Solar Outdoor 4G Robot

User Manual

2026

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1. Product overview

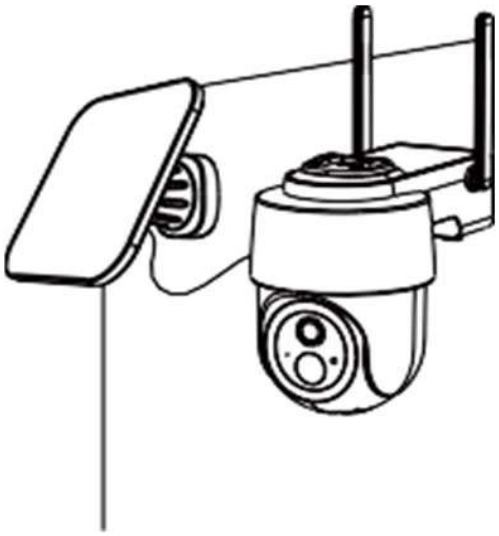


Fig. 1. Solar Outdoor 4G Robot

The Solar Outdoor 4G Robot is a 4G camera for outdoor video surveillance with a solar panel. The camera connects to the mobile network with a 4G SIM card and is controlled from the Partizan mobile app through your Partizan cloud account.

Main features:

- Solar panel connected to the Type-C port of the camera.
- 4G LTE connection: SIM card slot and 4G antenna.
- Memory card (TF) slot for recording.
- PIR motion detection with adjustable sensitivity and human detection filtering.
- Infrared (IR) night vision and dual LED light.
- Built-in microphone and speaker: listen to the camera and speak through it from the app.
- Control of the camera position and zoom from the app.
- Live view and archive playback on a timeline with alarm marks, photo and video capture.
- Notifications on the smartphone when motion is detected and when the battery charge is low.
- Shared access to the camera for other users of the Partizan app.
- Firmware update from the app.

The camera works with a 4G SIM card that does not require a PIN code. Mobile internet services must be activated in advance.

> ***Note:*** Some features may not be supported by your device. In the app, a warning sign next to a function means that the device may not support it.

2. Interface overview

The figure and the table below describe the elements of the camera.

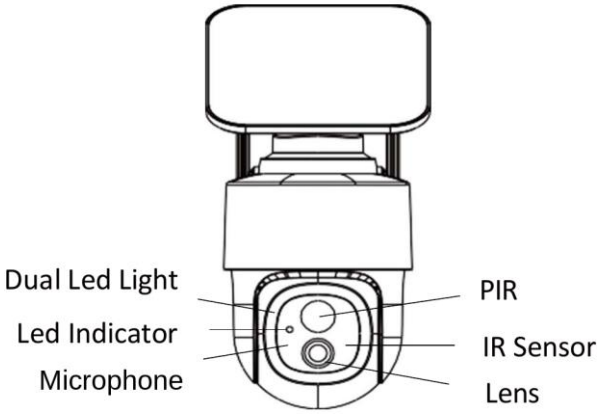


Fig. 2. Elements of the camera

Element	Function
Solar panel	Charges the camera. Connect the cable of the solar panel to the Type-C port at the bottom of the camera (see section 3.3).
Lens	Camera lens.
IR sensor	Works together with the infrared night vision (see Night mode in section 8.5).
PIR sensor	Detects moving objects in front of the camera. The sensitivity is set in the Alarms section (see section 9.1).
Dual LED light	Camera light. It can be switched on and off from the quick menu of the app (see section 5.3).
LED indicator	Shows the status of the camera (see section 2.1).
Microphone	Transmits the sound from the camera to the app.
SIM card slot	Located in the compartment under the rubber plug on the underside of the camera. Insert the 4G SIM card with the chip side down (see section 3.5).
TF (memory card) slot	Slot for the memory card, in the same compartment.
Off / On switch	Power switch of the camera, in the same compartment.
Reset button	Located in the same compartment.
4G antenna	Screw the antenna on before switching on the camera.
Type-C port	Power input. Located under the silicone cover at the bottom of the camera.

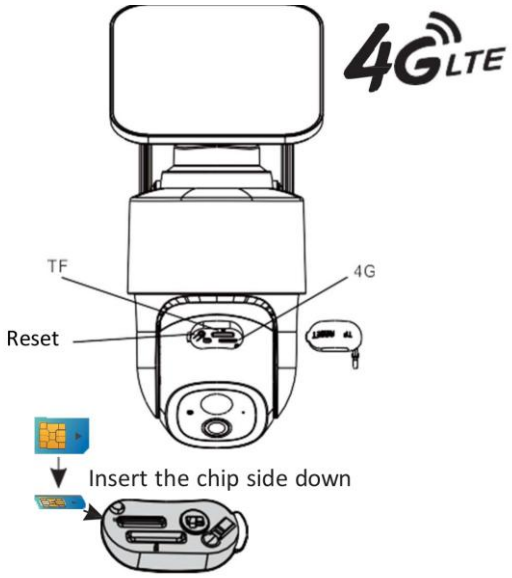


Fig. 3. Underside of the camera: SIM card slot, TF slot, power switch and reset button

2.1. LED indicator

The LED indicator shows the status of the camera:

Indication	Status
Red light, solid	The camera is starting and connecting to the network. Wait until the LED turns blue.
Red light, slow flashing	Waiting for pairing
Blue light, flashing	Connecting to the network
Blue light on	Connected to the network
Blue light on during charging	The camera is charging. The blue light turns off when the battery is full.
Light off	Camera in standby
Blue light on (after standby)	PIR activated

3. Installation and startup

3.1. Method 1 — wall bracket

Mount the camera on the wall with the bracket as shown in the figure.

