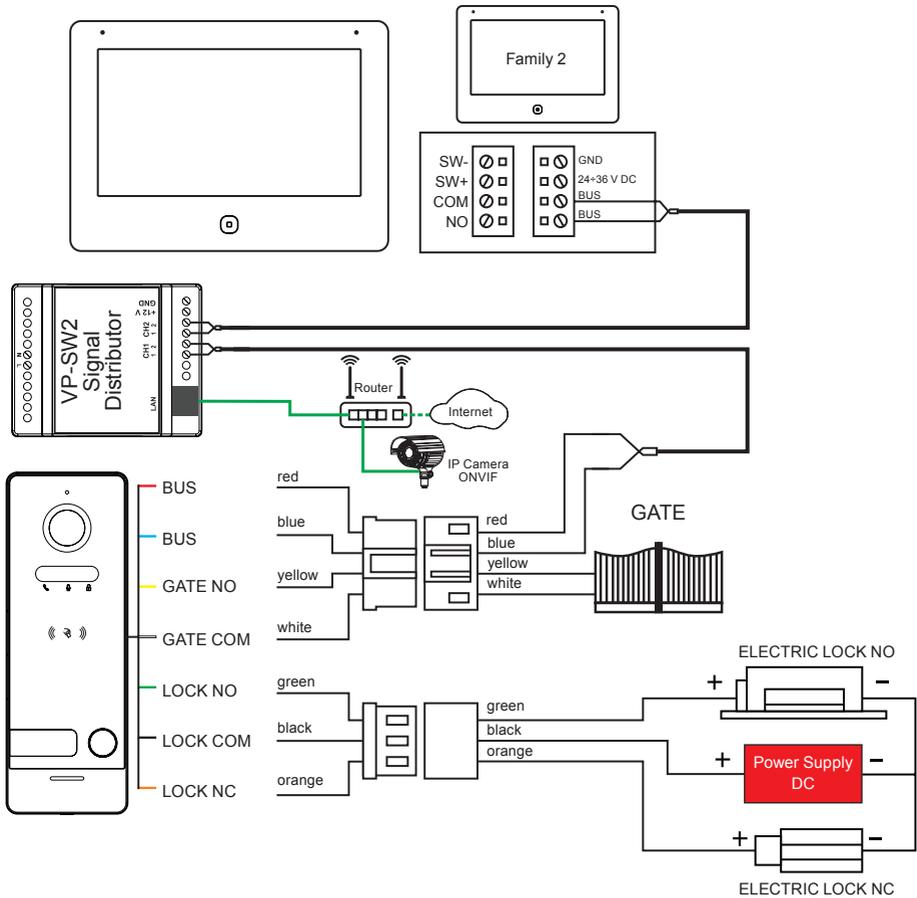
## 6 MONITORS + VIDEO PANEL



## 10 MONITORS + 6 VIDEO PANELS

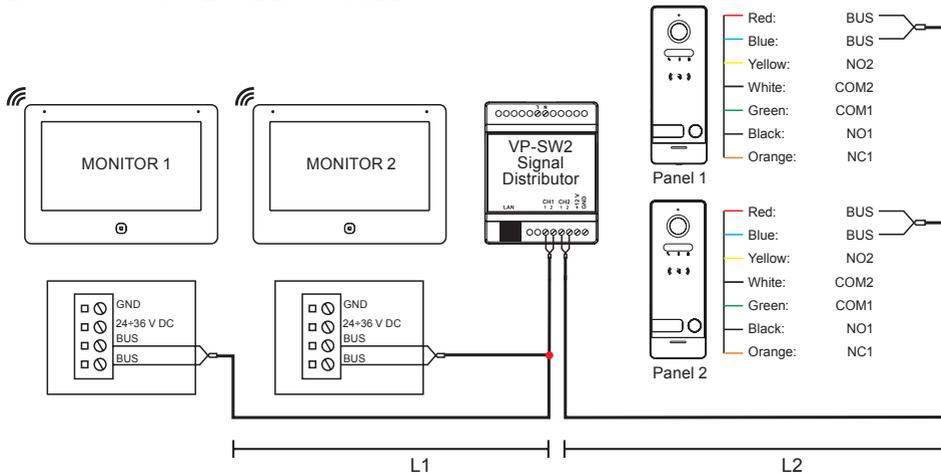


# CONNECTION VIA LAN OR WLAN (WI-FI) MONITOR + VIDEO PANEL

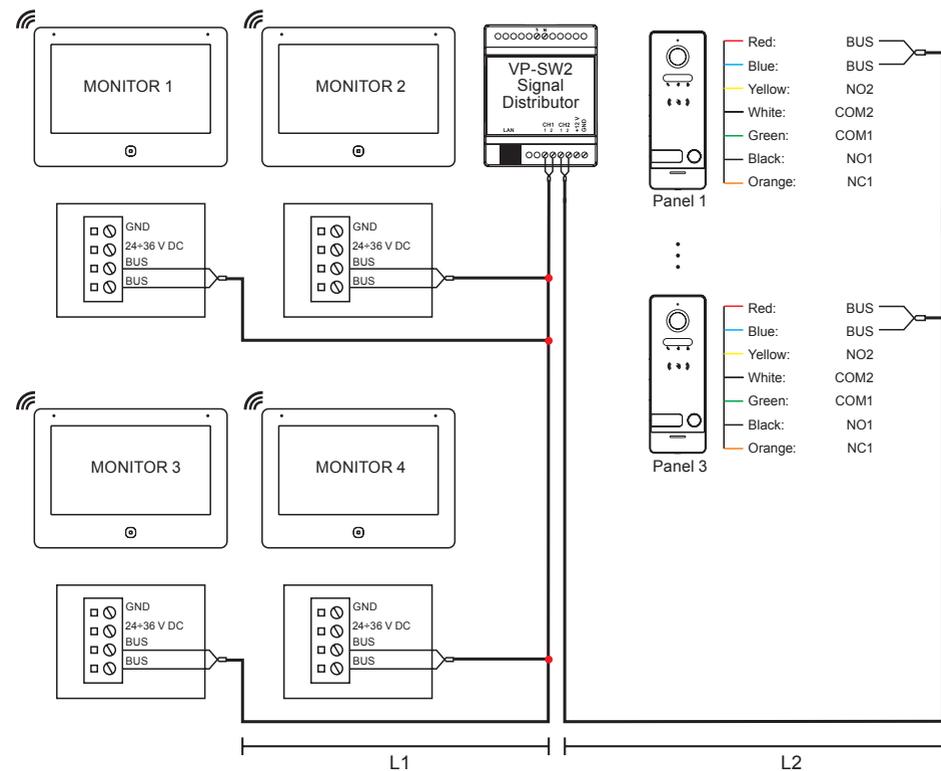


**Note:** **Additional power supply for the electric lock is not included.** It is recommended to buy it depending the purchase on the voltage and current requirements (power supply with current 2 A or stronger recommended).

