eūra

CAMERA MODULE

VXA–69A5

FOR 2–WIRE VIDEO DOORPHONE

VXA–69A5   eūra   2EASY

| Power | In-Use | CAM1 | CAM2 |
| CAM(1~4) | | CAM3 | CAM4 |

2EASY
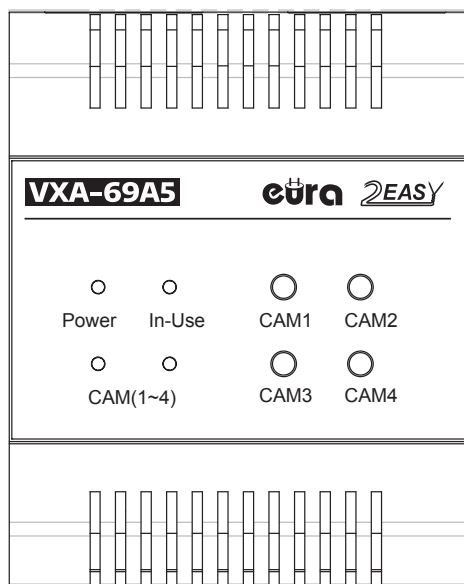
User Manual

INITIAL REMARKS

Before assembling, wiring and setting up of device the user should carefully read given manual. In case of any troubles with understanding the content the user should contact the producer. Unassisted assembling and start of the device can be done only with the use of proper tools. However, it is highly advised to set up a device by qualifed personnel. The producer is not responsible for damages made during incorrect set-up or maintenance or in case of any unassisted repairs or modifcations.

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1. EURA 2 EASY SYSTEM DESCRIPTION

2-wire Eura 2 Easy system is a complete Video doorphone system designed to handle one or more apartments, where the minimum wiring with one centralized power supply drastically simplify and reduces installation time. With only 2 wires throughout the whole installation between each system components and one power supply, the system allows to connect up to 128 indoor monitor units and 4 outdoor video doorphone stations. By means of FM video modulation and ASK data transmission technology, system provides better protection against interference and, therefore, guarantees best quality at all points of the installation.

System main features:
- with only 2 wires (no polarity) throughout the whole installation, the 2-wire system is a simplified installation system with minimum wiring and powerful features,
- centralized power supply for the entire system - with advanced power management, the whole system uses only one power supply,
- use Plug-in connectors and DIP switchers for rapid installation,
- multi Monitors for one apartment/house in same User Code, and automatically switching the video, what is more, all types of two wires monitors and door stations are compatible with each other,
- except for traditional dual talking, it offers a selective intercom (point to point) as a unique advantage for room-room talking,
- connection of external units up to 150 meters from the monitors.

The system can be upgraded to use 2 independent electromagnetic-locks. It is possible to connect additional outdoor video doorphone and an additional chime bell, as well as to connect additional module to control lighting or other devices triggered by a relay.
In addition, there is the possibility of controlling the system remotely by mobile phone. This requires a special VXA-48A5 telephone module or VXA-62A5 GSM module, which is connected to the 2-wire Eura 2 Easy system.
The purpose for those modules is to redirect calls from the outdoor video doorphone to the specified user telephone numbers. Detailed descriptions of the modules are subject for separate manuals.

2. DEVICE CHARACTERISTICS

The VXA-69A5 module is compatible with 2-wire Eura 2 Easy system and is used to extend the functionality of the system by connecting additional analogue cameras. One module can handle up to four cameras: two CCTV analogue cameras and two 2-wire cameras.