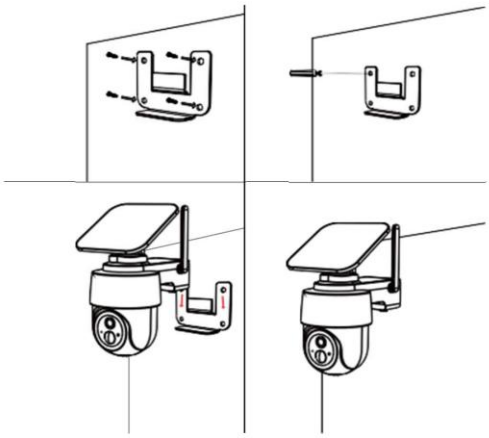


Fig. 4. Mounting with the wall bracket

3.2. Method 2 — mounting plate

Mount the camera on the wall with the mounting plate as shown in the figure.

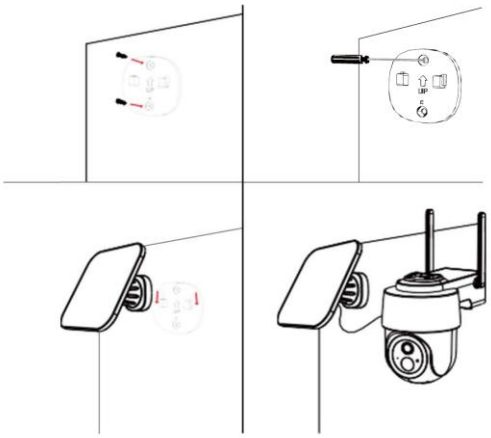


Fig. 5. Mounting with the mounting plate

3.3. Connecting the solar panel

1. Keep the installation angle of the solar panel about 30–45° with the horizontal plane, as shown in the figure.
2. Open the silicone cover at the bottom of the camera and remove the small center part of the cover.
3. Insert the power cord of the solar panel through the opening and plug it into the Type-C port.
4. Close the cover, taking up any slack in the power cord from the solar panel.

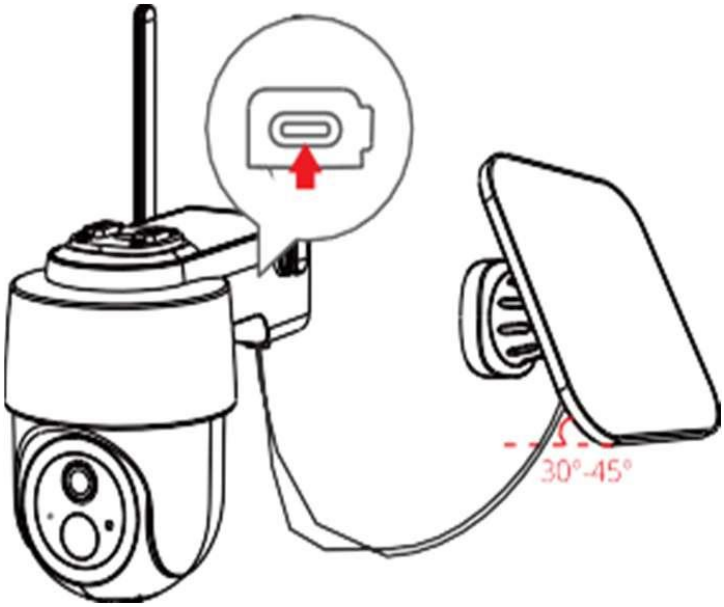


Fig. 6. Connecting the solar panel to the Type-C port

3.4. Tips for the installation of the solar panel

1. When installing in the northern hemisphere, face the panel to the south; when installing in the southern hemisphere, face the panel to the north.
2. Install the solar panel so that the sun is not blocked by any items such as eaves, tree branches, etc.

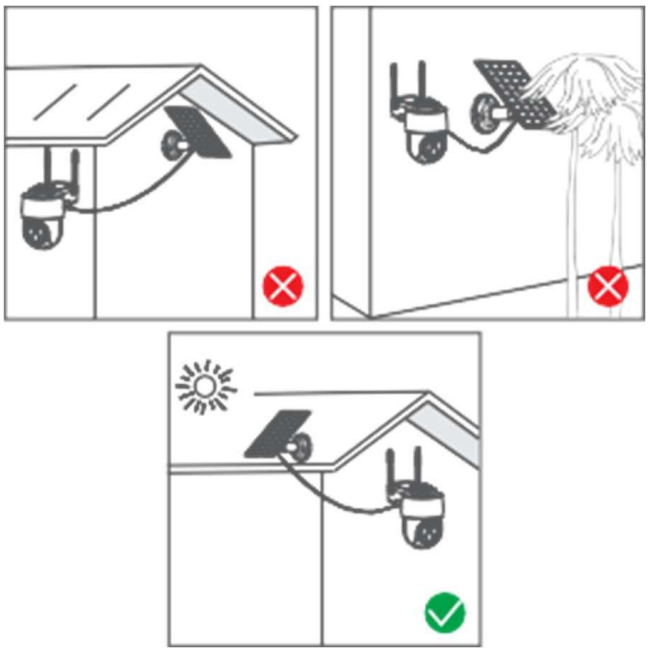


Fig. 7. Correct and incorrect positions of the solar panel

3.5. Inserting the SIM card and switching on

1. Lift the rubber plug on the underside of the camera. Insert the 4G SIM card with the chip side down into the SIM slot and screw on the antenna.
2. Turn on the power switch (On).
3. The status LED turns on in solid red. Wait until the LED turns blue: the camera is connecting to the network.
4. Add the camera in the Partizan app by scanning the QR code on the body of the camera (see section 4.3).

Note: Use a SIM card that does not require a PIN code and make sure that mobile internet services are activated in advance.

