



Android Mobile Client. User Guide

Версия 2.1.0

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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).

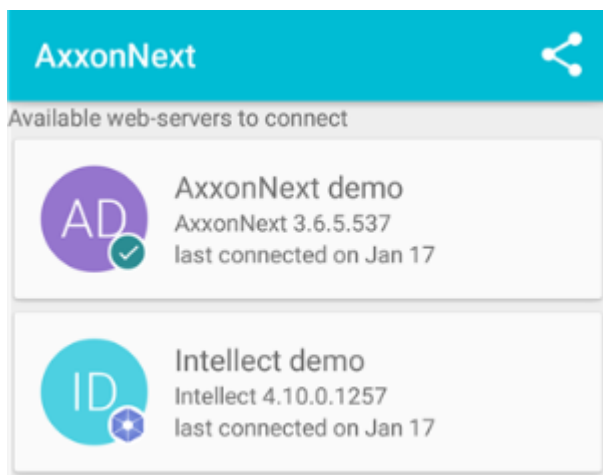
Client features are described in the table.

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	+	-
Control of PTZ cameras (including activation of presets)	+	+
View maps	+	-
View the list of events	+	+
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).

Add server

Name	
Intellect	1
URL	
46.29.74.163:8000/web2	2
Login	
user	3
Password	
....	4
TEST CONNECTION	OK
5	6

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

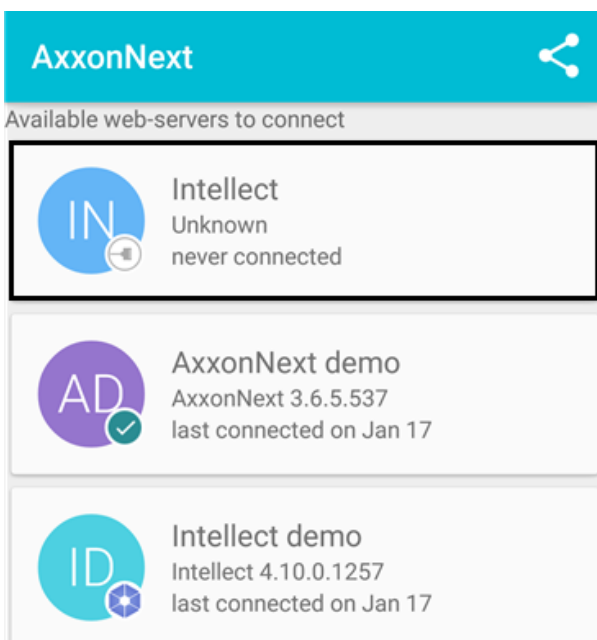
Note
Example URLs with standard Server settings for Axxon Next and Intellect:
Axxon Next: 192.168.0.10:8000/asip-api
Axxon Intellect: 192.168.0.10:8085/web2



- 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.

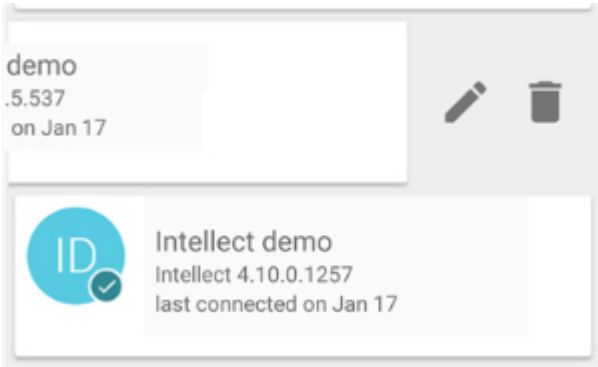
Note
To perform a basic check of the web server connection and operability, in a browser on your mobile device, go to the Server's URL address (see paragraph 2).

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


The server is added to the list.

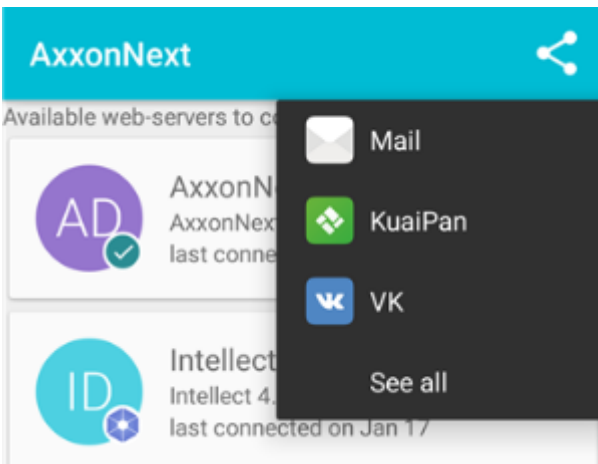



Swipe and then use the  button to remove the Server or click the  button to go to the Server settings.




