ADTVision (Android) Mobile Client

Software User Manual

Thank you for purchasing our product. This manual applies to ADTVision (Android) mobile client software, please read it carefully for the better use of this software.
The contents in this manual are subject to change without notice.

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Chapter 1 Introduction

1.1 Overview

ADTVision (Android) V1.6 mobile client software, which is based on Android OS (Version 1.6 or higher), can be used to remotely monitor the live video from embedded DVR, network camera, network speed dome and DVS via wireless network, and realize PTZ control as well.

With this software installed in your mobile device, user are able to log on to the front-end device via WIFI, 2G or 3G; besides, if there is no public IP available, it's accessible by using a dynamic name, or by forwarding ports to the public IP of router.

Notes:

1. WIFI, 2G or 3G access service must be supported by the mobile phone.
2. Network traffic charges may be produced during the use of this client software. Please refer to the local ISP.

1.2 System Requirements

The mobile phone should be based on Android OS (version 1.6 or higher).

Note: The mobile phone with resolution of 480*320, 480*800, 480*854 or 960*540 is supported.

1.3 Performance Description

Mobile Client	**Encoding Parameter**	Main stream or sub-stream
	Video Compression	H.264 or MPEG4
	Frame Type	BBP or single P
	Frame Rate	Depending on the performance of mobile phone and the frame rate settings of camera
	Resolution	Main stream: 1080P/720P/4CIF/DCIF/2CIF/CIF/QCIF (depending on camera connected) Sub-stream: CIF/QCIF (depending on camera connected)
	Stream Type	Video & Audio, Video
	Bit Rate	32~2048Kbps (depending on the network environment)

1.4 Conventions

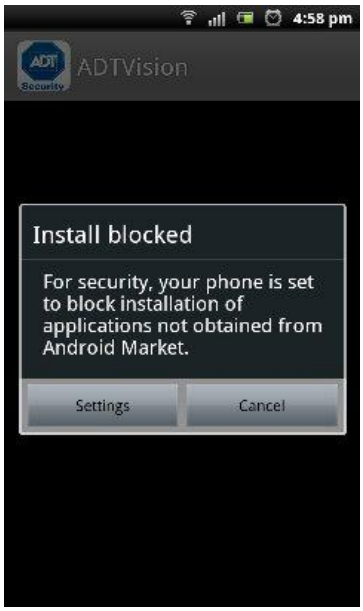
In order to simplify the description, we define the “ADTVision (V1.6) mobile client software” as “mobile client”, “DVR, DVS, IP camera, IP speed dome” as “device” and some figures shown in the following chapters are just for reference only.

Chapter 2 Installing & Uninstalling the Software

2.1 Installing the Software

Steps:

1. Copy the installation file of mobile client to the mobile phone.
2. Run the file and click **Settings** in the pop-up message box.



3. Check the **Unknown sources** checkbox and return to run the installation file again.

2.2 Uninstalling the Software

Enter the Application Management interface of your mobile phone **(Settings** > **Applications** > **Manage Applications)** and select ADTVision, and click **Uninstall** to uninstall the mobile client software.

Chapter 3 Running the Software

After having installed the software successfully, click icon to start the mobile client.

3.1 Logging in

You need to register a user account when you use this client application for the first time.

Steps:

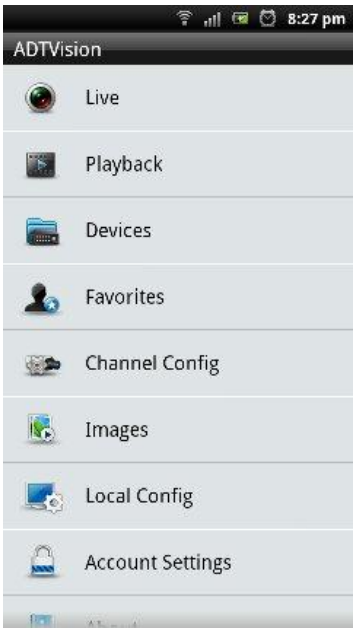
1. Enter the user name and password in the register interface.
2. Click **Register** to complete user registration.

3. On the login interface, enter the registered user name and password.
4. Click **Login** to access to the system.

If the **Auto Login** is set to , the current login user name and password can be saved for next login.

3.2 Entering Main Menu

Click **Login** to enter the main menu interface.



Main menu description:

Main Menu	Descriptions
Live Preview	Live view and PTZ control
Playback	Search and play back record files
Devices	Display device list, add/delete/modify new device, view device information, etc.

Favorites	Define specific channels to your favorites
Channel Config	Configure camera's stream type, resolution, frame rate, bit rate, etc.
Image	Management of the local captured pictures and local record files
Local Config	Configure the auto login, range of PTZ control
Account Settings	Modify password
About	View software's version information

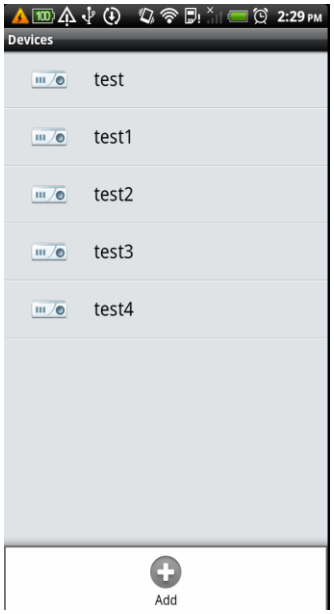
Chapter 4 Devices Management

4.1 Adding a Device

You need to add a device firstly that all operations such as live view, configuration and device management can be accessible.