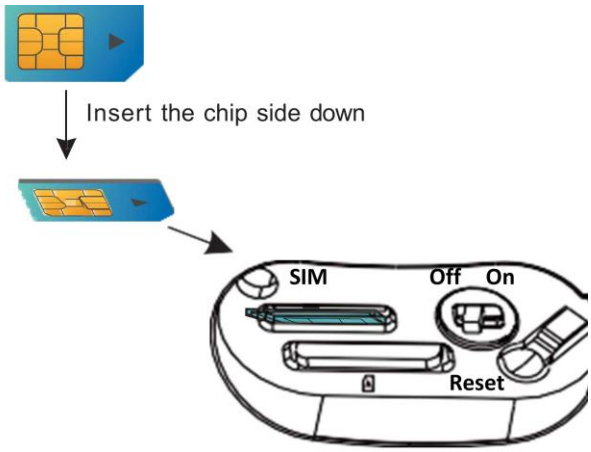


Fig. 8. Inserting the SIM card (chip side down); the SIM slot, the Off / On switch and the reset button

4. Adding the camera to the app

4.1. Installing the application

1. Download the Partizan app from Google Play or the App Store, or scan the QR code on the box.
2. Open the Partizan app, register or log in to your account by following the prompts of the app.

4.2. Adding a device — Wireless Connect mode

Before you start, make sure that you have access to a stable Wi-Fi network with Internet access and that the network operates at 2.4 GHz.

1. Insert the SIM card and power on the camera (see section 3.5). Wait for the startup to complete.
2. In the Partizan app, tap “+” in the upper right corner of the My devices screen (in the Android app, the button is in the lower right corner) and choose **Add device** (Fig. 9a).
3. Choose **Wireless Connect** (Fig. 9b). The wizard opens; read the instructions and tap **Next** (Fig. 9c).
4. Select the location of the device — your cloud account (Fig. 10a).
5. Choose **Cameras** (Fig. 10b), then **Solar cameras** (Fig. 10c) and **Solar Outdoor 4G Robot** (Fig. 11a).
6. Enter the name and the password of your Wi-Fi network and tap **Next** (Fig. 11b). If your phone is not connected to Wi-Fi, connect it to your Wi-Fi network first.
7. Then follow the prompts of the app.
8. Specify the name of your new device and, optionally, a folder.
9. Once the setup is complete, tap **Done**.
10. The list of your devices opens. Tap the name of your new device to open the preview window.

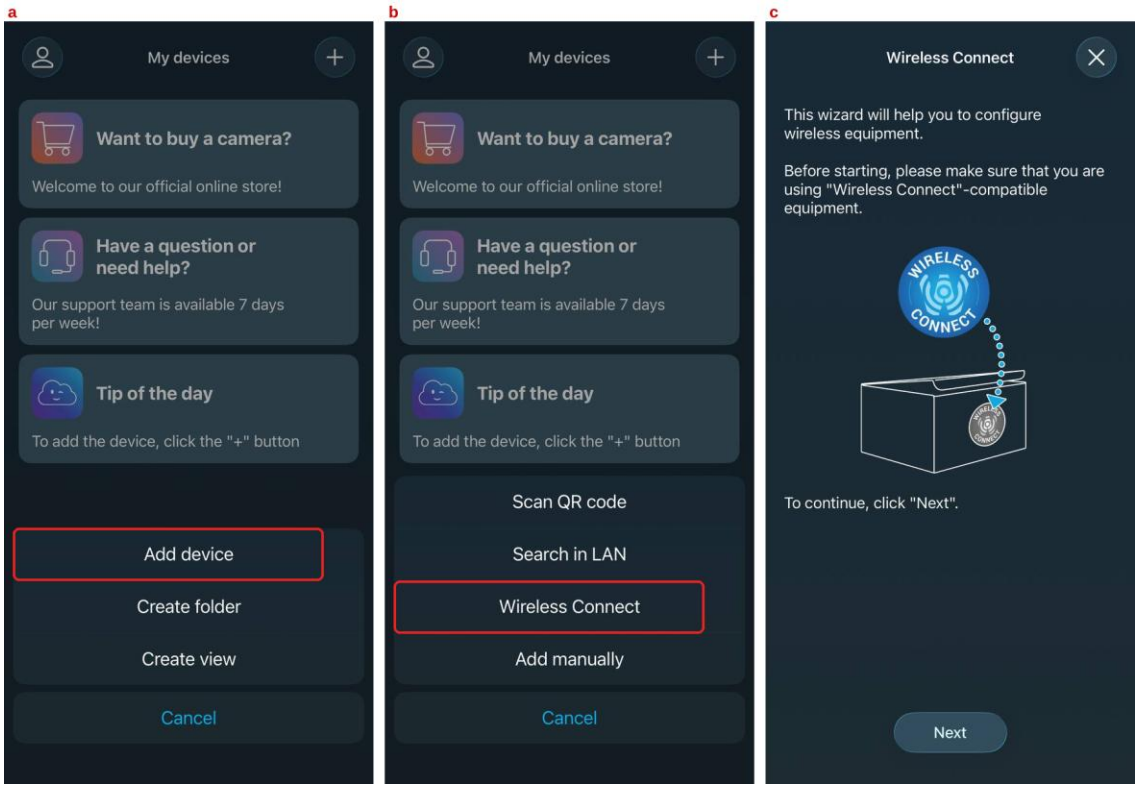


Fig. 9. Adding the camera: (a) Add device, (b) Wireless Connect, (c) wizard start