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

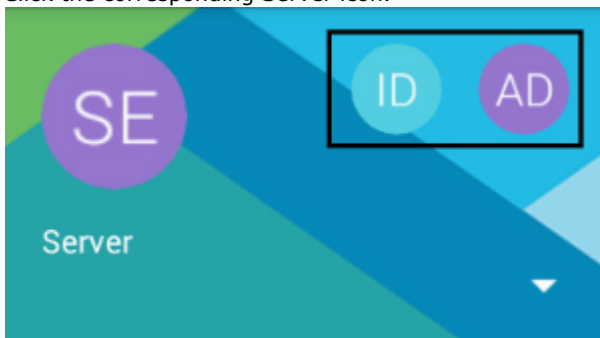
You can share the created server settings. For this click the  button and select a handy way.




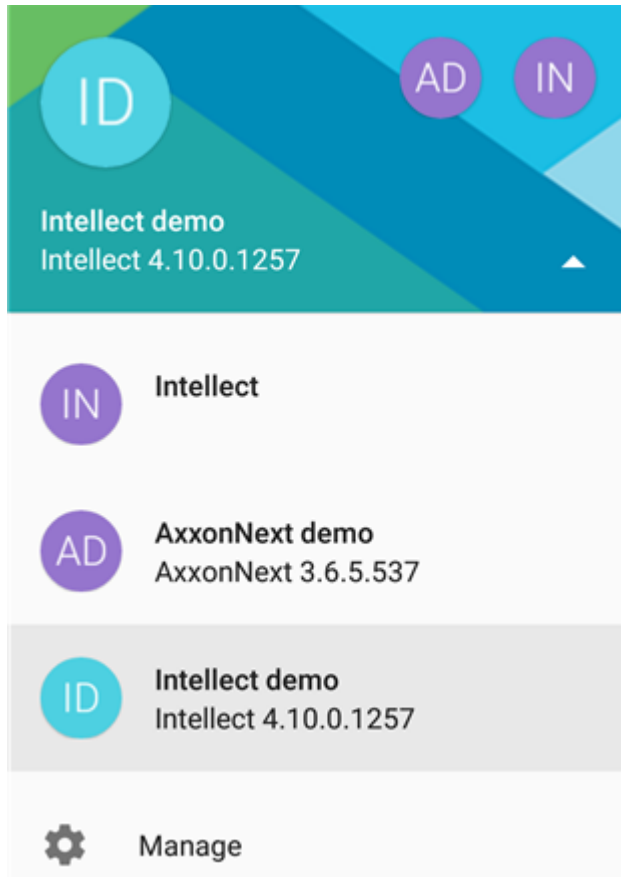
The server that is now connected is marked .

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.

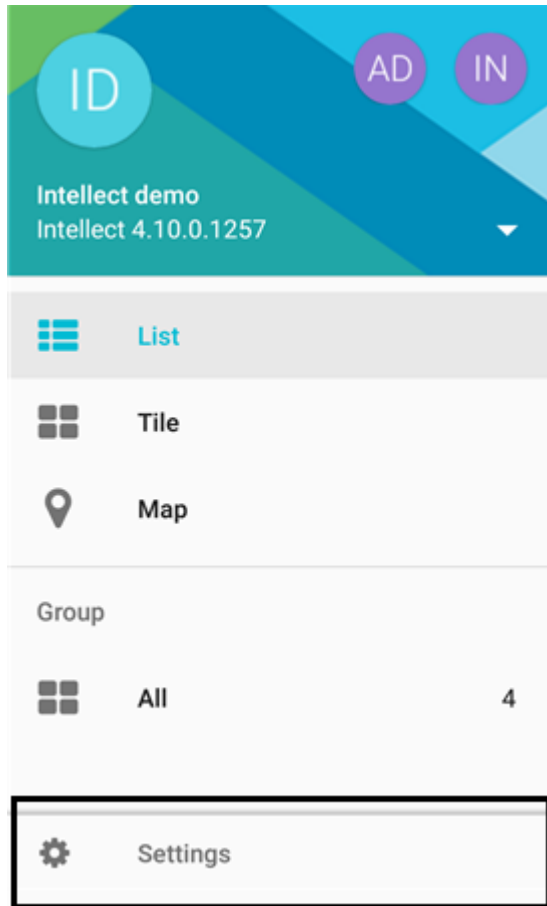


To restore to the Server settings, click **Manage**.

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.