3. DEVICE CONSTRUCTION

Fig. 1 presents elements of VXA-69A5. Ports, LED indicators and DIP switch settings are described in tab. 1-3.
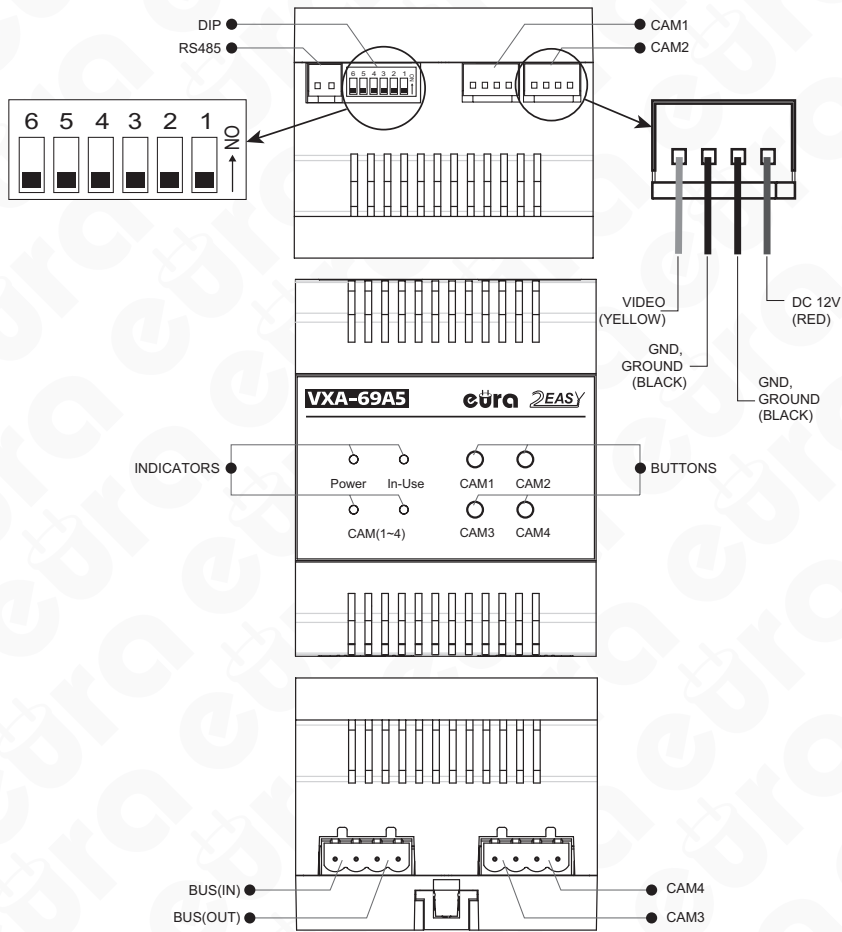
	Item	Description
DIP switches	DIP	DIP switches, to setup (see tab. 3)
Ports	RS485	Reserved
Ports	CAM1	Connect to regular analog CCTV
Ports	CAM2	Connect to regular analog CCTV
Ports	CAM3	Connect to 2-wire camera
Ports	CAM4	Connect to 2-wire camera
Ports	BUS(IN)	Connect to the bus line for Eura 2-easy (no polarity)
Ports	BUS(OUT)	Connect to the bus line for Eura 2-easy (no polarity)
LED Indicators	Power	Working indicator - always on when the VXA-69A5 works normally
LED Indicators	In-use	Video output indicator - always on when the VXA-69A5 outputs a video
LED Indicators	Cam(1-4)	Video output indicator (see tab. 2)
Buttons	CAM1	Press CAM1 ~ CAM4 button, it can control the corresponding video output
Buttons	CAM2	Press CAM1 ~ CAM4 button, it can control the corresponding video output
Buttons	CAM3	Press CAM1 ~ CAM4 button, it can control the corresponding video output
Buttons	CAM4	Press CAM1 ~ CAM4 button, it can control the corresponding video output

Tab. 1

LED indicator „in-use"	LED indicator „CAM(1-4)"		Description
●	○	○	CAM1 video output
●	●	○	CAM2 video output
●	○	●	CAM3 video output
●	●	●	CAM4 video output

Tab. 2

● indicator on

○ indicator off

Bit	Setting	Description
1-2		Set to the first VXA-69A5 in the system
		Set to the second VXA-69A5 in the system
		Set to the third VXA-69A5 in the system
		Set to the fourth VXA-69A5 in the system
3		Analog CCTV Camera used. When VXA-69A5 connected analog CCTV Camera, it should be set to ON
Bit 4		2-wire Camera used. When VXA-69A5 connected 2-wire Camera, it should be set to ON
Bit 5		When all VXA-69A5 of the system are configured to connect the two cameras (two analog CCTV Cameras or two 2-wire Cameras), it should be set to ON. When all VXA-69A5 of the system are configured to connect the four cameras (two analog CCTV Cameras and two 2-wire Cameras), it should be set to OFF.
Bit 6		Reserved