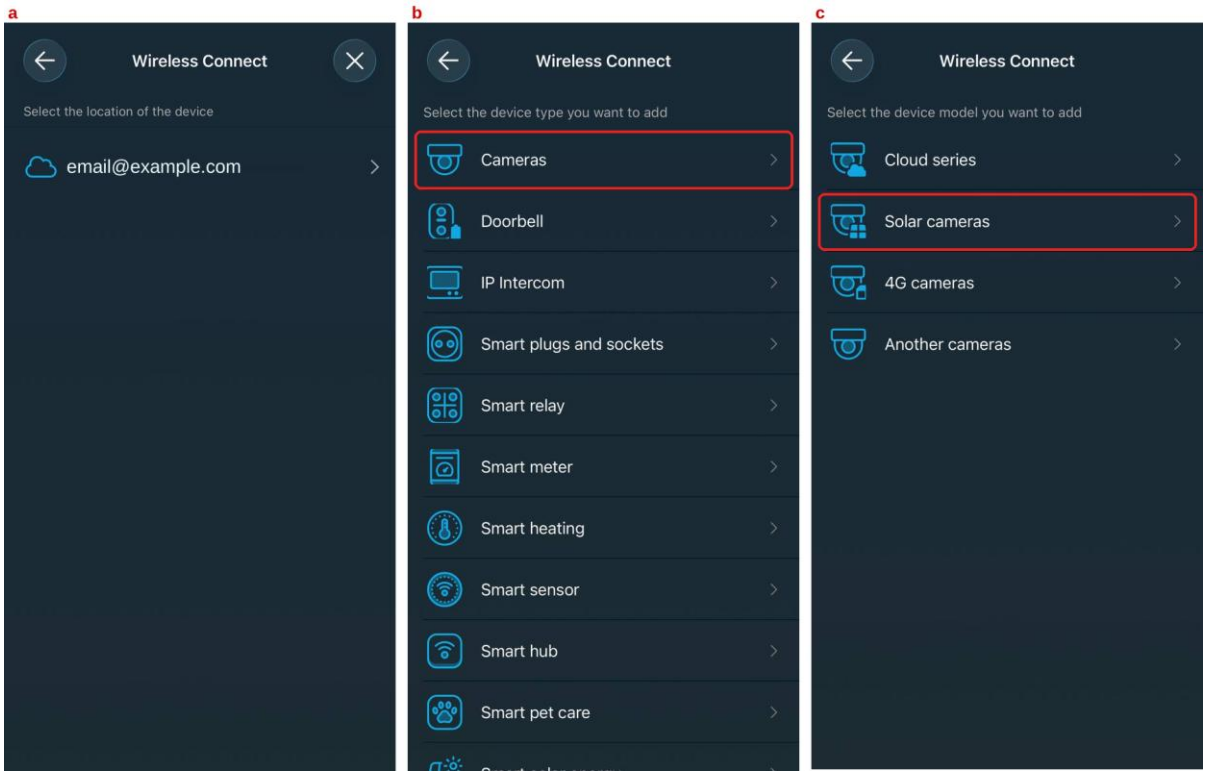


Fig. 10. Adding the camera: (a) location of the device, (b) device type, (c) camera series

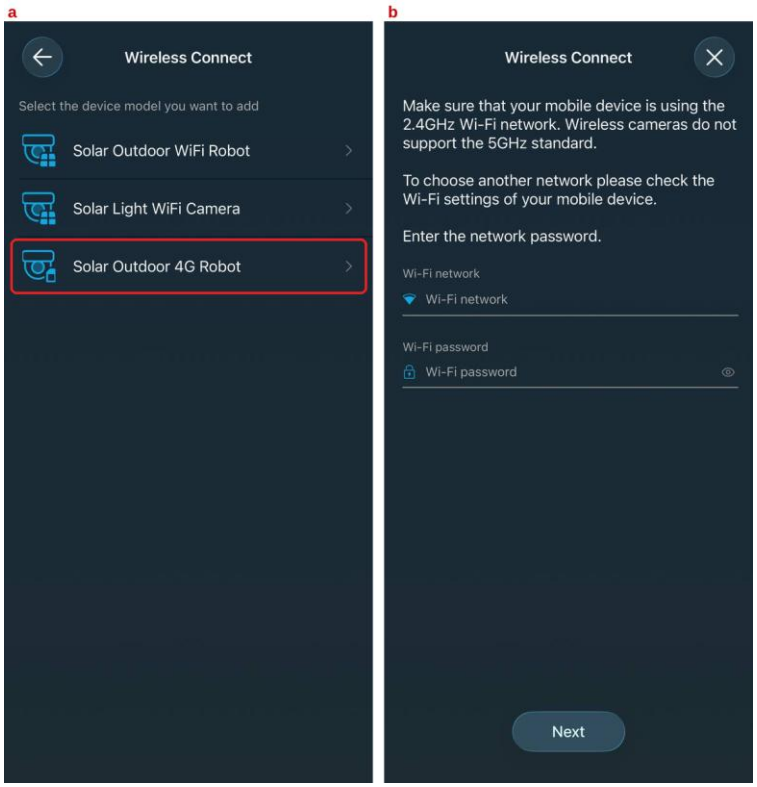


Fig. 11. Adding the camera: (a) camera model, (b) Wi-Fi network and password

Note: The camera supports 2.4 GHz Wi-Fi only.

4.3. Adding a device by scanning a QR code

1. Power on the camera and wait for the startup to complete.
2. Scan the QR code on the packaging of the device or on the body of the camera (Fig. 12a) and follow the link.
3. Follow the prompts of the app and choose your cloud account (Fig. 12c). The wizard reminds you to insert a SIM card that does not require a PIN code and to activate mobile internet services in advance, and shows how to reveal the SIM card slot under the rubber plug on the underside of the camera (Fig. 12b).
4. Enter the name and the password of your Wi-Fi network (only 2.4 GHz Wi-Fi is supported) and tap **Next** (Fig. 12d). If your phone is not connected to Wi-Fi, connect it to your Wi-Fi network first.
5. Complete the setup as described in steps 8–10 of section 4.2.