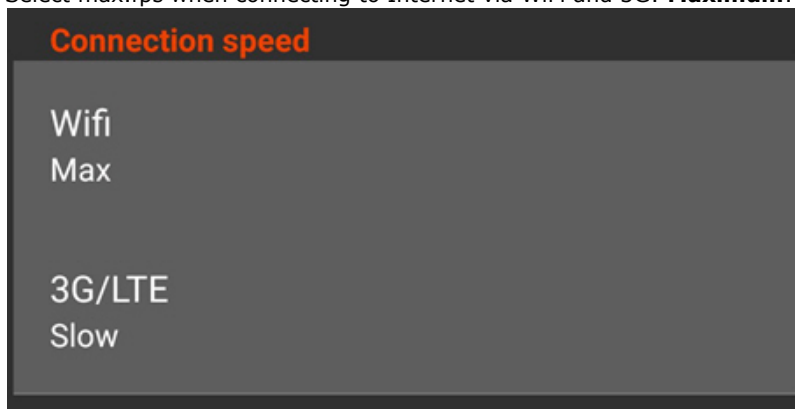


Restricting video playback fps and resolution in Android mobile client

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:

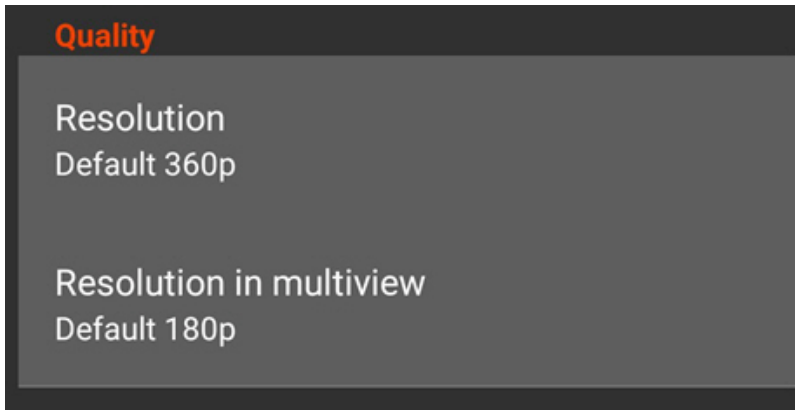
1. Select max.fps when connecting to Internet via WiFi and 3G: **Maximum:** 9 fps, **Medium:** 6 fps, **Slow:** 3 fps.



Note.

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

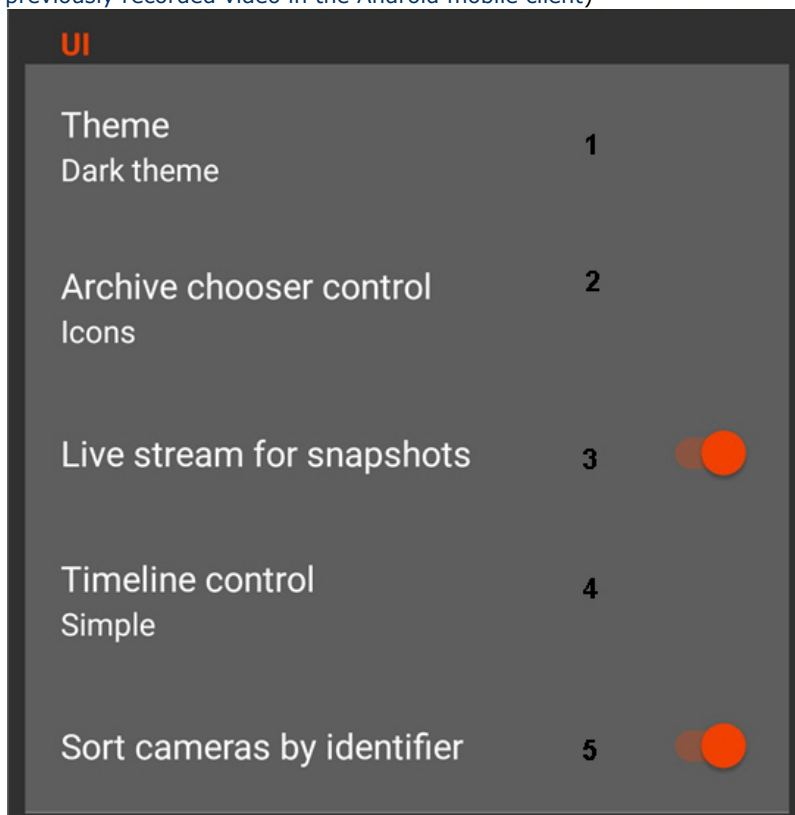
2. In the **Quality** group select the video resolution while viewing video from one camera (the **Resolution** setting) and while displaying video from several cameras (**Resolution in multiview** setting):
 - a. **Auto** - when your mobile device has a slow Internet connection, the degradation of image 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. **Theme (1)**: select the color skin of the Client interface.
2. **Archive chooser control (2)**: select how to switch between video surveillance modes (buttons or list, see [Viewing previously recorded video in the Android mobile client](#))



3. **Live stream for snapshots (3)**: when the parameter is enabled live streams are displayed in the quad, when the parameter is disabled – frames at some update rate.
4. **Timeline control (4)**: select the view of the time scale.



