Android Mobile Client. User Guide

Version 2.0.0

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General information about the Android mobile client

The client app for mobile devices running Android (version 4.1.1 and later) is available for free on the Google Play.

The client for iOS devices allows connecting to Axxon Next servers (version 3.0 and later) and Intellect servers (version 4.9.0 and later).

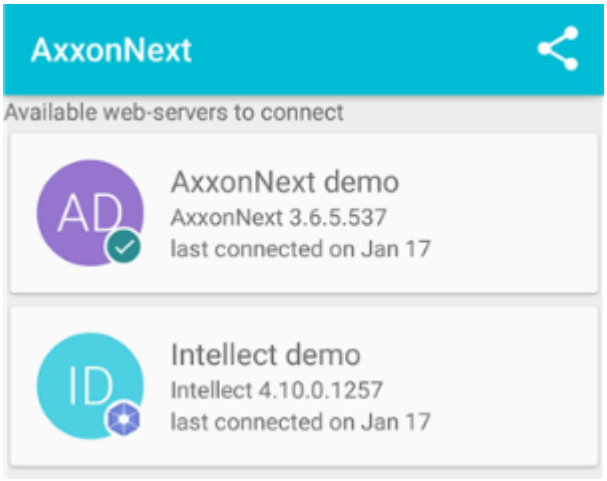
Client features are described in the table.

Client features	Working with Intellect servers	Working with Axxon Next servers
Live video	+	+
Playback of recorded video	+	+
Zoom in (with digital zoom)	+	+
Managing cameras, relays and sensors	+	-
View maps	+	-
Run macros	+	+

Connecting to the server and working with servers in the Android client

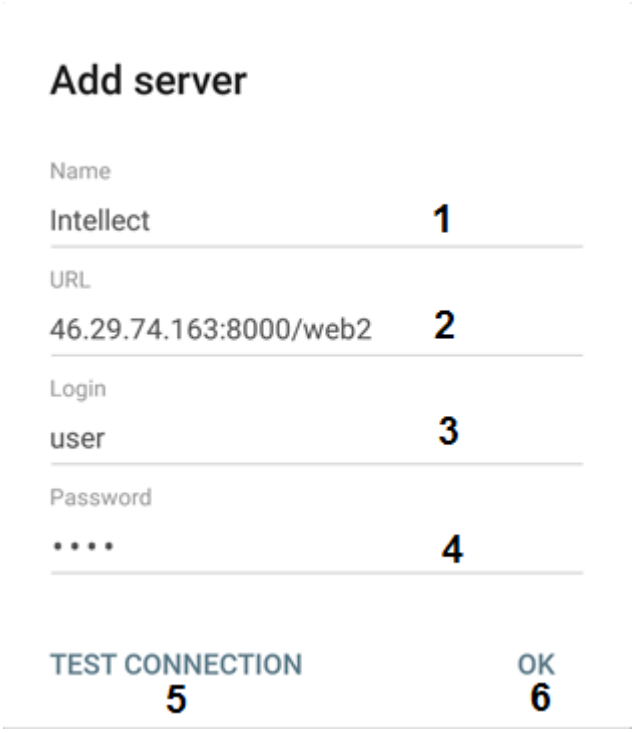
Configure the Web server in the appropriate software package before connecting to the Server (see Configuring the web server, Configuring the server for the clients connection via the Web-server 2.0 module).

When you start the software for the first time you can connect to the *Intellect* and *Axxon Next* demo servers to see your Client's capabilities.



Add a new server as follows:

1. Click the button.
2. Set Server connection parameters:
    a. Enter the server name (**1**).



b. Enter the URL server address in the format http://<IP address of Axxon Next server>:<Port>/<Prefix> (**2**).

> **Note**
> Example URLs with standard Server settings for Axxon Next and Intellect:
>
> ***Axxon Next***: 192.168.0.10:8000/asip-api
>
> ***Axxon Intellect***: 192.168.0.10:8085/web2

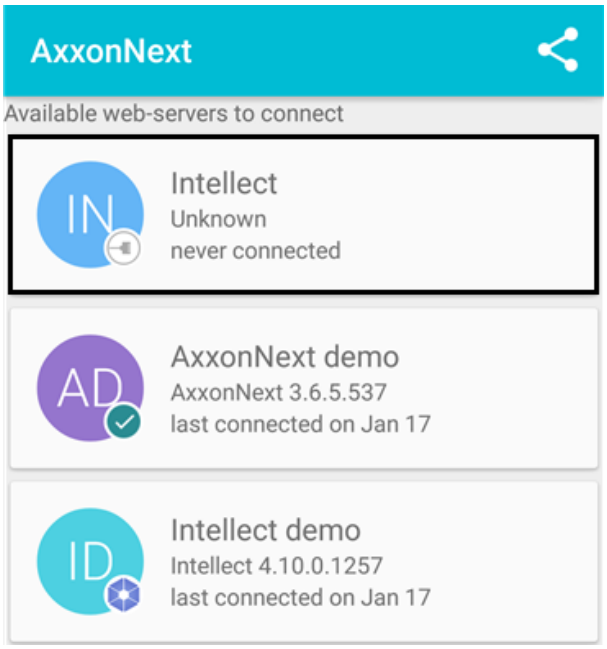
c. Enter the user name and password for connecting (**3**-**4**).