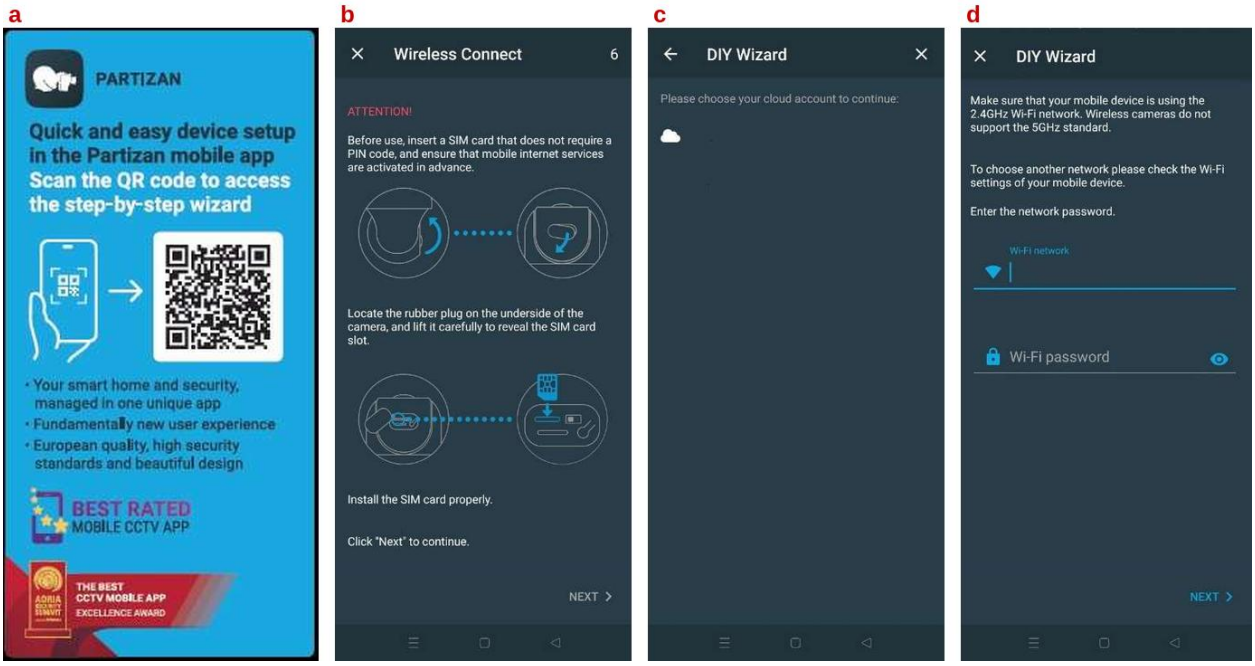


Fig. 12. Adding the camera by the QR code (Android app): (a) QR code on the packaging, (b) wizard, (c) cloud account, (d) Wi-Fi network

5. Live view

5.1. Home screen

Open the Partizan app and tap the name of your device in the list of devices to open the home screen with the live view.

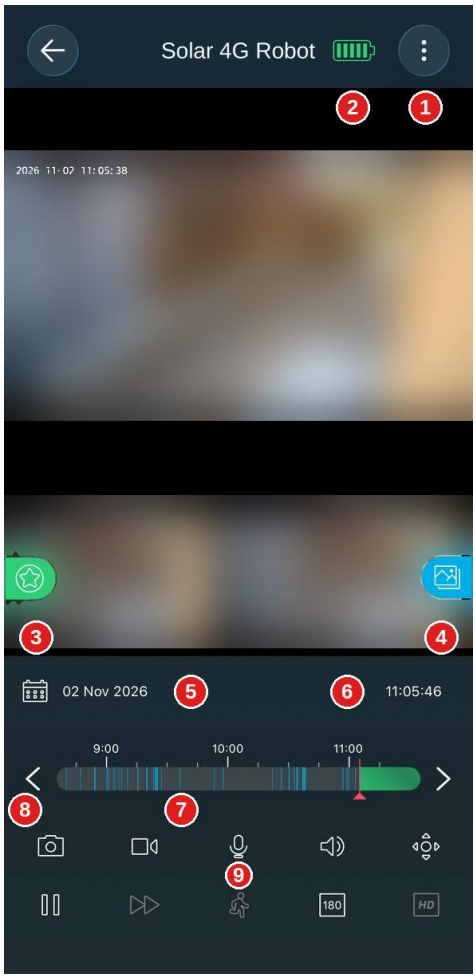


Fig. 13. Home screen

No.	Element	Function
1	Main menu	Opens the menu of the device: **Device settings** (see section 8).
2	Battery indicator	Shows the battery charge of the camera.
3	Quick menu	Quick access to the camera light and the alarm sound (see section 5.3).
4	List of past alarms	Shows the list and time of the alarms that have occurred previously.
5	Date	Date of the displayed video.
6	Time	Time of the displayed video.
7	Archive timeline	Timeline of the archive. Alarms are marked in blue; the red marker shows the current position.

No.	Element	Function
8	Archive scale management	Arrows at the sides of the timeline move along the archive scale.
9	Control icons	Photo, video recording, audio, camera control and archive playback (see section 5.2).

5.2. Home screen icons

Icon	Function
	Take a photo with the camera.
	Record video from the camera.
	Stream audio from the app directly to the camera. You can speak into the phone, and the sound is played through the camera speaker.
	The camera transmits the sound from its microphone to the app.
	Control the position and zoom of the image from the camera.
	Pause.
	Accelerated archive playback.
	Change the type of alarms displayed on the scale.
	Number of minutes on the archive scale.
	Switch between Mainstream and Substream.
	This device may not support some features.

5.3. Quick menu

With the quick menu, you can quickly turn certain camera functions on or off using icons. Tap the round button at the left edge of the video to open it (Fig. 14b).

Icon	Function
	Turn the camera light on or off.
	Enable or disable the alarm sound.
	This device may not support some features.