Note.

Only one view of the time scale is available in the current version of the Client.

5. **Sort cameras by identifier (5)**: when the parameter is enabled cameras are sorted by their ID in quad, when the parameter is disabled – by their names.

Configuring the moving speed of ptz

The moving speed of ptz is specified as a percentage of camera maximum speed.

PTZ

Camera moving speed
25%

Showing fps on the video

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

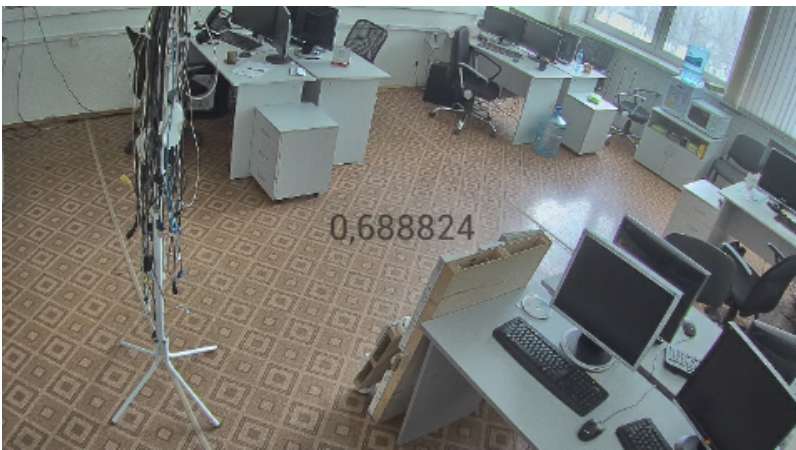
For this enable the **Show fps on video** parameter.

Debug

Show fps on video



As a result fps is shown on the video.



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.

Crash reports



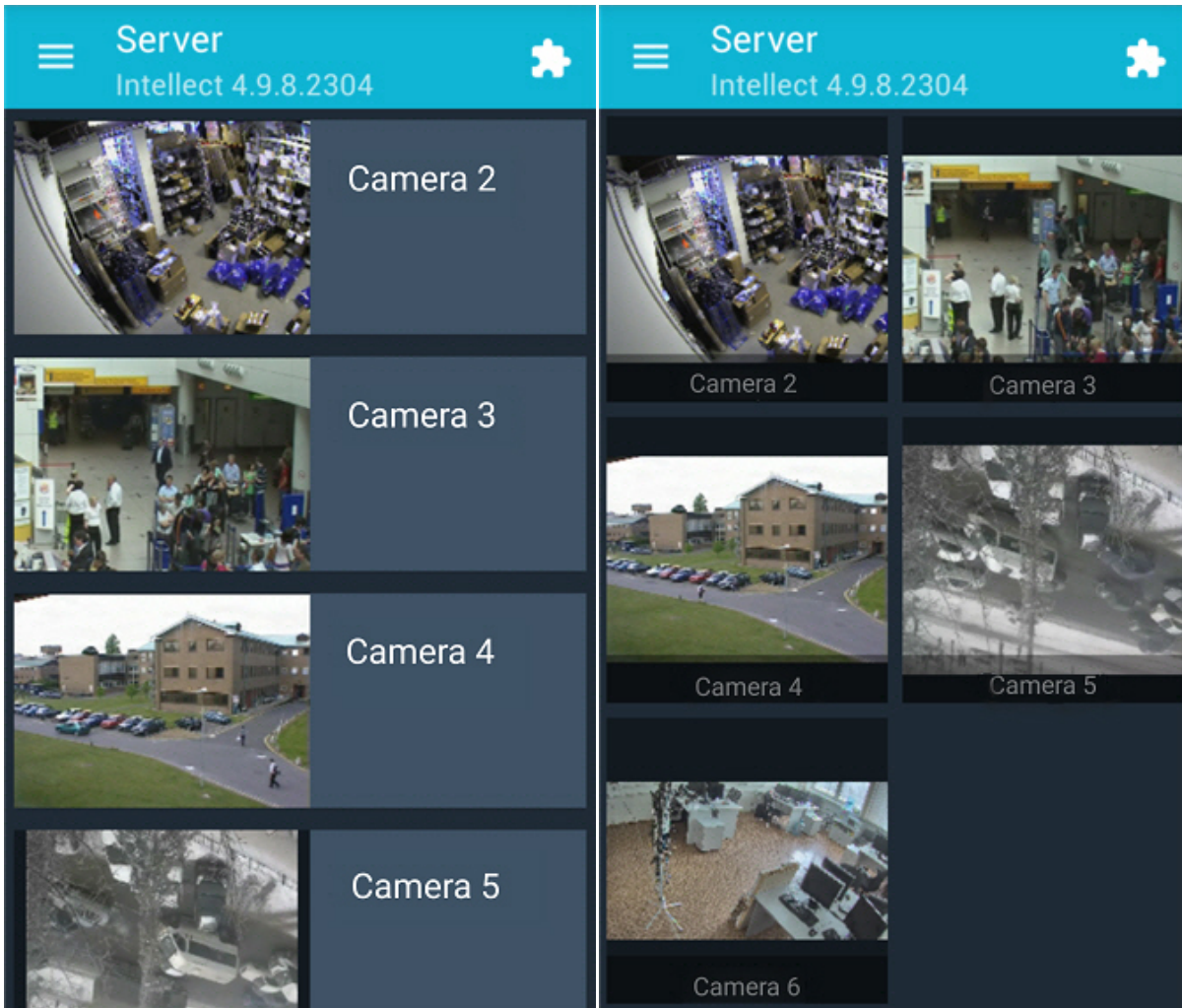
Viewing video cameras in the Android mobile client