3. To test the connection, tap the **Test connection** button (**5**). If the server is running, the connection settings are correct, and the device has a stable Internet connection, the message **Connection successful** appears. Otherwise, a message will remind you to verify these conditions.

> **Note**
> To perform a basic check of the web server connection and operability, in a browser on your mobile device, go to the Server's URL address (see paragraph 2).

4. To save the server, tap the **OK** button (**6**).

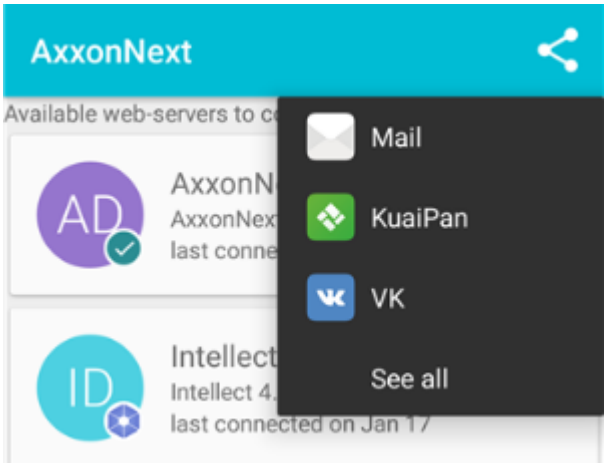
The server is added to the list.



Swipe to remove the Server. To go to the settings press and hold for 2-3 seconds.

> **Note**
> To cancel removing, click the **Cancel** button.

You can share the created server settings. For this click the button and select a handy way.

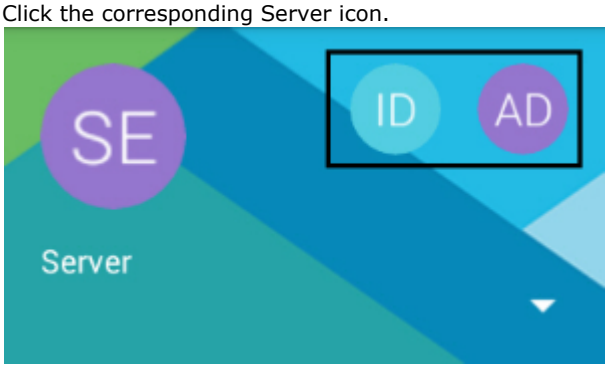


The server that is now connected is marked .

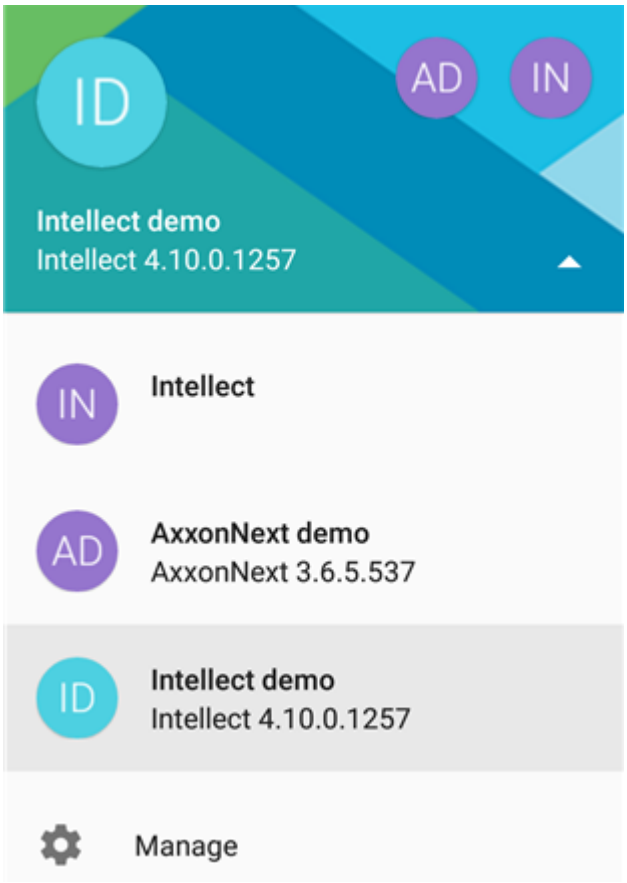
To connect to another server, call the Client context menu by clicking the button in the top left corner.