Tab. 3

4. INSTALLATION

Fig. 2 shows installation of VXA-69A5 on DIN Rail (this module can be mounted on the wall too).
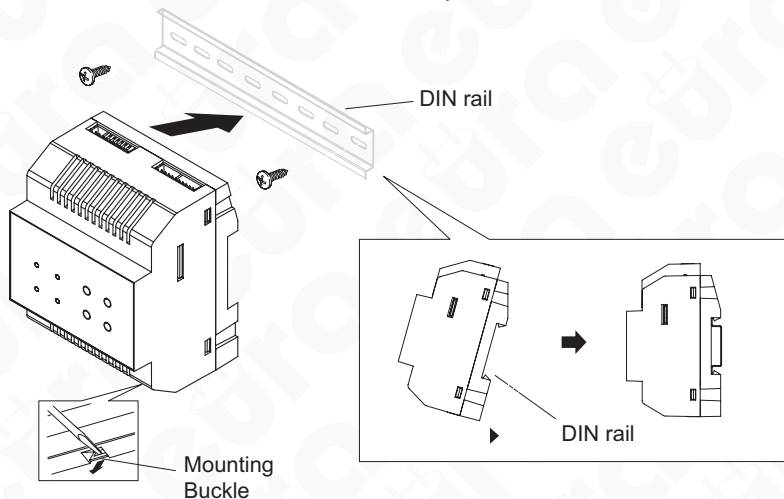

Fig. 2. VXA-69A5 installation

5. WIRING DIAGRAM
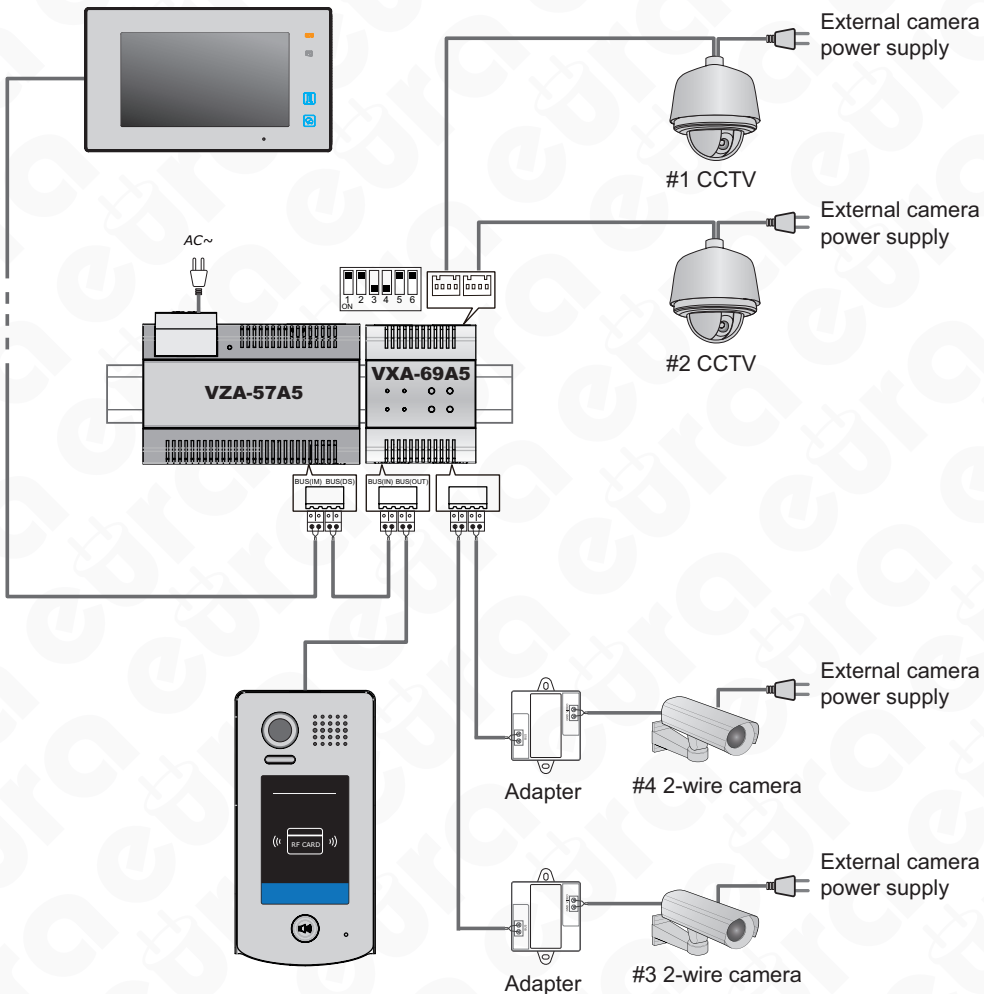## 5.1. SINGLE OUTDOOR VIDEO DOORPHONE AND SINGLE VXA–69A5 APPLICATIONS

