Prepairing JC100/200 Devices and Configuring a Unit in Wialon to Download Images and Videos

This guide describes how to prepare a JC100 or JC200 device and to configure in Wialon a unit which uses this device in order to receive photos and videos. After configuring the unit, you can also execute other commands described in the supplement to the guide.

> The JC100 and JC200 devices can only transfer files **in real time**, that is, it is impossible to receive files from the memory of these devices.

1. Download the appropriate firmware for the device in Gurtam forum and install it according to the guide which is also available there.

2. Create a unit. On the **Advanced** tab, specify the unit name, device type and unique ID. For **JC200** devices, choose the **JC100 type**.
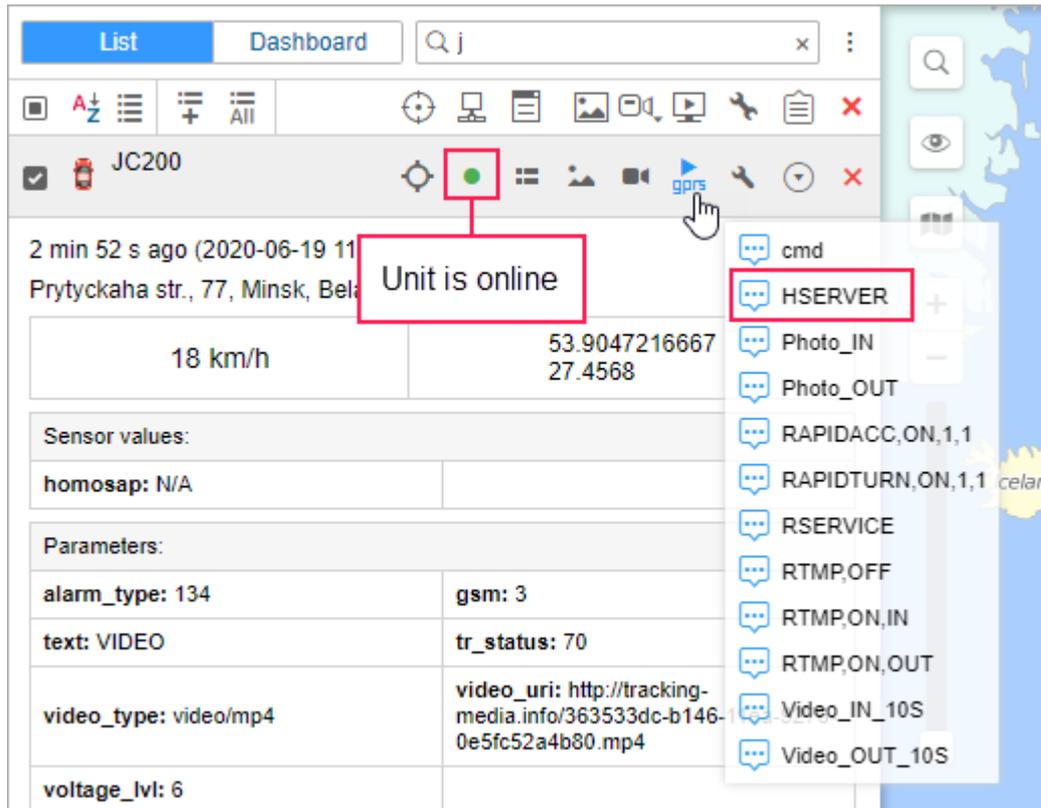
3. On the **Commands** tab of the unit properties, create a command to tell the device the address for downloading photo and video files. Select the **Send custom message** type for the command. In the **Channel** field, select **TCP**.

4. Uncheck the **Without parameters** option and type in the **Message** field the IP address and the port of the server indicated in the **General** tab of the unit properties.