Select the required server as follows:

1. Click the corresponding Server icon.



2. Click and select the required Server in the list.

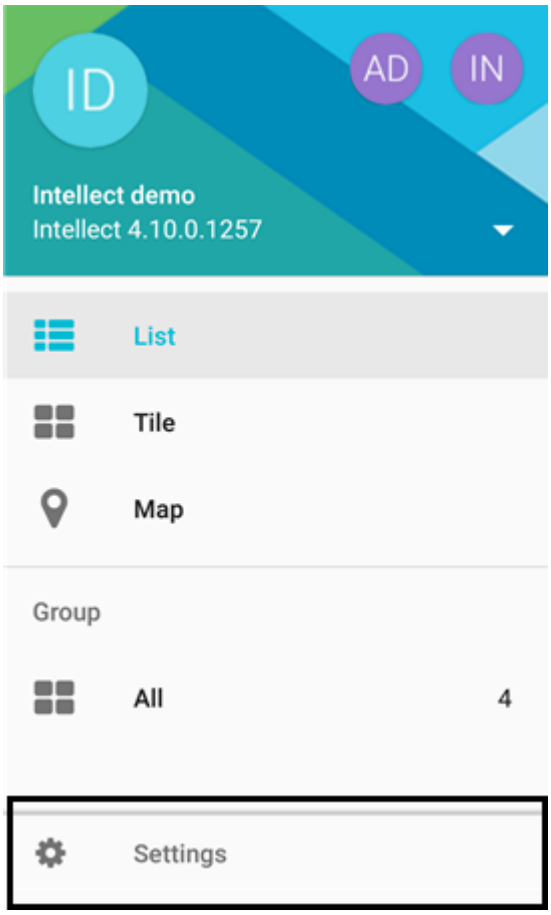


To restore to the Server settings, click **Manage**.

Mobile Android Client settings

To go to the setup menu:

1. Call the main menu by clicking the button in the top left corner.
2. Select the **Settings** item.



Restricting video playback fps and resolution in Android mobile client

The mobile iOS Client allows restricting video playback fps and resolution (both in live video mode and when reviewing recorded video). These restrictions are recommended when your mobile device has a slow Internet connection.

To restrict video parameters, do the following:

1. Select max.fps when connecting to Internet via WiFi and 3G: **Maximum**: 9 fps, **Medium**: 6 fps, **Slow**: 3 fps.

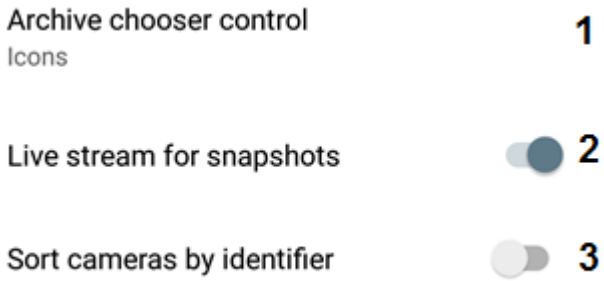
> **Note.**
> These settings are valid only when connection to the *Intellect* software package is established.

2. In the **Quality** group select the video resolution while viewing video from one camera (the **Resolution** setting) and while displaying video from several cameras (**Resolution in multiview** setting):
   a. **Auto** - when your mobile device has a slow Internet connection, the degradation of image quality algorithm is applied for the image resolution.
   b. **SQCIF** - display video with constant resolution 126 × 96 (for multiview only).
   c. **QCIF** - display video with constant resolution 176 × 144.
   d. **CIF** - display video with constant resolution 352 × 288 (for multiview only).
   e. **4CIF** - display video with constant resolution 704 × 576 (for multiview only).
   f. **Max** - display video with original resolution.

Configuring the Android mobile client interface

The Android mobile client interface is configured by setting the following parameters:

1. **Archive chooser control** (**1**): select how to switch between video surveillance modes (buttons or list, see Viewing previously recorded video in the Android mobile client)



2. **Live stream for shapshots** (**2**): when the parameter is enabled live streams are displayed in the quad, when the parameter is disabled – frames at some update rate.
3. **Sort cameras by identifier** (**3**): when the parameter is enabled cameras are sorted by their ID in quad, when the parameter is disabled – by their names.

Configuring crash reports

When the Android mobile client crashes a crash report is created. It is automatically sent to AxxonSoft for analysis.