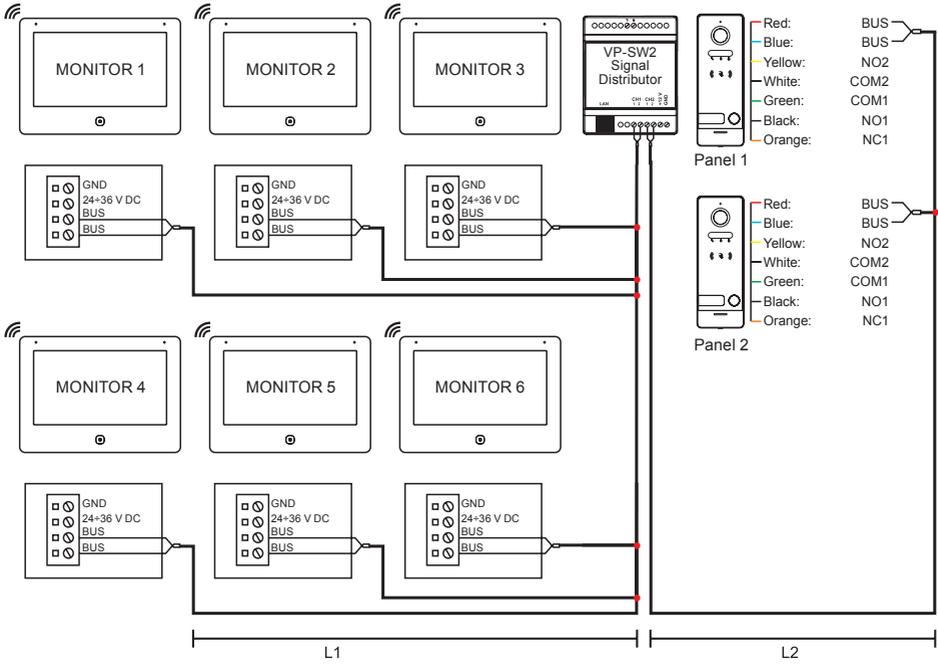
## 2 MONITORS + 2 VIDEO PANELS



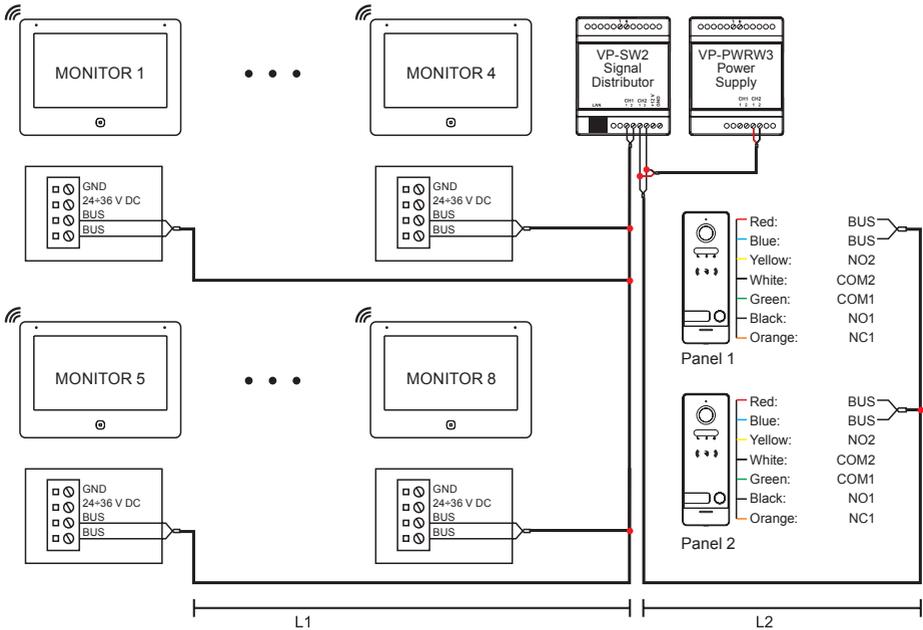
## 4 MONITORS + 3 VIDEO PANELS



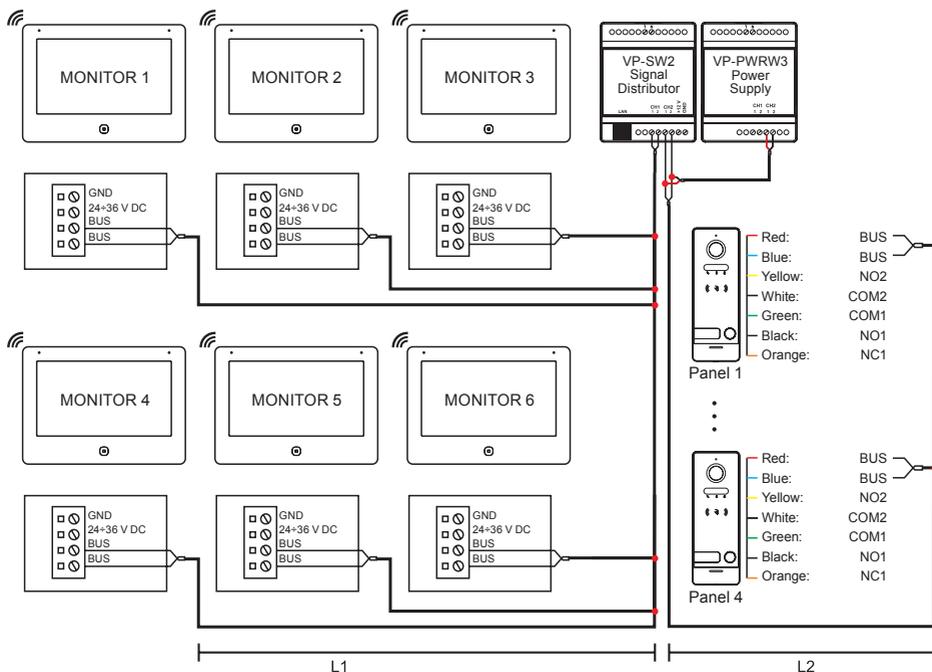
## 6 MONITORS + 2 VIDEO PANELS



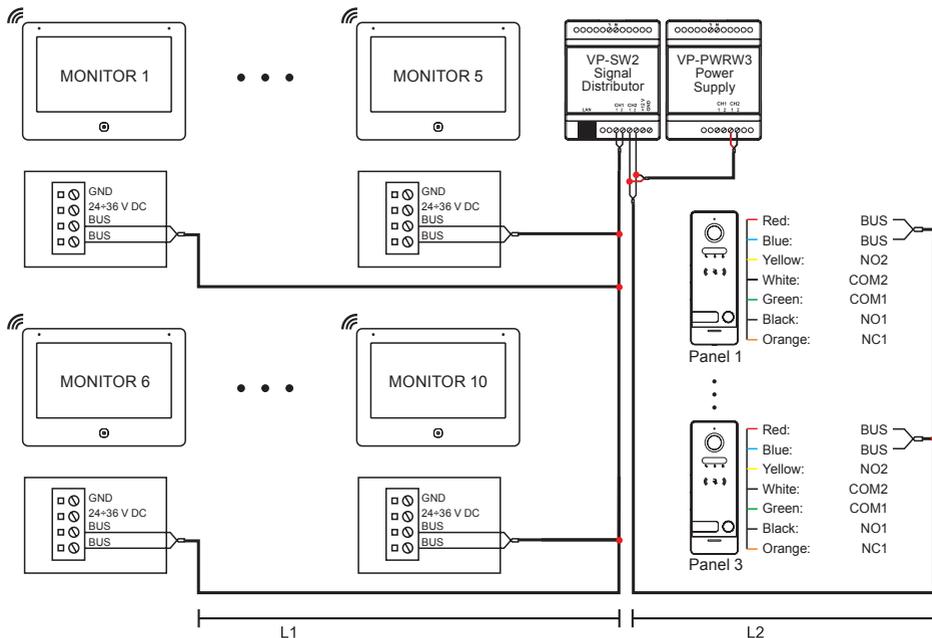
## 8 MONITORS + 2 VIDEO PANELS



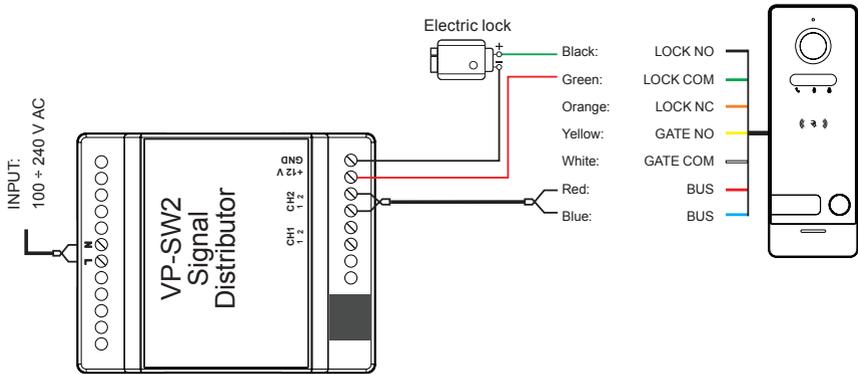
## 6 MONITORS + 4 VIDEO PANELS



## 10 MONITORS + 3 VIDEO PANELS



# POWER SUPPLY OF THE ELECTRIC LOCK THROUGH THE SIGNAL DISTRIBUTOR VP-SW2



## Attention:

The +12 V and GND connectors support magnetic locks and electric strikes operating in the range of ( $\leq$ ) 12 V 0.5 A, 6 W. The relay opening time is defined from the monitor settings. If the given values are exceeded, damage may occur to both the magnetic lock, electric strike and the relay.

## SUGGESTED CABLE TYPES AND ACCEPTABLE INSTALLATION LENGTHS

Cable type	1 monitor	2 monitors	3 monitors	4 monitors	5 monitors	6 monitors	7 monitors	8 monitors	9 monitors	10 monitors	1 panel	2 panels	3 panels	4 panels	5 panels	6 panels	7 panels	8 panels