Fig. 3. Wiring diagram

5.2. MULTI OUTDOOR VIDEO DOORPHONE AND TWO VXA–69A5 (WITH TWO ANALOG CCTV CAMERAS) APPLICATIONS
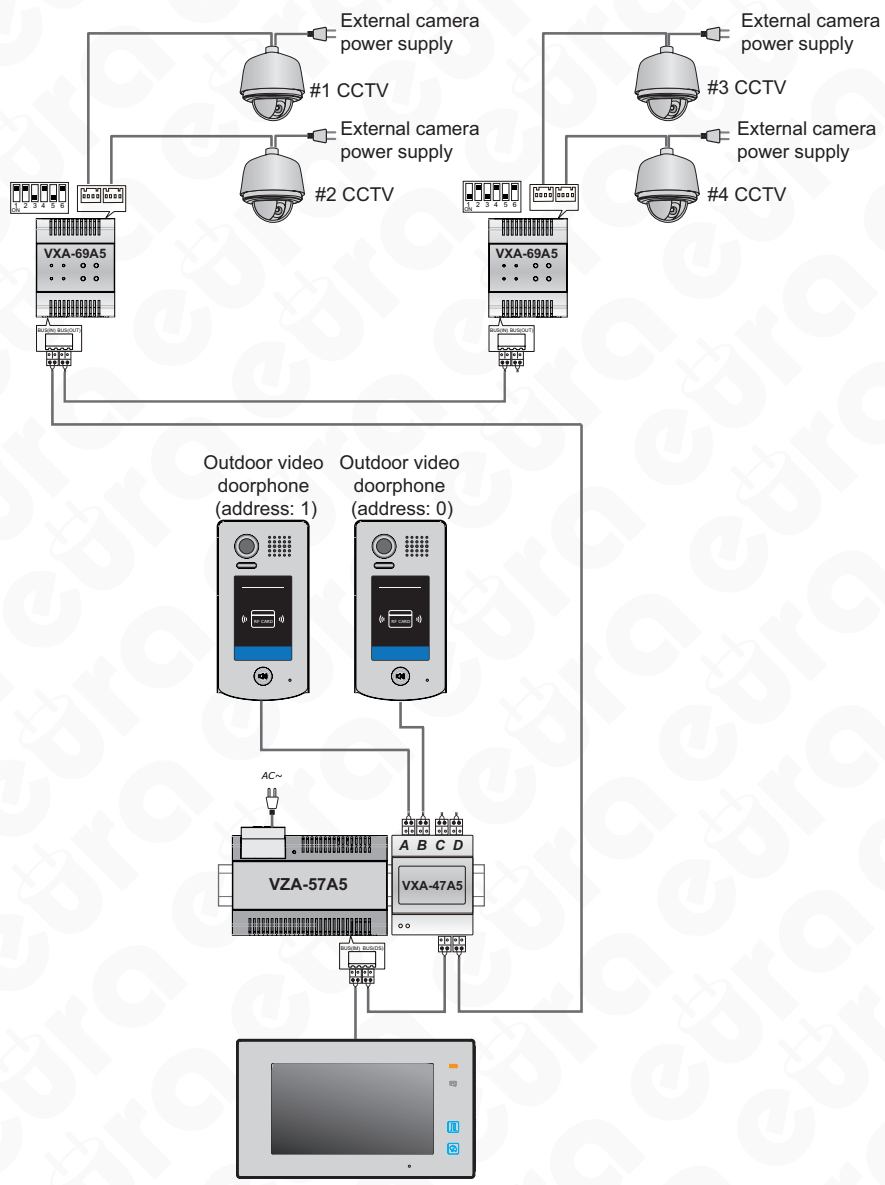