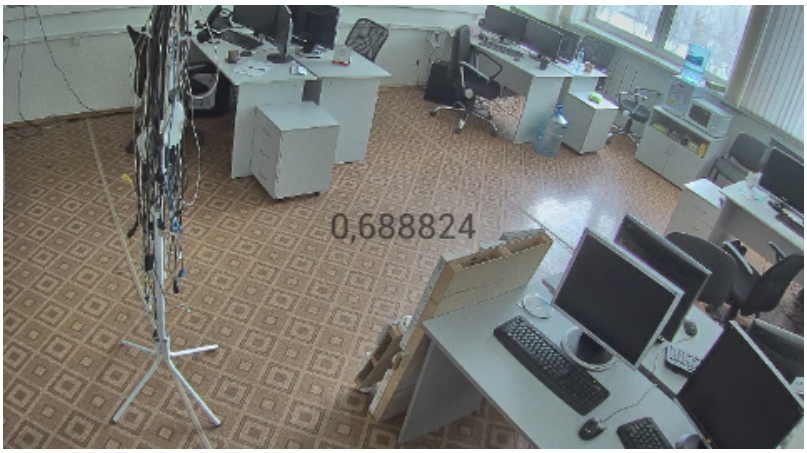
To stop crash reporting disable the **Crash reports** parameter.

Showing fps on the video

One can show fps on the video in the Android mobile client.

For this enable the **Frame rate** parameter.

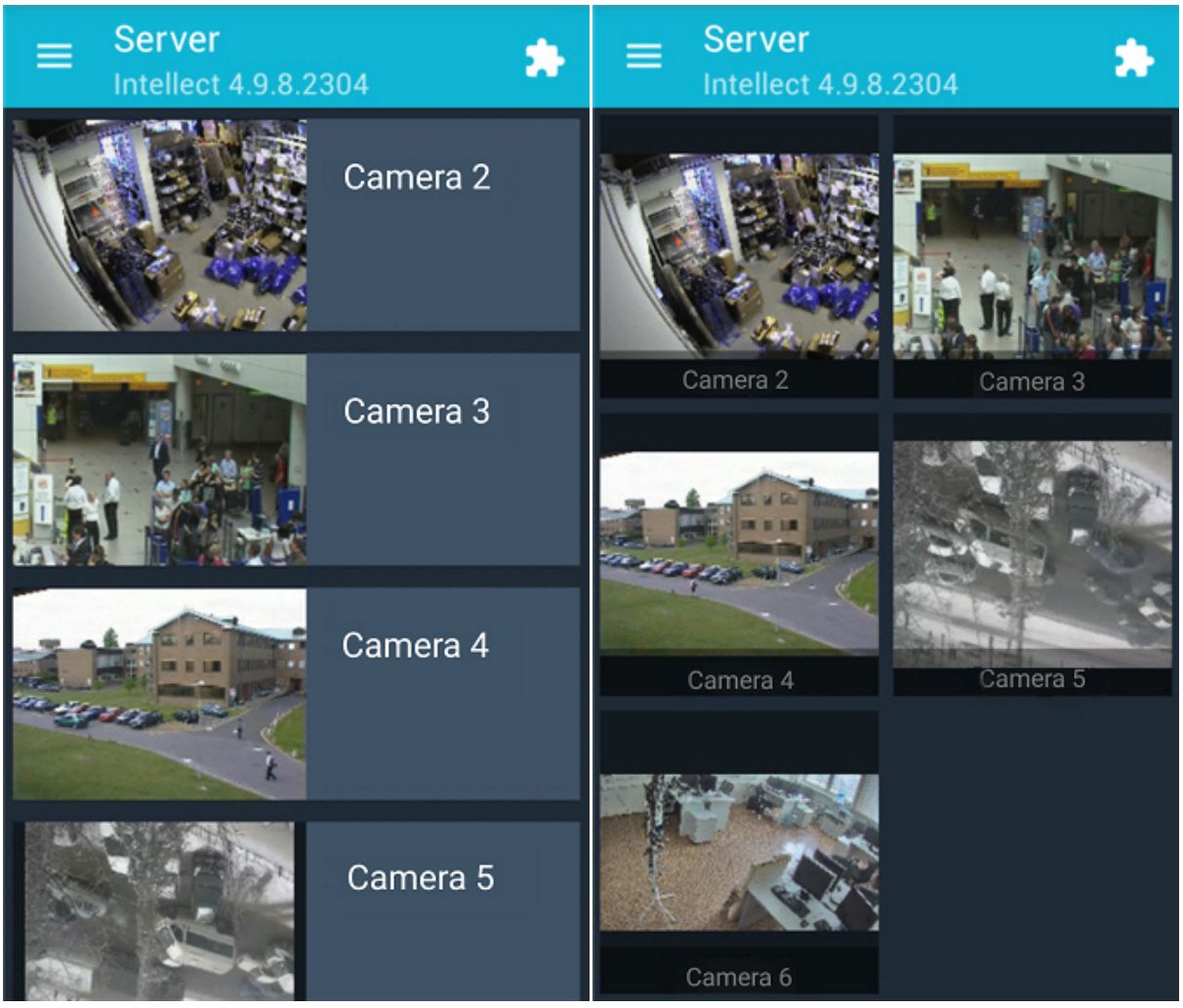
As a result fps is shown on the video.