Use the following format: HSERVICE,http://<IP address>:<port number>/. For example, HSERVICE://193.193.165.165:21607/.
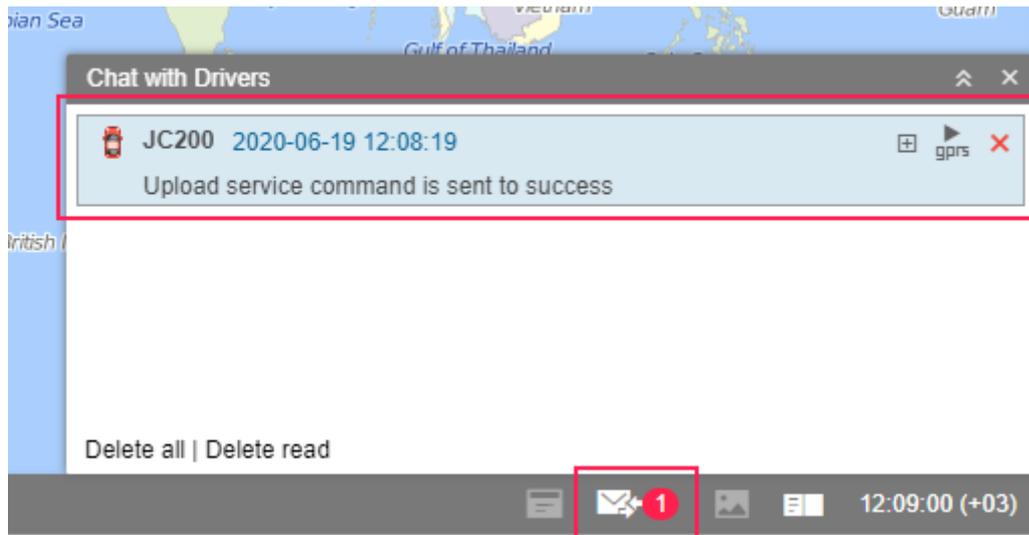
5. Click **OK**.

6. Make sure that the unit is online (a green icon is displayed opposite the unit name in the work list of the **Monitoring** tab) and click on the icon ▶gprs to send the command.