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.



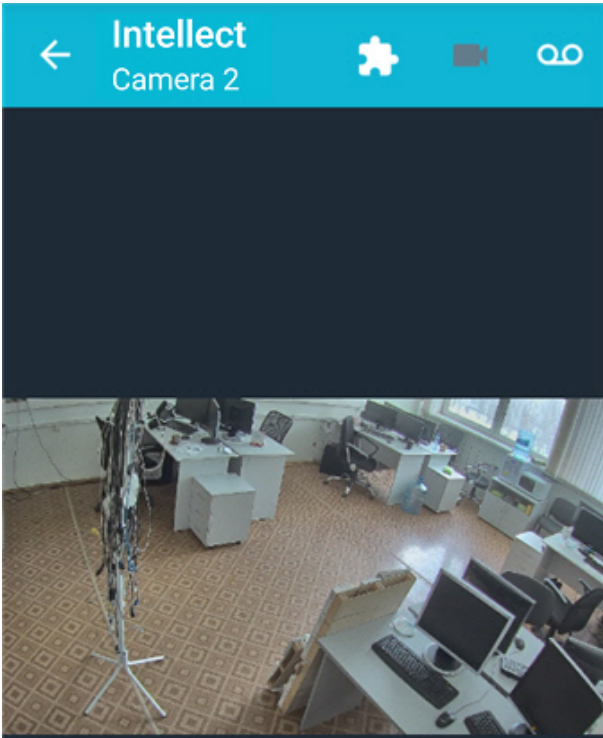
To change the camera display mode go to the menu by clicking the  button and select the required item.



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.