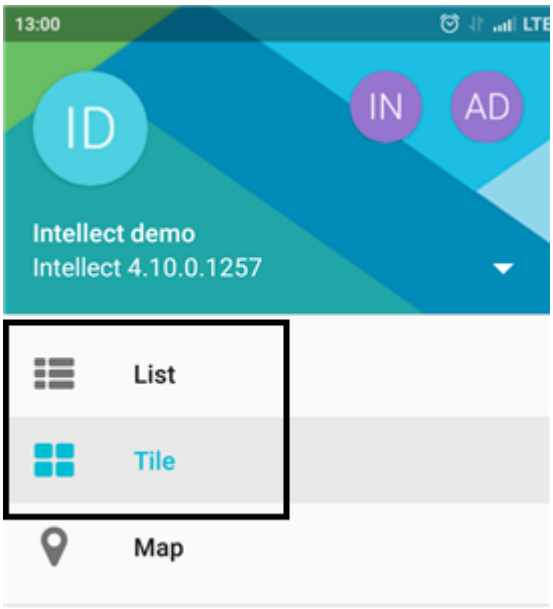
Viewing video cameras in the Android mobile client

Cameras can be shown as the list or tiles in the Android mobile client.

> **Note**
> After you connect to a Server, cameras are shown as a scrolling list.



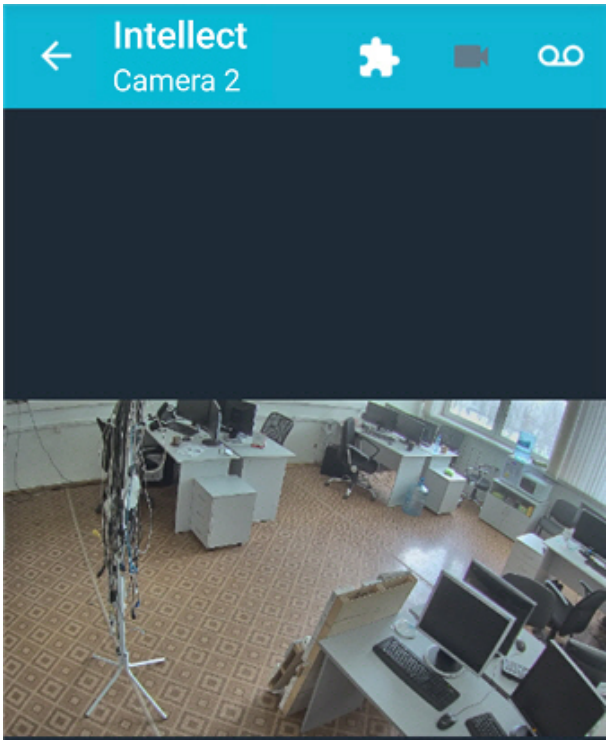
To change the camera display mode go to the menu by clicking the button and select the required item.



Viewing live video in the Android mobile client

To view live video, select the necessary camera.

This opens a viewing tile for the camera.



The upper-left corner shows the frames per second (fps) displayed on the screen of the mobile device.

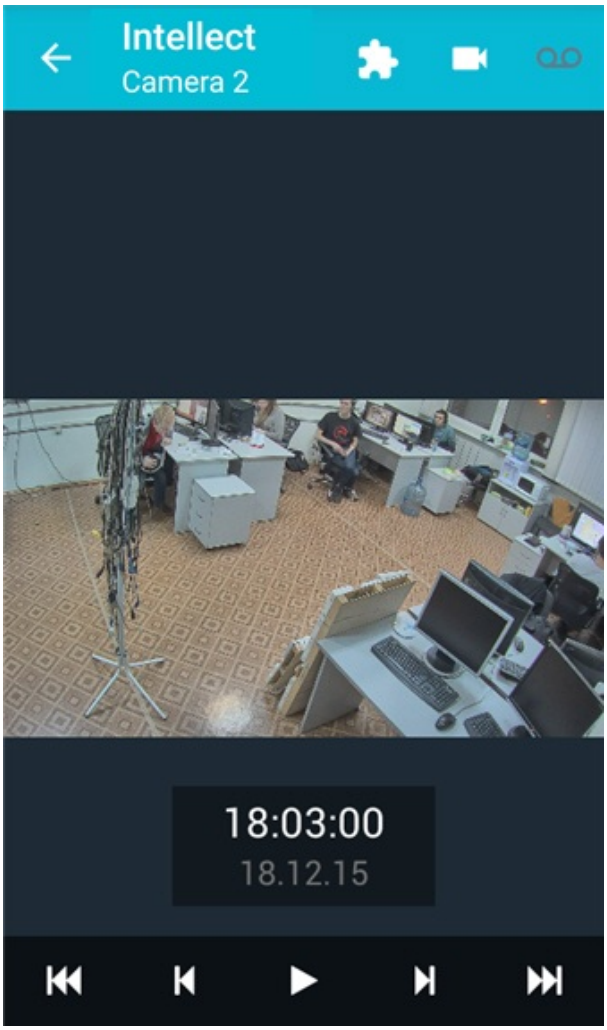
Note
Camera audio is not accessible in the mobile client.