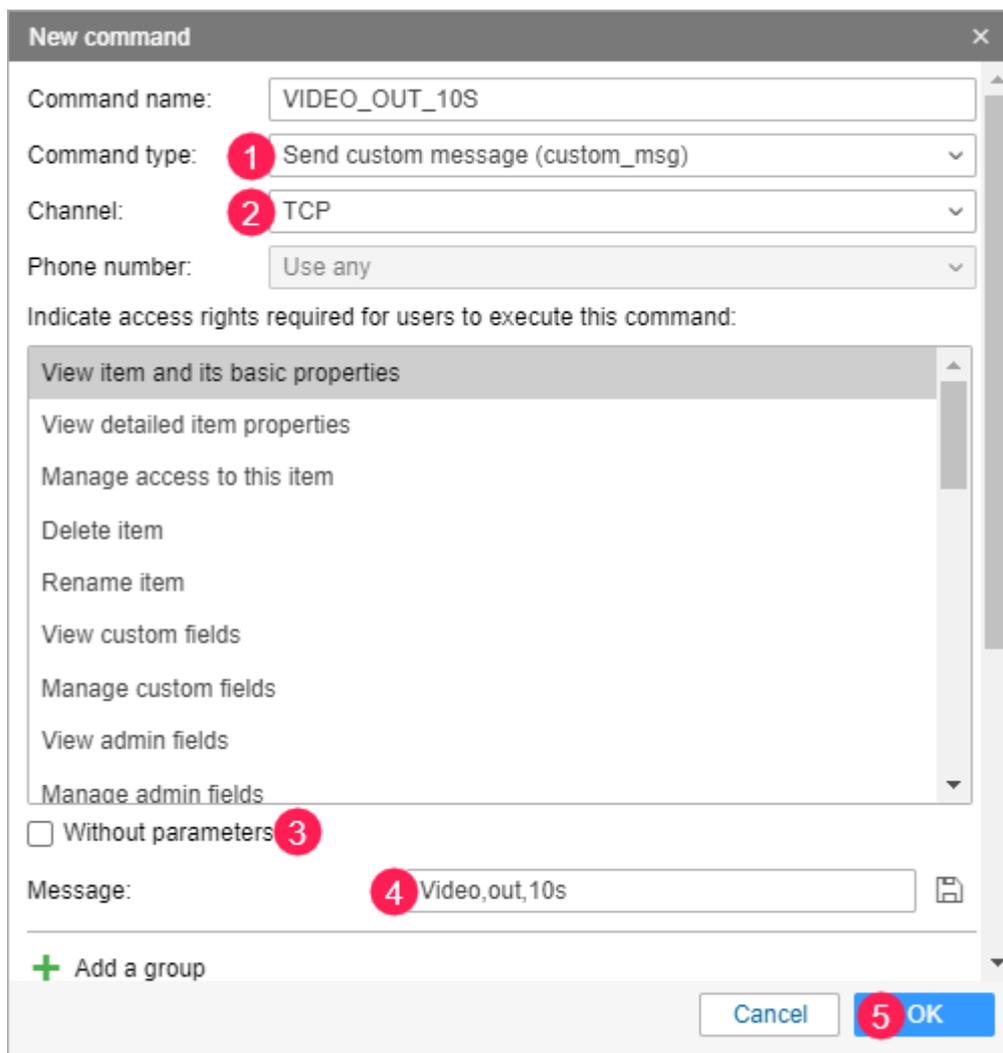**7.** In the list of available commands, select the one created at step **3** (HSERVER). Click **OK**.