5.4. Camera control

Tap the camera control icon to open the control panel (Fig. 14c). The panel contains a direction pad for moving the camera, a “+ / –” control with a numeric value on the left and a zoom (magnifier) “+ / –” control on the right.

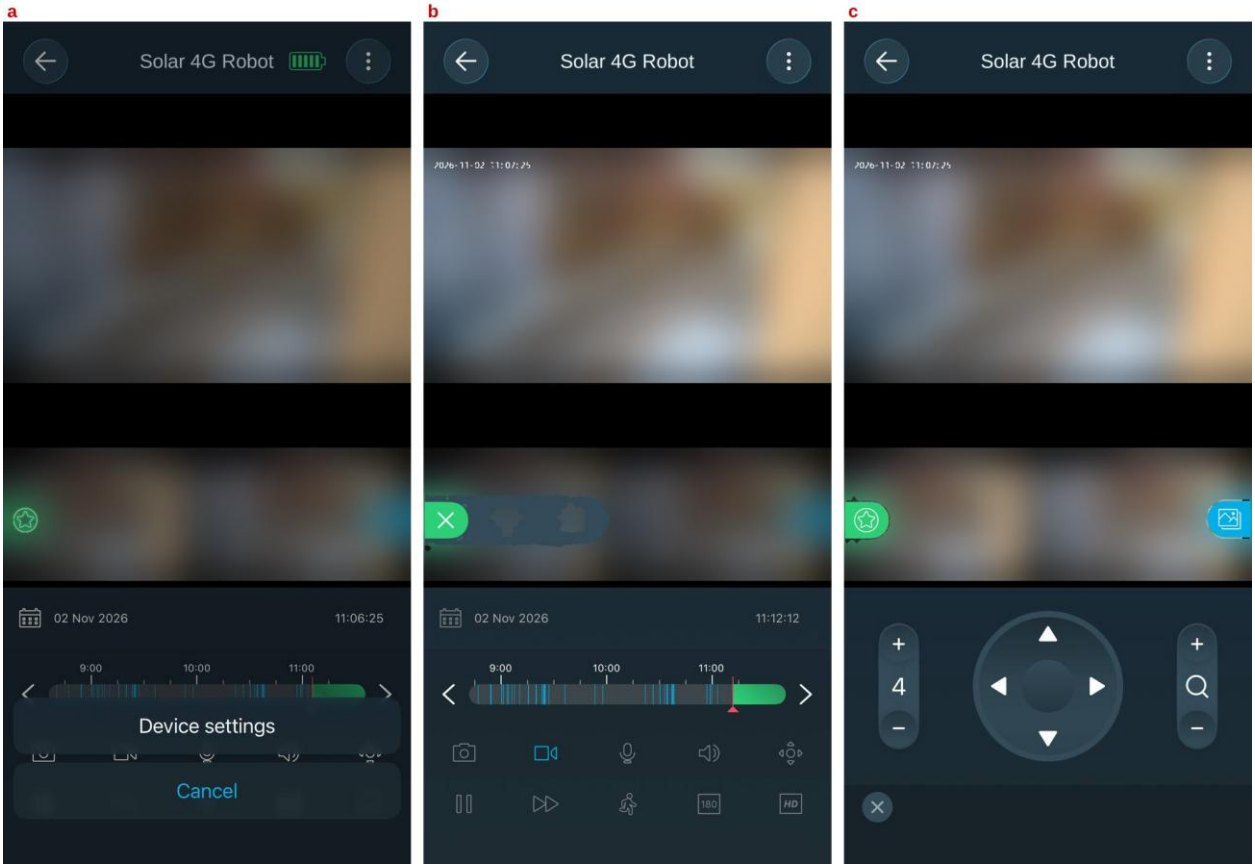


Fig. 14. (a) Menu of the device, (b) quick menu, (c) camera control panel

6. Archive playback

The timeline below the video shows the archive. Alarms are marked on the timeline in blue, and the red marker shows the current position (see Fig. 13, items 7 and 8).

To play back the archive, use the following functions of the home screen (see section 5.2):

- **Pause** — pause the playback.
- **Accelerated playback** — fast archive playback.
- **Alarm type** — change the type of alarms displayed on the scale.
- **Minutes on the scale** — change the number of minutes on the archive scale (for example, 180).
- **Mainstream / Substream** — switch between the streams.

Tap **List of past alarms** to see the list and the time of the alarms that have occurred previously.

7. Cloud account and remote access

7.1. Cloud account and My devices

Tap the profile icon in the upper left corner of the **My devices** screen to open the menu: Profile, your cloud account, My devices, News, Support and Settings (Fig. 15a). The list of your devices and folders opens in **My devices** (Fig. 15b). Tap the line with the name of your device to go to the home screen.