To return to the list of cameras, tap the **Back** button of the mobile device or app ( ).

Viewing previously recorded video in the Android mobile client

To view video archive in the Android mobile client select a required camera in the list and go to the tab or select **A rchive** in the corresponding list (depending on the display settings, see Configuring the Android mobile client interface).

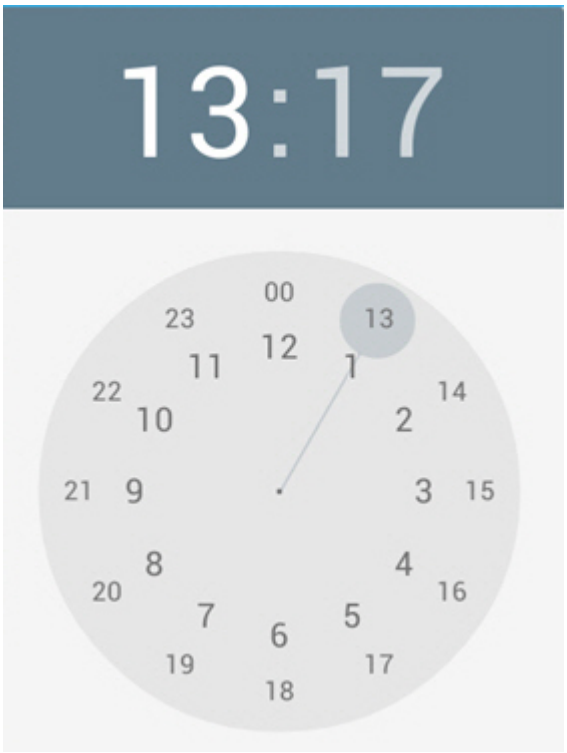
Archive view mode.



Video playback is controlled using these buttons:

- Play recording: ;
- Pause playback: ;
- Go 10 minutes back ;
- Go 10 minutes forward ;
- Go to the archive beginning - to the first recorded video ;
- Go to the archive ending - to the last recorded video .

To navigate the archive click the time and date form and select the required time.

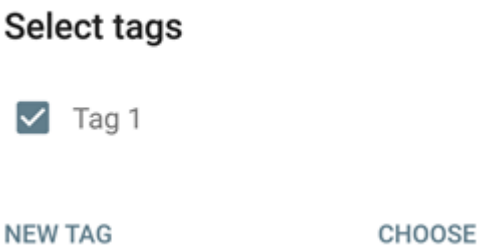


Adding tags to cameras in the Android mobile client

One or several tags can be added to each camera in the Android mobile client.

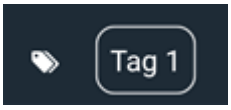
Add a tag to a camera as follows:

1. Click in the bottom-left corner of the video playback interface.
2. To add a new tag, click **New tag** and specify its description.



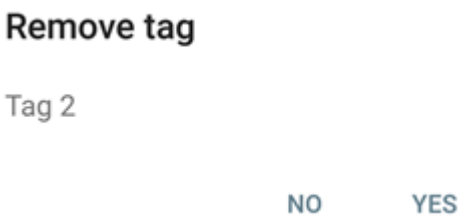
3. Mark required tags and click **Select**.

The selected tags are added to a camera.