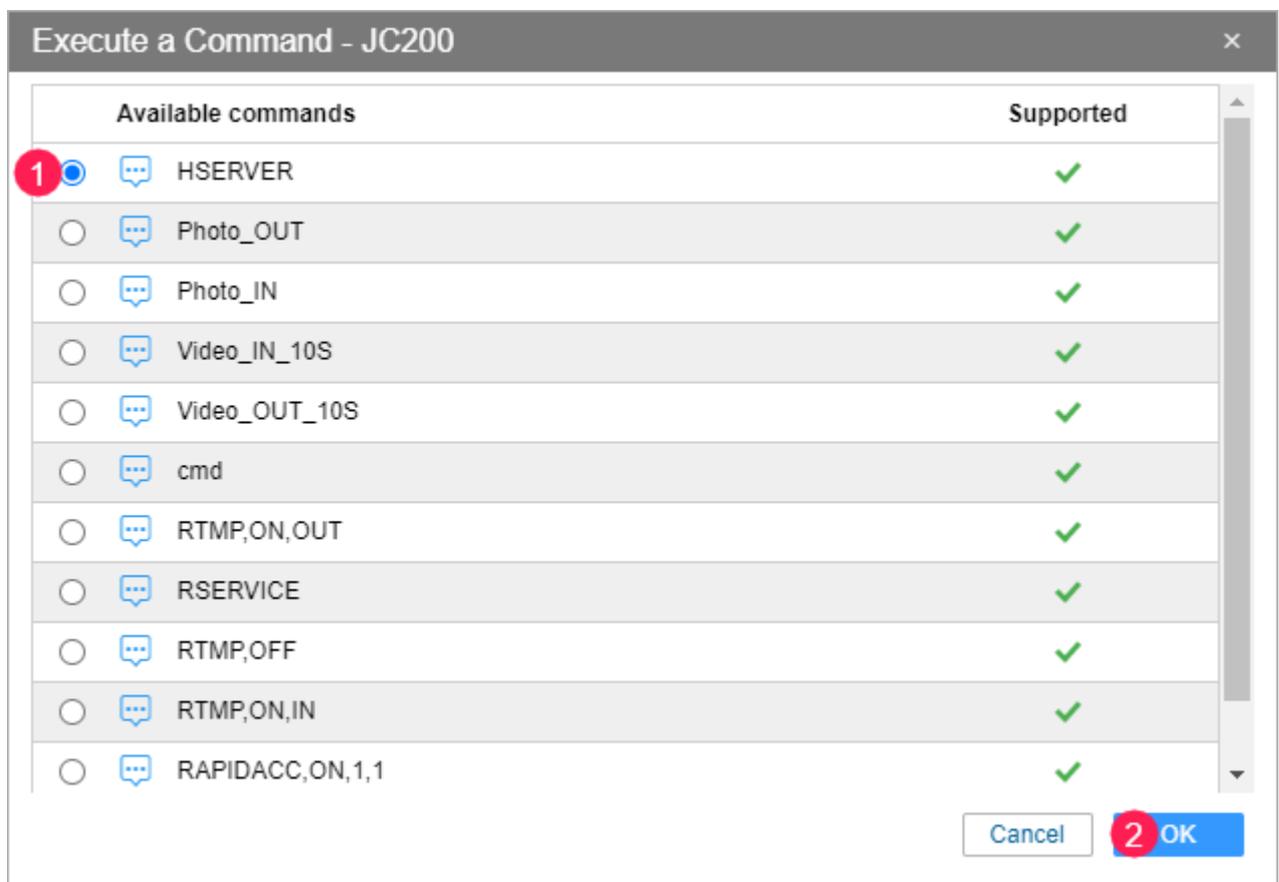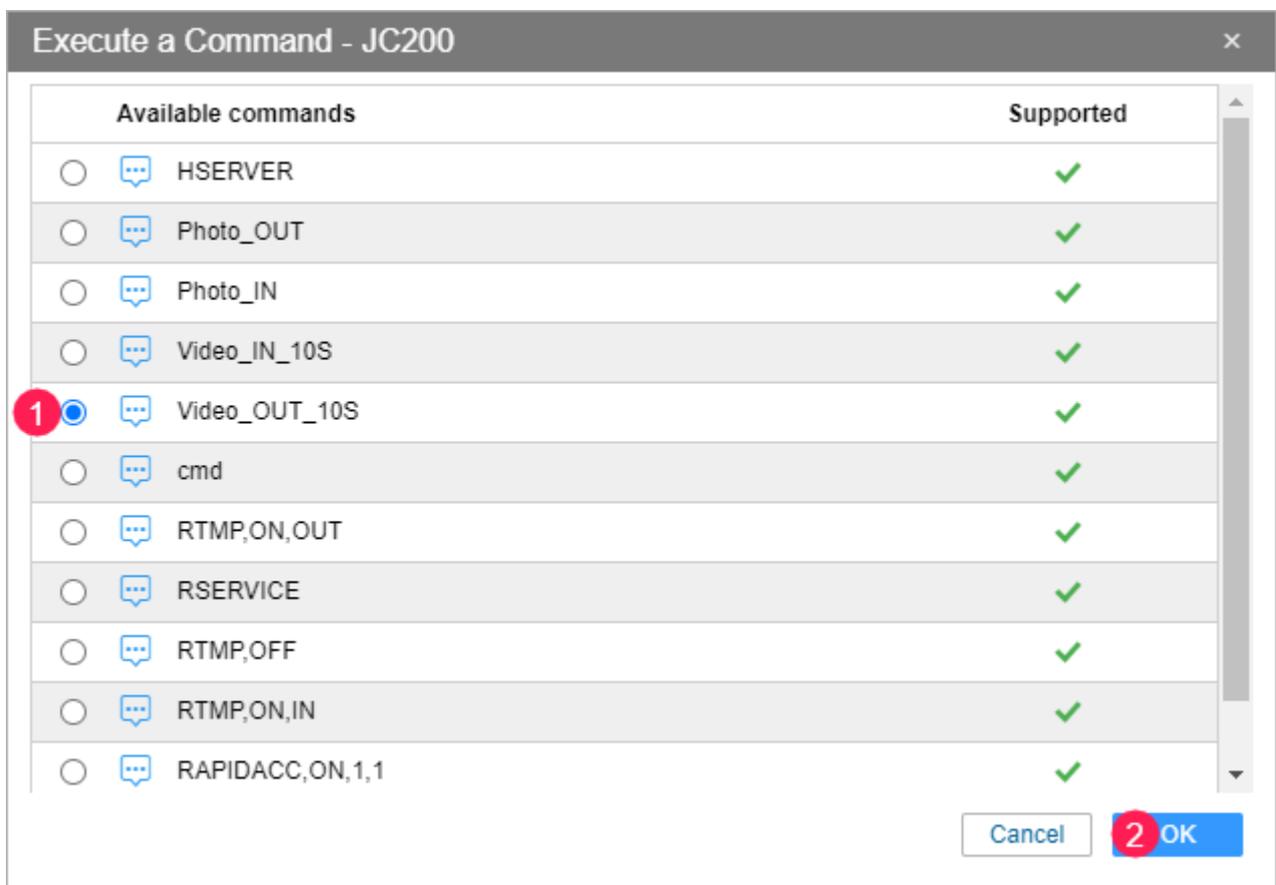
8. In the **Chat with Drivers** window, you will see a message about sending the command successfully.