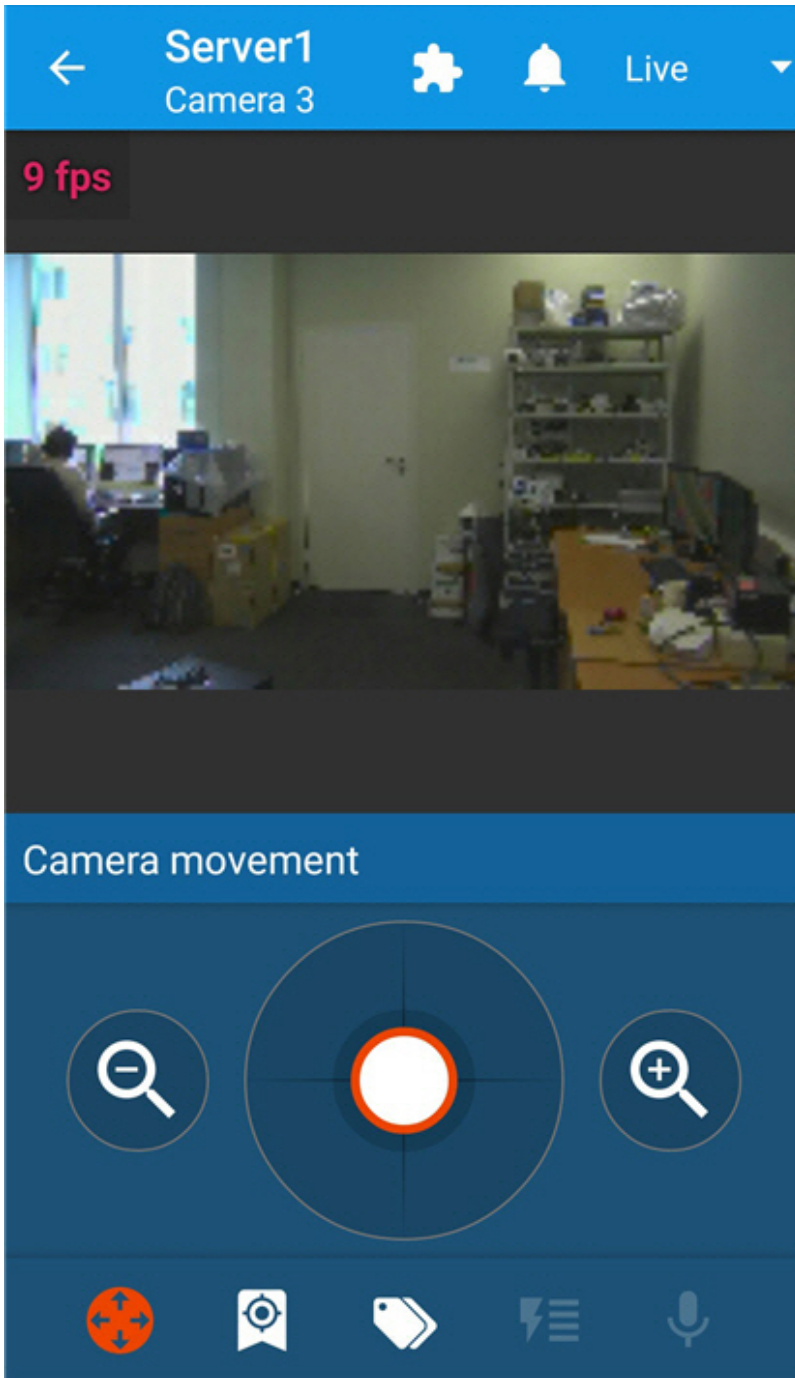
Note
Camera audio is not accessible in the mobile client.

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



Controlling PTZ cameras from the Android Mobile Client


You can control PTZ cameras. To get started, open a viewing tile for a camera and click the  button on the bottom control panel.

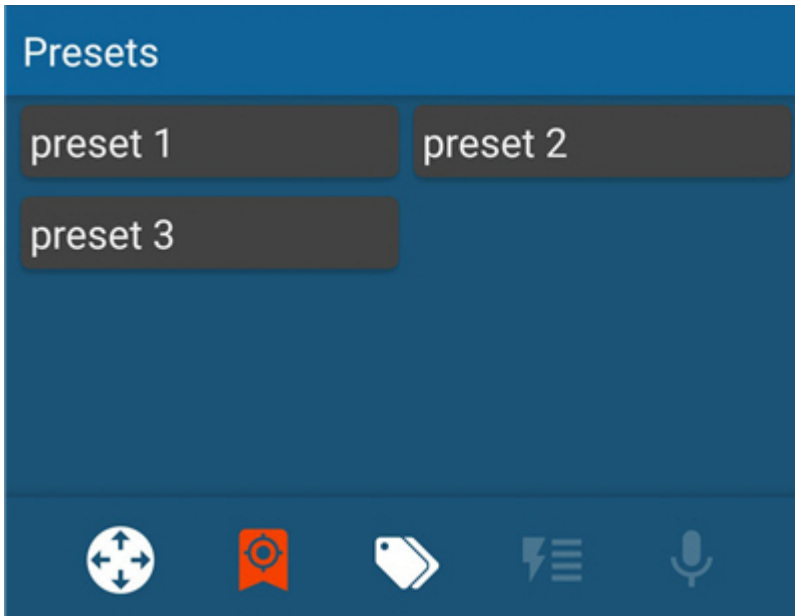
The angle of viewing is controlled by virtual joystick.



Note. Rotation on optional angle is not available while connecting to the *Intelect* Server. Joystick can move strictly on vertical or horizontal direction.

To control optical zoom, use the  and  buttons.


To switch to the preset created previously, click the  button on the bottom control panel and select the required preset in the list.