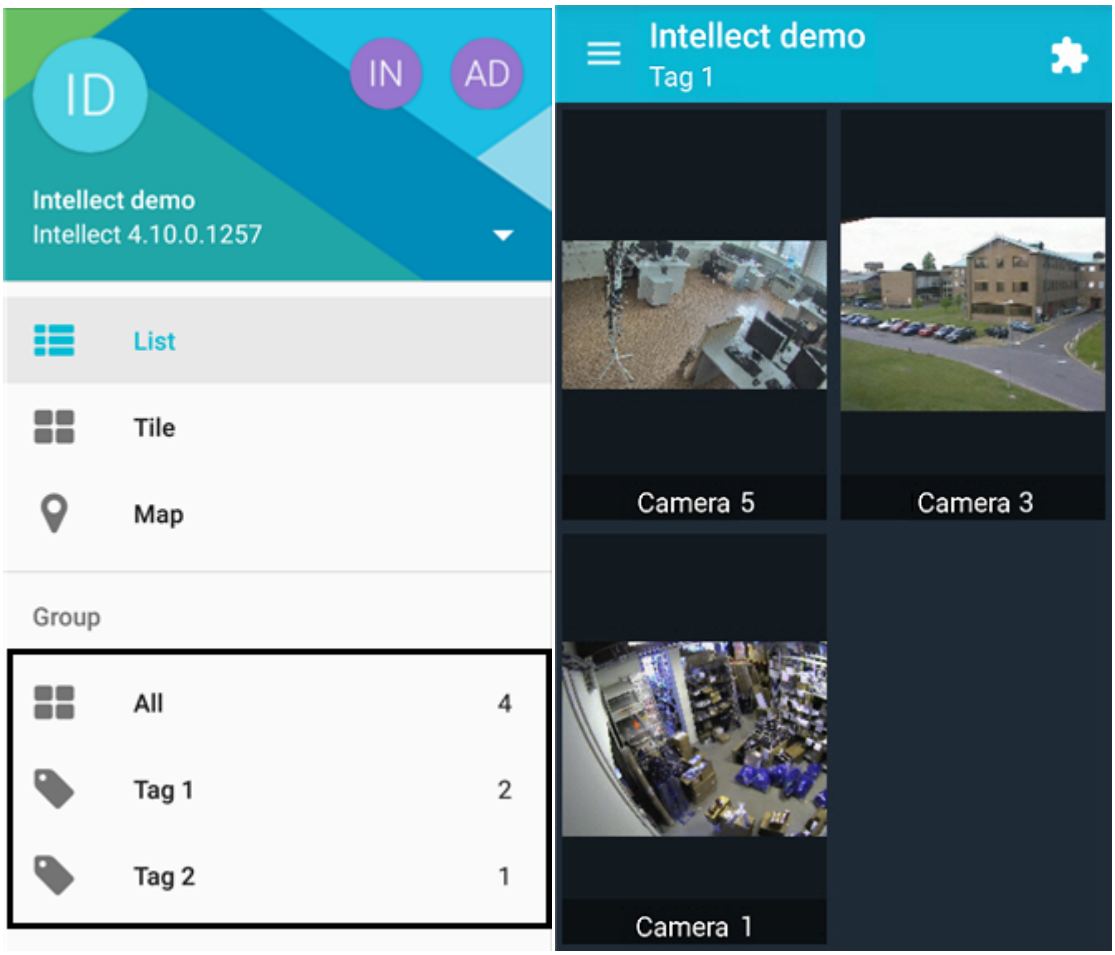
It's possible to remove tags the following way:

1. Tap the tag and hold it for a few seconds.



2. Deselect checkboxes of tags which are to be removed and click **Select**.

All cameras marked with one tag can be displayed on the screen. For this go to the menu and select the tag.



Digital zoom in the Android mobile client

Digital zoom can be performed both in live video and archive view modes.

To zoom, pinch the video with two fingers.

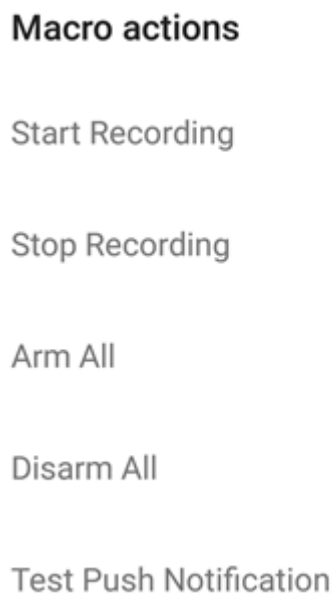
Video cannot be made smaller than its original size. 16x is the upper zoom limit.

To select the visible part of the frame when zoom is active, tap and drag the viewing tile.

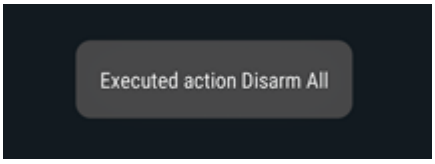
Running macros in the Android mobile client

To run a macro:

1. Call the macro menu by clicking the button.
2. Select the necessary macro in the list.



The message about successful macro running is displayed from below.

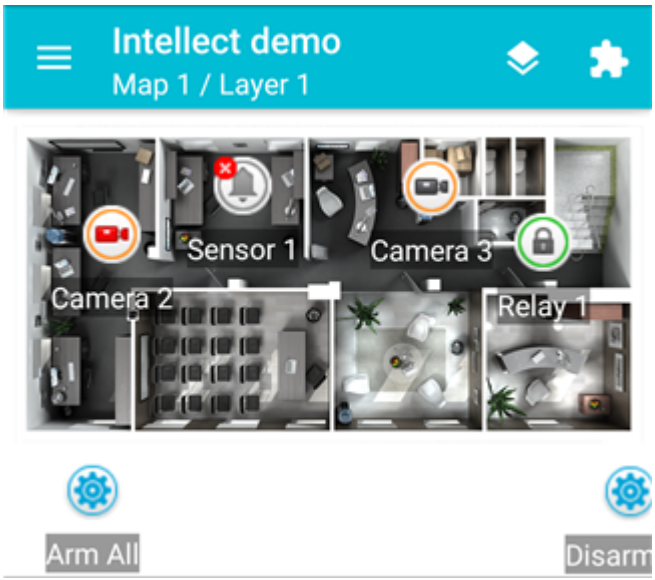


Moreover, the macro can be executed on the map (see Using macros).