9. On the **Commands** tab of the unit properties, create a command to download photo or video file. To do this, select the **Send custom message (custom_msg)** type. In the **Channel** field, select **TCP**.

10. Uncheck the **Without parameters** option. In the **Message** field, select one of the available options.

- **Video,in,Ns:** to request a video from the internal camera, where **N** is the duration of the video (not more than 20 s). For example, **Video,in,10s**.
- **Video,out,Ns:** to request a video from the external camera, where **N** is the duration of the video (not more than 20 s). For example, **Video,out,10s**.
- **Picture,in:** to request a photo from the internal camera.
- **Picture,out:** to request a photo from the external camera.

11. Click **OK**.

12. Make sure that the unit is online and click on the icon ▶gprs to send the created command.

13. In the list, select the command you need (Video_OUT_10S) and click **OK**.

| Execute a Command - JC200		✕
Available commands		Supported
○ 💬 HSERVER		✔
○ 💬 Photo_OUT		✔
○ 💬 Photo_IN		✔
○ 💬 Video_IN_10S		✔
1 ◉ 💬 Video_OUT_10S		✔
○ 💬 cmd		✔
○ 💬 RTMP,ON,OUT		✔
○ 💬 RSERVICE		✔
○ 💬 RTMP,OFF		✔
○ 💬 RTMP,ON,IN		✔
○ 💬 RAPIDACC,ON,1,1		✔
	Cancel	**2** OK

14. In the **Chat with Drivers** window, you will see a message about sending a command to download a file.
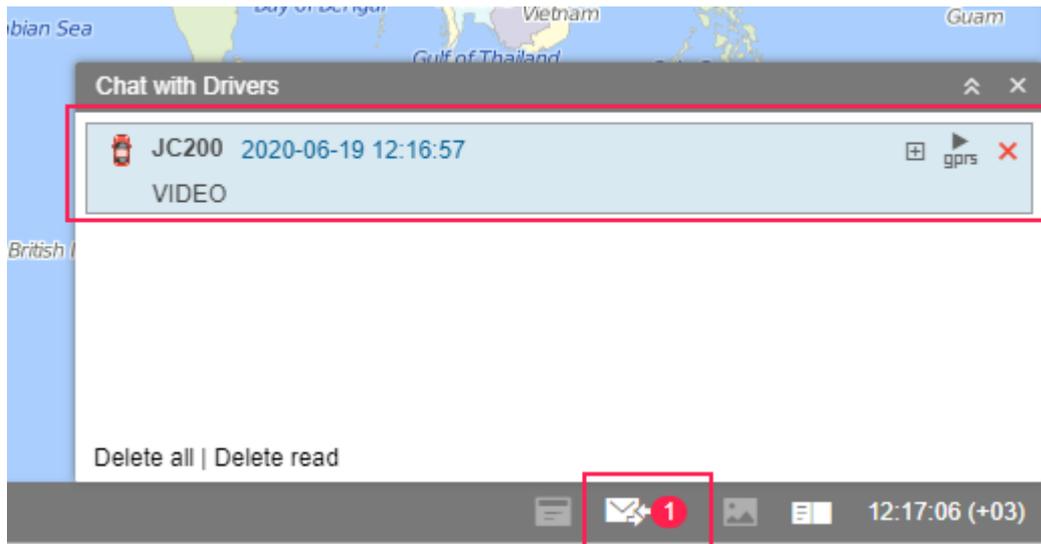
15. After downloading is complete, a red indicator is displayed near the icon 🖼 in the bottom panel. Click on it to open the file. You can also cick on the icon 🖼 opposite the unit name in the work list (the **Media** option).