	L1 max [m]										L2 max [m]							
UTP CAT5	135	70	45	-	-	-	-	-	-	-	235	120	80	60	45	-	-	-
UTP CAT6	175	90	60	45	-	-	-	-	-	-	300	150	100	75	60	50	-	-
YTLY 2x 0,2 mm <sup>2</sup>	135	70	45	-	-	-	-	-	-	-	235	120	80	60	45	-	-	-
YTLY 2x 0,3 mm <sup>2</sup>	220	110	75	55	-	-	-	-	-	-	300	185	125	90	70	60	50	-
RVV / LiYCY 2x 0,5 mm <sup>2</sup>	300	180	120	90	75	60	50	-	-	-	300	300	210	150	120	100	85	75
RVV / LiYCY 2x 0,75 mm <sup>2</sup>	300	260	170	130	100	85	75	65	55	50	300	300	290	210	170	140	120	100
RVV / LiYCY 2x 1 mm <sup>2</sup>	300	300	260	190	150	130	110	95	85	75	300	300	300	300	260	210	180	160

## Note:

1. L1: Distance from monitor to power, L2: Distance from panel to power.
2. The same BUS should use the same wire with the same specification.

# COMBINATIONS OF POWER SUPPLY SOURCES

## VP-PWRW3 POWER SUPPLY OR ITS MULTIPLE

		NUMBER OF OUTDOOR PANELS IN ONE INSTALLATION (MAX. 8 PIECES)							
		1	2	3	4	5	6	7	8
NUMBER OF MONITORS IN ONE INSTALLATION (MAX. 10 PIECES)	1	1	1	1	1	1	2	2	2
	2	1	1	1	1	2	2	2	2
	3	1	1	2	2	2	2	2	2
	4	1	2	2	2	2	2	2	2
	5	2	2	2	2	2	2	3	3
	6	2	2	2	2	2	3	3	3
	7	2	2	2	3	3	3	3	3
	8	2	2	3	3	3	3	3	3
	9	3	3	3	3	3	3	3	4
	10	3	3	3	3	3	3	4	4

The table shows the total number of power supplies needed to power the entire system.

## VP-PWRW2 POWER SUPPLY OR ITS MULTIPLE

		NUMBER OF OUTDOOR PANELS IN ONE INSTALLATION (MAX. 8 PIECES)							
		1	2	3	4	5	6	7	8
NUMBER OF MONITORS IN ONE INSTALLATION (MAX. 10 PIECES)	1	1	1	1	1	1	1	1	1
	2	1	1	1	1	1	1	1	1
	3	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1
	5	1	1	1	1	1	1	2	2
	6	1	1	1	1	1	2	2	2
	7	1	1	1	2	2	2	2	2
	8	1	1	2	2	2	2	2	2
	9	2	2	2	2	2	2	2	2
	10	2	2	2	2	2	2	2	2

The table shows the total number of power supplies needed to power the entire system.