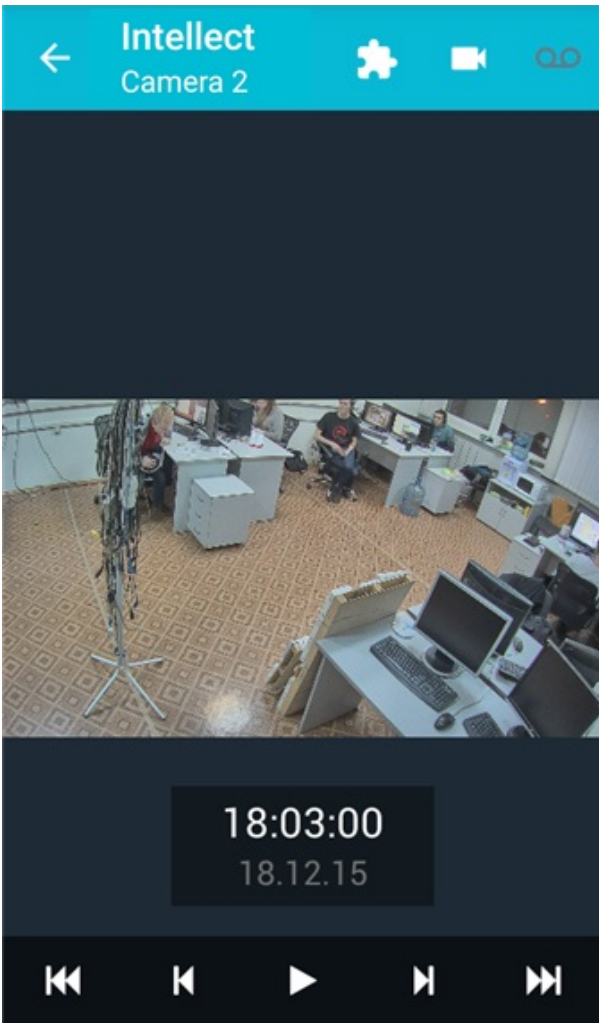
Also it is possible to focus some area of the video image frame.

To do this hold the finger on the interested area during 1 second and then move the finger to change the size of appeared blue frame. After that the lens orientation will be changed in such way that selected area will display at full window (**Areazo om**).







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 **Archive** in the corresponding list (depending on the display settings, see [Configuring the Android mobile client interface](#)).

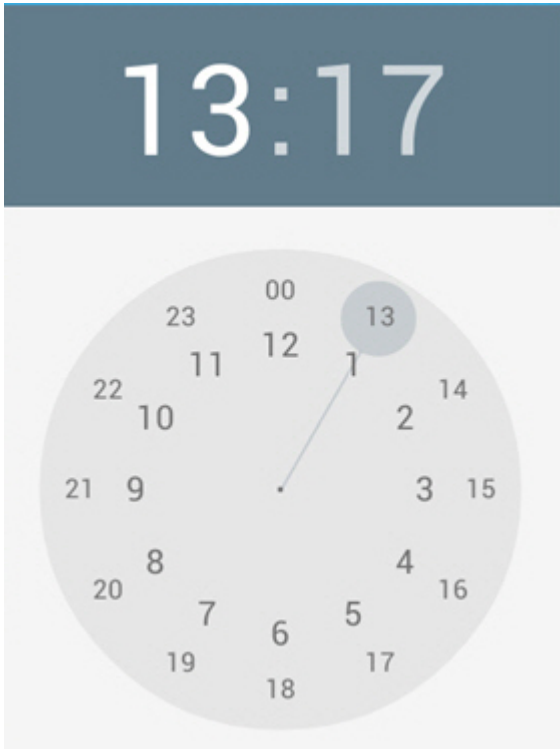
Archive view mode.



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.



Digital zoom in the Android mobile client


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



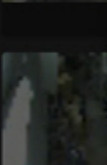
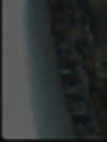
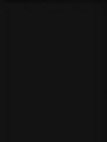
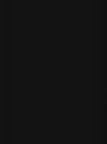

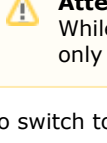
To zoom, pinch the video with two fingers.

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.

Viewing a list of system events in the Android mobile client

To view the list of system events click the  icon in the top right corner.