Fig. 4. Wiring diagram

5.3. MULTI OUTDOOR VIDEO DOORPHONE AND TWO VXA-69A5 (WITH TWO 2-WIRE CAMERAS) APPLICATIONS
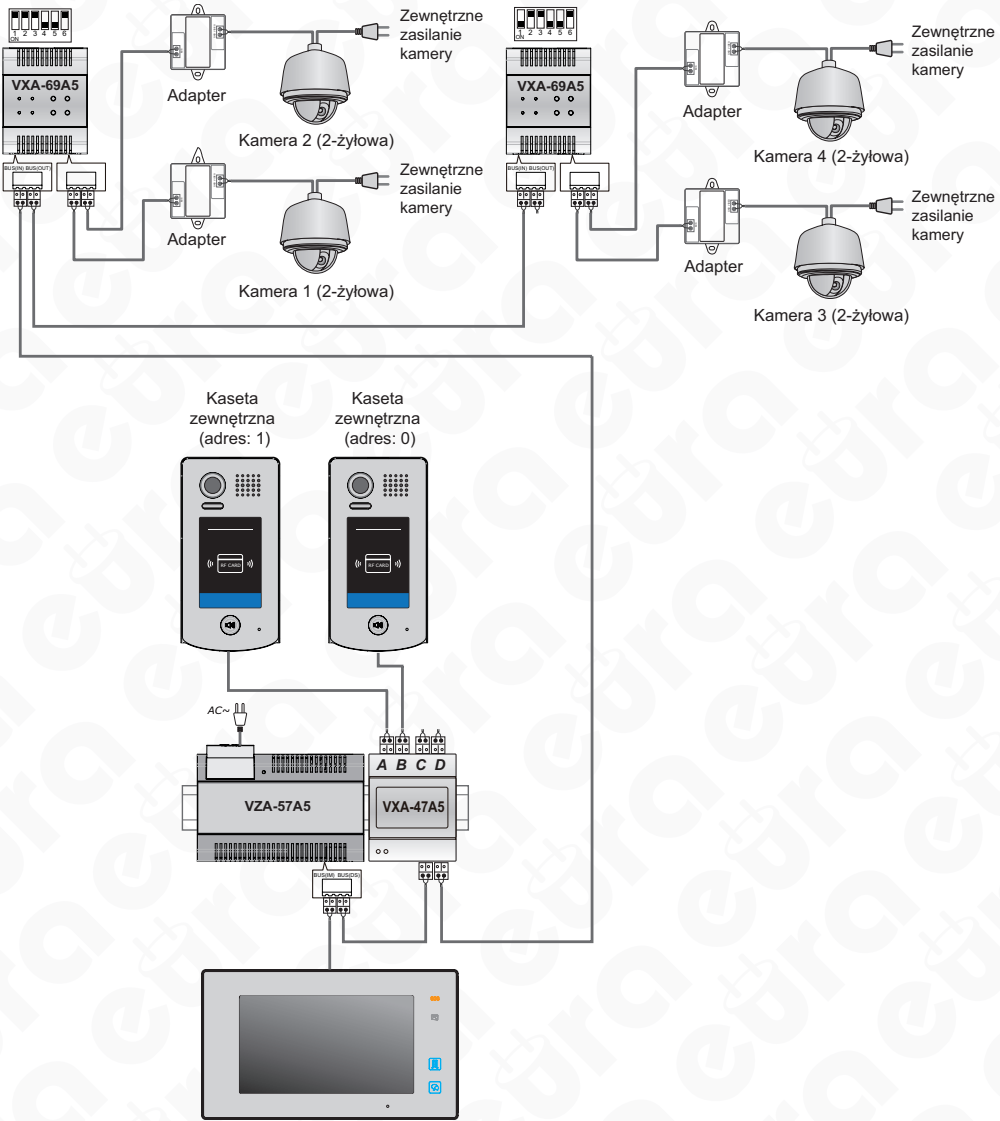

Fig. 5. Wiring diagram

6. TECHNICAL DATA

Power supply	24V DC
Power consumption (standby / working)	0,4W/1W
Working temperature	-10°C...+40°C
Wiring	2 (non-polarity)
Waterproof rating	IP20
Dimensions (H x W x D)	89 x 71 x 45 (mm)

EU Conformity Declaration of this device is available on
http://www.eura-tech.eu website

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Eura-Tech Sp. z o.o.