2020-06-19 12:16:56 357730090422594 27.455430 53.906387 0km/h

00:00 | 00:10
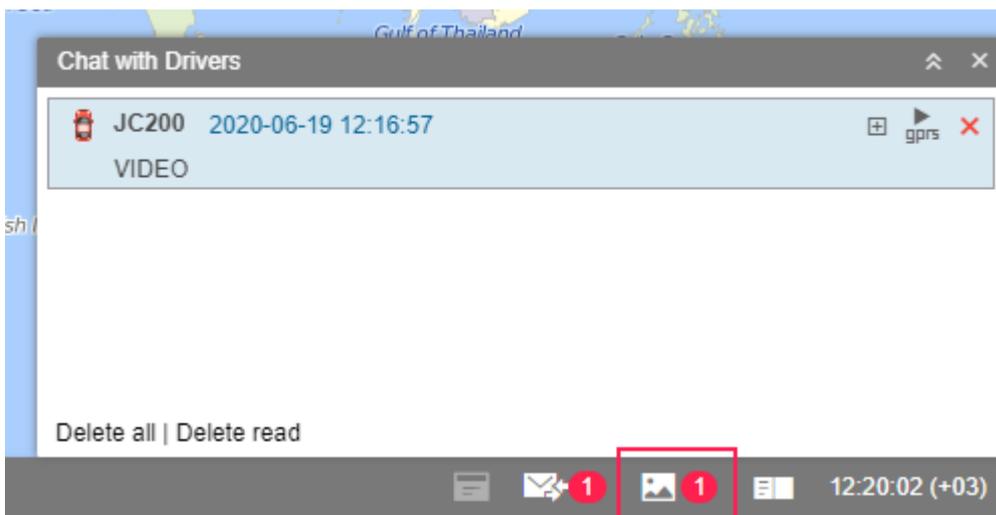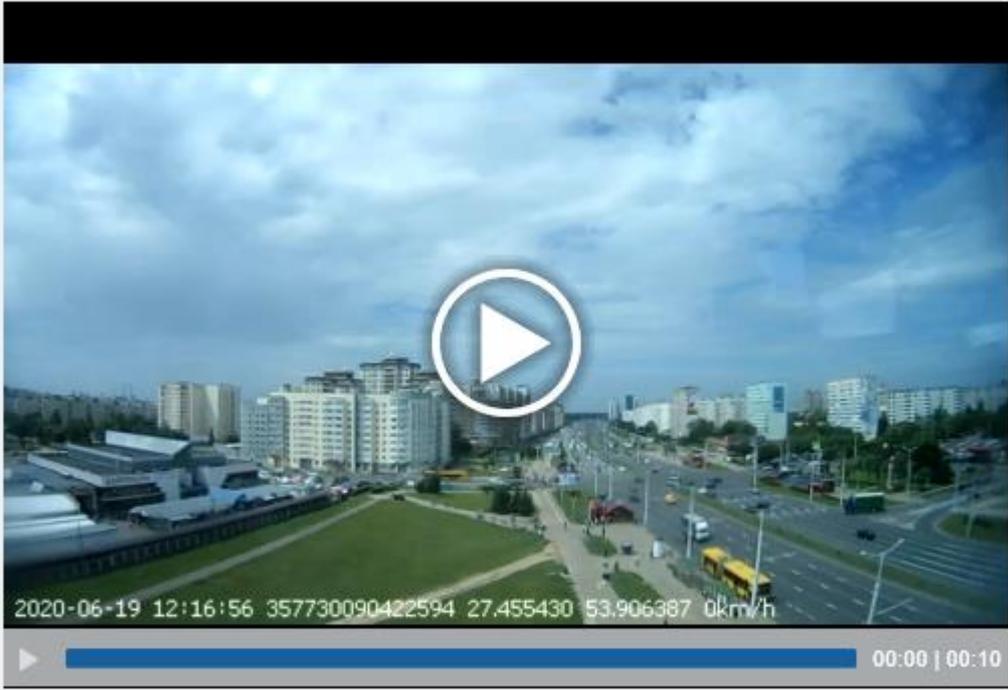
JC200