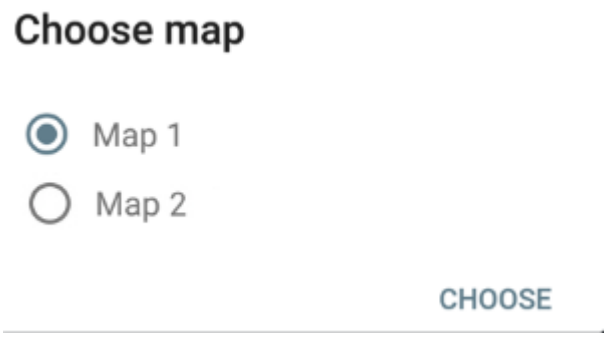
Using maps in the mobile Android Client

Maps can be viewed only when the client is connected to an Intellect server.

To view the map, call the main menu by clicking the button and select the **Map** item.



To switch the maps, click the button and select the required one.



If there are several layers on the map, then they are listed by right-left scrolling.

Icons for the following devices can be displayed on the map in the mobile Client: cameras, sensors, and relays. In addition, icons for macros can be displayed. Icons indicate the current status of devices and allow controlling them.

You can adjust the scale of the map in the Android Client. Simply pinch your fingers on the screen (to zoom out) or move them apart in a sweeping motion (to zoom in).

Using cameras

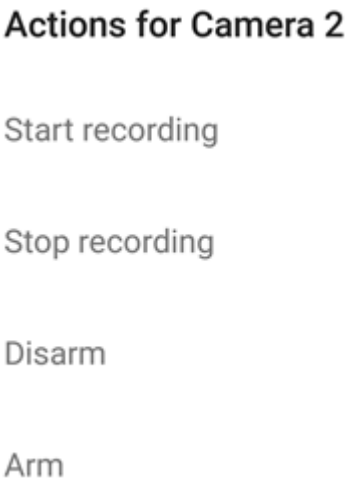
The icon of a camera on the map indicates the current status of the camera:

Icon	Status
	Camera alarm, recording is not active
	amera alarm, recording is active
	Camera armed, recording is not active
	Camera armed, recording is active
	Camera disarmed, recording is not active
	Camera disarmed, recording is active
	Camera disabled in the System

	Camera connection lost

Live video is displayed when clicking the camera icon.

To control a camera on the map, tap its icon – the context menu will appear:



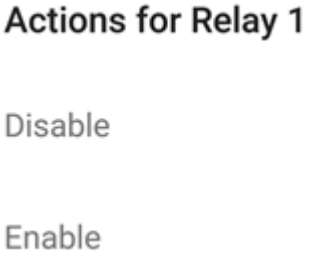
To perform an action select a command. A description of commands is given in the Intellect Operator's Guide.

Using relays

The icon of a relay on a map displays the current status of the relay.

Icon	Status
	Relay disabled in the System
	Relay connection lost
	Relay off
	Relay on

To control a relay from the map, tap its icon to open its context menu:



To perform an action select a command. A description of commands is given in the Intellect Operator's Guide.

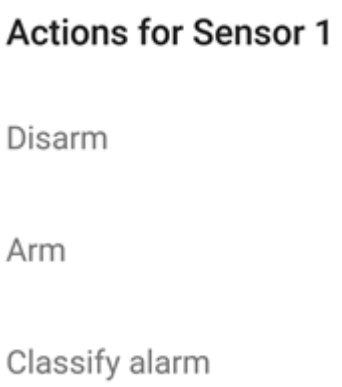
Using sensors

The icon of a sensor on a map displays the current status of the sensor.

Icon	Status
	Sensor armed + alarm event accepted
	Sensor armed + alarm

	Sensor armed
	Sensor disarmed + alarm
	Sensor disarmed
	Sensor disabled in the System
	Sensor connection lost

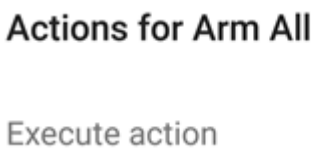
To control a sensor from the map, tap its icon to open its context menu:



To perform an action select a command. A description of commands is given in the Intellect Operator's Guide.

Using macros

To execute the macro on the map, click its icon and then - **Execute action**.



Note
Macros can be executed only when there is connection to *Intellect* Server.