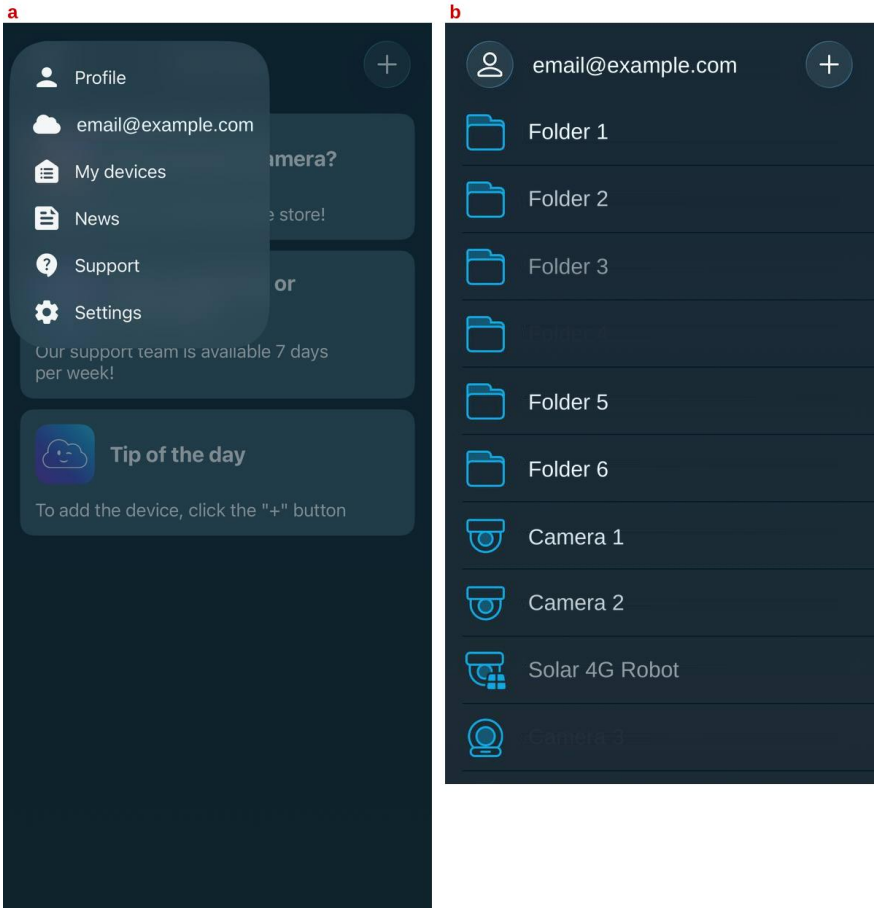


Fig. 15. (a) Account menu, (b) My devices

7.2. Shared access

With Shared access, you can grant access to the device to another user of the Partizan app. Enter the e-mail of the user (cloud account) and tap **Save**.

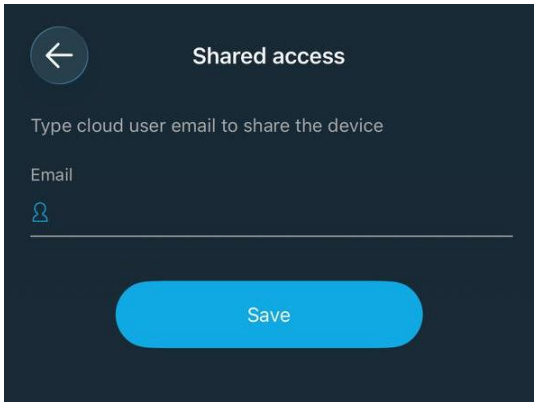


Fig. 16. Shared access

7.3. Support

By selecting the **Support** menu item, you can contact the technical support service using the WhatsApp, Viber or Telegram messengers.

8. Camera settings

8.1. Opening the settings

Tap the three dots in the upper right corner of the home screen and choose **Device settings** (Fig. 14a). The list of settings opens (Fig. 17a): Connection settings, Device settings, Alarms, Video settings, Storage, Shared access, Firmware upgrade and Delete device.

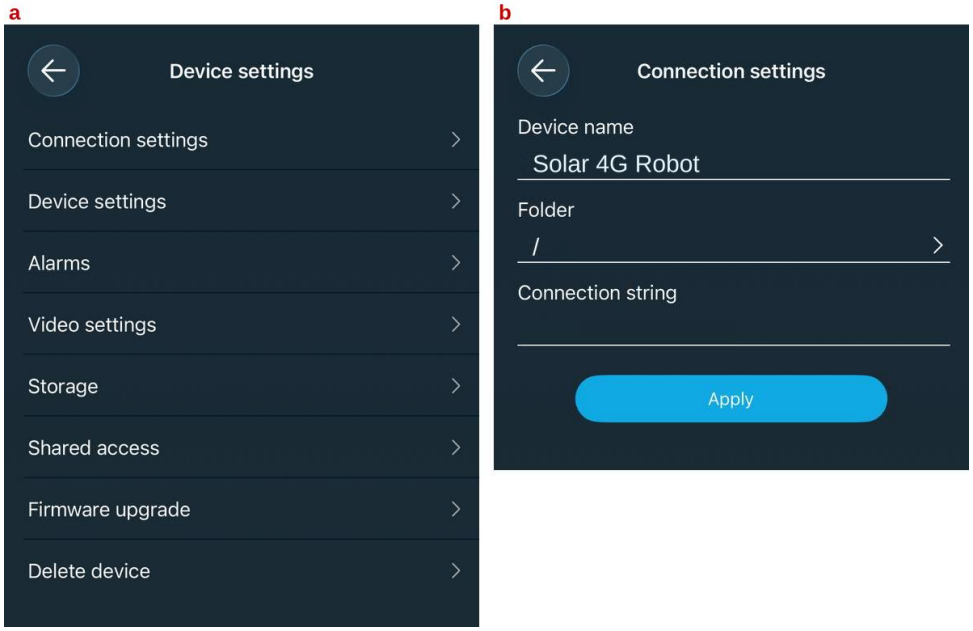


Fig. 17. (a) Device settings, (b) Connection settings

8.2. Connection settings

In the Connection settings section, you can change the device name or move the device to a folder. Tap **Apply** to save the changes (Fig. 17b).

8.3. Device settings

In the Device settings section, the **4G signal** indicator shows the level of the mobile signal. The **Status/button light** switch enables or disables the backlight of the buttons and the status indicator; when it is active, the light sensor is highlighted in blue.



Fig. 18. Device settings (Android app)

8.4. Storage

In the Storage section, you can check the total capacity of the memory card (Volume), the amount of free space (Free space) and the status of the card. If necessary, tap **Format** to format the card.