Events	
2016-10-26	
	14:49:15 Come in zone ended 2.Camera
	14:48:52 Come in zone began 2.Camera
	14:48:05 Come in zone ended 2.Camera
	14:47:54 Come in zone began 2.Camera
	14:44:54 Come in zone ended 2.Camera
	14:44:30 Come in zone began 2.Camera
	14:38:09 Come in zone ended 2.Camera
	14:37:47 Come in zone began 2.Camera

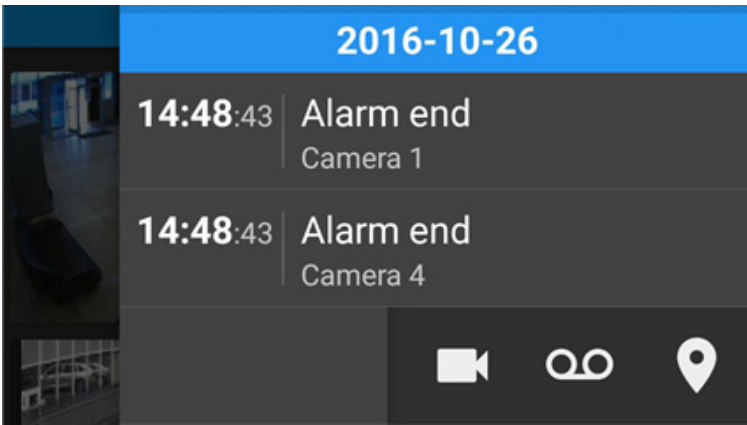


Attention!

While switching to the list of events from the mode of video image viewing for the specified camera, than events only for this camera will be displayed in the list.


To switch to live video, archive or map from the received event, swipe your finger over the event from right to left and

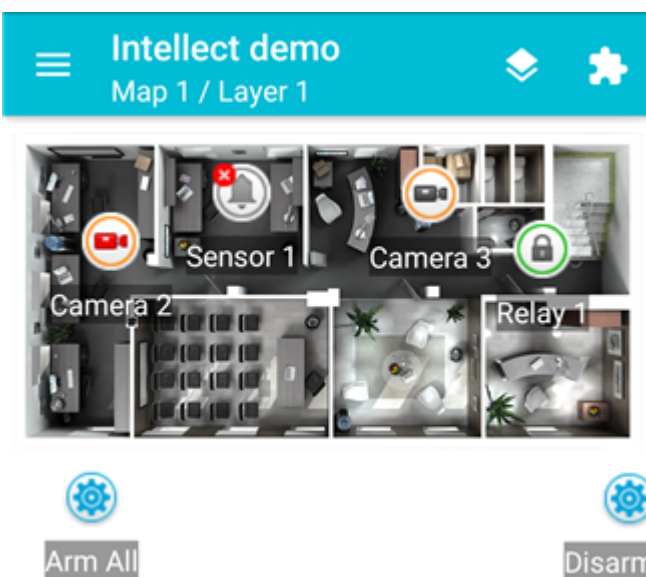
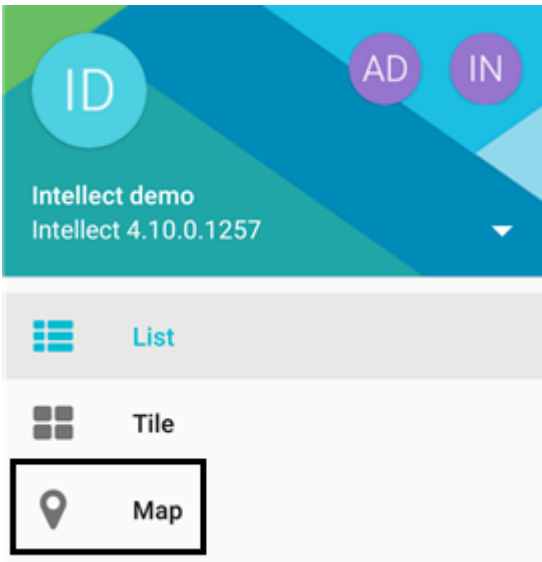
click the corresponding icon ( - live video,  - an archive,  - a map).



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.

Choose map

Map 1

Map 2

CHOOSE









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
	Camera 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:

Actions for Camera 2

Start recording

Stop recording





Disarm

Arm

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:

Actions for Relay 1








Disable

Enable

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:

Actions for Sensor 1

Disarm

Arm

Classify alarm

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**.

Actions for Arm All


Execute action

**Note**

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

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.

Macro actions

Start Recording

Stop Recording

Arm All

Disarm All

Test Push Notification

The message about successful macro running is displayed from below.

Executed action Disarm All


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

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.

Select tags

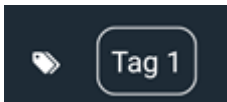
Tag 1

NEW TAG

CHOOSE

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.

Remove tag

Tag 2

NO YES




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.


ID

IN AD

Intellect demo
Intellect 4.10.0.1257


-  List
-  Tile
-  Map

Group


	All	4
	Tag 1	2
	Tag 2	1

Intellect demo
Tag 1






Camera 5



Camera 3



Camera 1