## VP-PWRW3 POWER SUPPLY AND ADDITIONALLY VP-PWRW2 POWER SUPPLY OR ITS MULTIPLE

		NUMBER OF OUTDOOR PANELS IN ONE INSTALLATION (MAX. 8 PIECES)							
		1	2	3	4	5	6	7	8
NUMBER OF MONITORS IN ONE INSTALLATION (MAX. 10 PIECES)	1					1	1	1	1
	2				1	1	1	1	1
	3			1	1	1	1	1	1
	4		1	1	1	1	1	1	1
	5	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1
	7	1	1	1	1	1	1	1	1
	8	1	1	1	1	1	1	1	1
	9	1	1	1	1	1	1	1	2
	10	1	1	1	1	1	1	2	2

The table shows the number of additional VP-PWRW2 power supplies needed to power the entire system in addition to one VP-PWRW3 power supply that is the basic power supply module. An empty field means that the VP-PWRW3 power supply is sufficient for the selected configuration and no additional power sources are required.

## VP-SW2 DISTRIBUTOR AND ADDITIONALLY VP-PWRW3 POWER SUPPLY OR ITS MULTIPLE

		NUMBER OF OUTDOOR PANELS IN ONE INSTALLATION (MAX. 8 PIECES)							
		1	2	3	4	5	6	7	8
NUMBER OF MONITORS IN ONE INSTALLATION (MAX. 10 PIECES)	1								
	2								
	3								
	4							1	1
	5						1	1	1
	6				1	1	1	1	1
	7			1	1	1	1	1	1
	8	1	1	1	1	1	1	1	2
	9	1	1	1	1	1	1	2	2
	10	1	1	1	1	1	2	2	2

The table shows the number of additional VP-PWRW3 power supplies needed to power the entire system in addition to one VP-SW2 distributor which is the basic power supply module. An empty field means that the VP-SW2 distributor is sufficient in the selected configuration and no additional power sources are required.

**VP-SW2 DISTRIBUTOR AND  
ADDITIONALLY VP-PWRW2 POWER  
SUPPLY OR ITS MULTIPLE**

		NUMBER OF OUTDOOR PANELS IN ONE INSTALLATION (MAX. 8 PIECES)							
		1	2	3	4	5	6	7	8
NUMBER OF MONITORS IN ONE INSTALLATION (MAX. 10 PIECES)	1								
	2								
	3								
	4							1	1
	5						1	1	1
	6				1	1	1	1	1
	7			1	1	1	1	1	1
	8	1	1	1	1	1	1	1	1
	9	1	1	1	1	1	1	1	1
	10	1	1	1	1	1	1	1	1

The table shows the number of additional VP-PWRW2 power supplies needed to power the entire system in addition to one VP-SW2 distributor which is the basic power supply module. An empty field means that the VP-SW2 distributor is sufficient in the selected configuration and no additional power sources are required.

**VP-PWRW2 POWER SUPPLY AND  
ADDITIONALLY VP-PWRW3 POWER  
SUPPLY OR ITS MULTIPLE**

		NUMBER OF OUTDOOR PANELS IN ONE INSTALLATION (MAX. 8 PIECES)							
		1	2	3	4	5	6	7	8
NUMBER OF MONITORS IN ONE INSTALLATION (MAX. 10 PIECES)	1								
	2								
	3								
	4								
	5							1	1
	6						1	1	1
	7				1	1	1	1	1
	8			1	1	1	1	1	1
	9	1	1	1	1	1	1	1	2
	10	1	1	1	1	1	1	2	2

The table shows the number of additional VP-PWRW3 power supplies needed to power the entire system in addition to one VP-PWRW2 power supply that is the basic power supply module. An empty field means that the VP-PWRW2 power supply is sufficient for the selected configuration and no additional power sources are required.