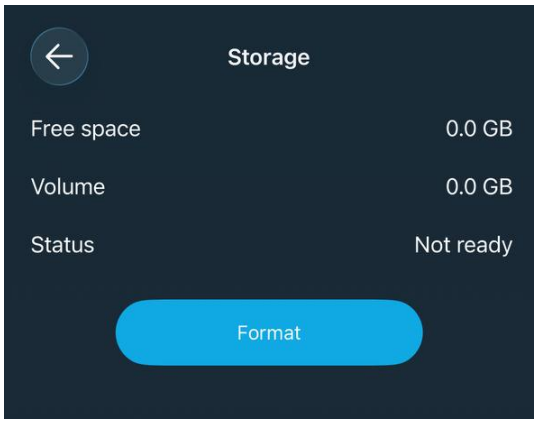


Fig. 19. Storage

8.5. Video settings

In the Video settings section, you can flip the image, enable the time display on the video, use the wide dynamic range and configure the night mode.

- **Flip image** — the image is rotated by 180°.
- **Display timestamp** — the time and date are displayed on the video.
- **WDR** — wide dynamic range.
- **Night mode** — available options: Auto (factory setting), IR mode and Color mode. In **IR mode**, if there is insufficient light, the camera turns on the IR diodes and records the image in black and white. In **Color mode**, if there is insufficient light, the camera continues to record the image in color without turning on additional diodes.

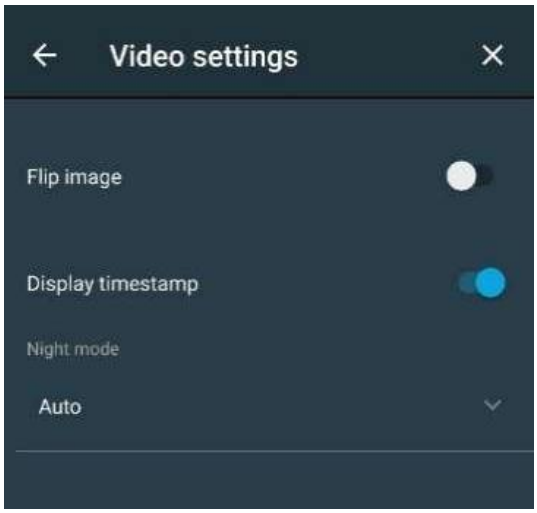


Fig. 20. Video settings

9. Alarms

In the Alarms section, you can set the conditions that, if violated, send a message to the smartphone connected to the device.

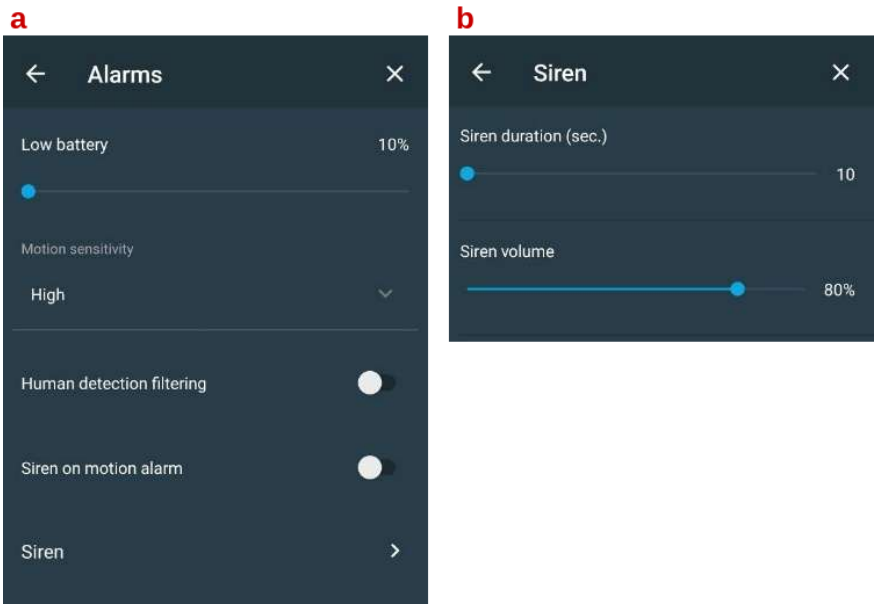


Fig. 21. (a) Alarms, (b) Siren (Android app)

9.1. Alarm settings

- **Low battery** — if the battery charge of the camera is lower than the specified level, a notification is sent to your smartphone.
- **Motion sensitivity** — set the motion detection sensitivity: Low, Medium or High.
- **Human detection filtering** — if the function is activated, the camera sends notifications only when people are detected in the surveillance area.
- **Siren on motion alarm** — if the function is activated, the camera turns on the siren when motion is detected.

9.2. Siren

In the Siren section, you can adjust the **Siren duration (sec.)** and the **Siren volume** (Fig. 21b).

10. Maintenance

10.1. Firmware update

Our team is constantly working to improve the functionality of our products. You can update the firmware of your device in the Firmware upgrade section: the current firmware version is shown there; tap **Firmware upgrade** to update.



Fig. 22. Firmware upgrade

10.2. Delete device

If you need to remove the device, use the Delete device section. When you remove the device, all related data is deleted. Tap **Delete device** and confirm the action.

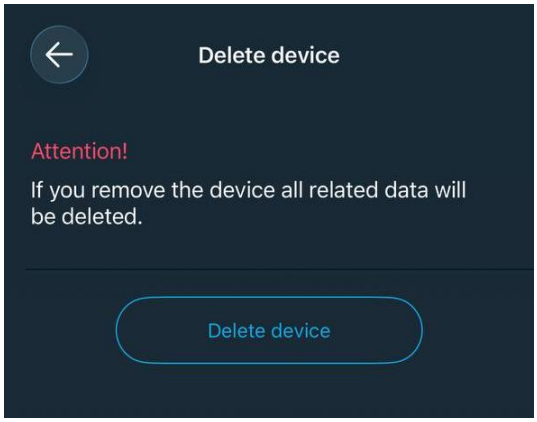


Fig. 23. Delete device

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