Other available commands

Before creating a command, you should prepare the device and configure a unit in Wialon (steps **1** — **8** of the guide). The text of the command should be typed in the **Message** field when creating the command (see steps **9** — **10** of the guide).

Video streaming

To stream video, some additional configuration of the unit is required. To do this, fill in the fields described below in the **Device configuration** window of the unit properties (icon 🔧 in the **General** tab).
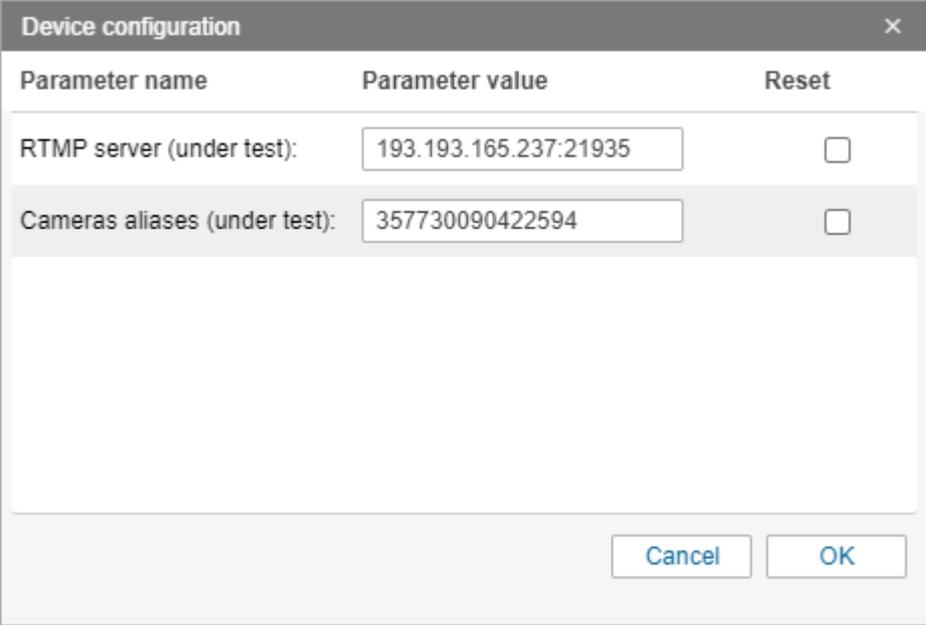
- **RMTP server**. Here you should specify the IP and the RTMP port of the server which is set by the user.
- **Camera aliases**. Indicate the unique ID of the unit as the ID of the camera.

The following commands are used to manage the video streaming:

- **RMTP,ON,IN**: enable video streaming from the internal camera;
- **RMTP,ON,OUT**: enable video streaming from the external camera;
- **RMTP,OFF**: disable video streaming.

To watch the video streaming, click on the icon ▣ in the work list of the **Monitoring** tab.

It is impossible to stream video from two cameras at the same time.