Steps:

1. Click on the main menu to enter the device management interface.

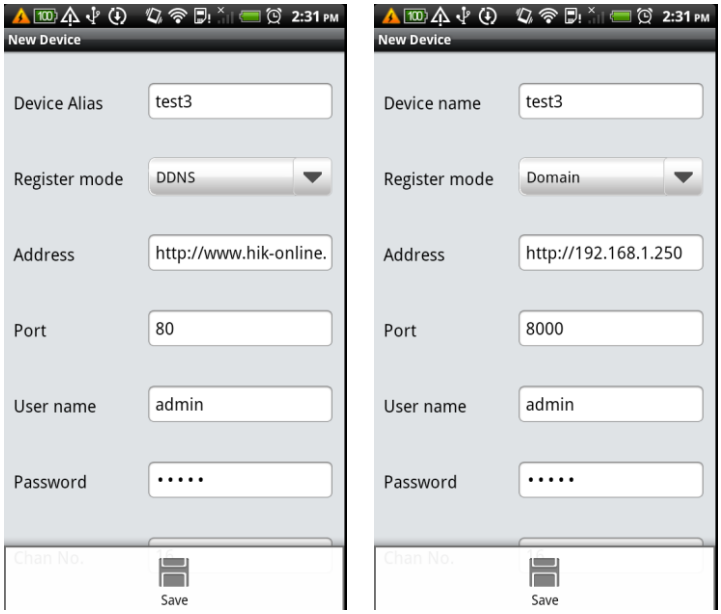


2. Click **Add** to enter the new device adding interface.

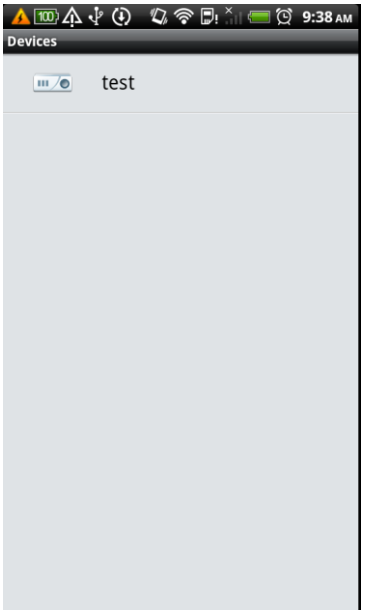
3. You can select the register mode of the device to IP, DDNS or Domain.

Notes:

1. The IP mode is used when you give a fixed IP to the device.
2. The Domain mode is used when there is no fixed IP address available, and you apply a domain name for the device.
3. The **Device Alias** for the DDNS register mode must be the same with that configured in the DDNS settings interface of the device to be added. EasyDDNS and IPServer are supported. By default, EasyDDNS is adopted. If the device connected adopts IPServer, you need to modify the Device Alias (the name of the DVR), DNS (IP of the PC that runs IPServer) and port (default: 7071) manually.



4. Configure the following settings.
   Device name: You can define it by yourself which is used for the IP/Domain register mode.
   Device Alias: The domain name of the device which is used for the DDNS register mode.
   Address: For the IP register mode, it is IP of the device. For the Domain register mode, it is the domain name of the device.
   DNS: For the DDNS register mode, it is IP of the server.
   Port: By default, the port 8000 is used for the IP/Domain register mode, and the port 80 is used for the DDNS register mode.
   User name: The user name of the device.
   Password: The password of the device.
   Channel number: The channel number of the device.
5. Press the **Menu** button on the phone and then click **Save** to finish adding device. The successfully added new device will be displayed in the devices list.

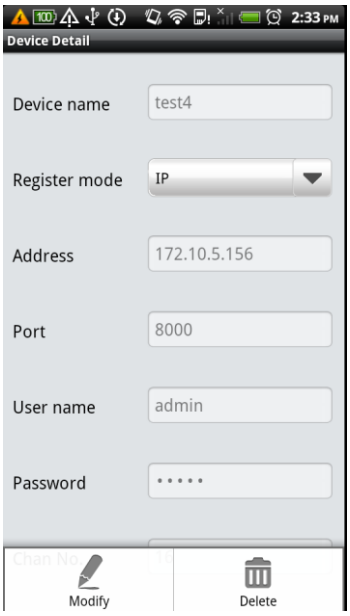


Note: Up to 100 devices can be added.

4.2 Modifying a Device

Steps:

1. In the device list, you can select a device and view its parameters configured.

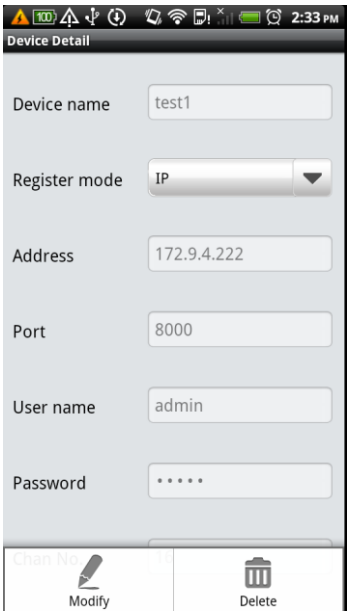


2. Click **Modify** to enter the Modify Device interface.

3. Modify the parameters of the device if required.
4. Press the **Menu** button on the phone and then click **Save** to finish the modification.

4.3 Deleting a Device

In the device list, select a device and click **Delete** to delete the selected device.

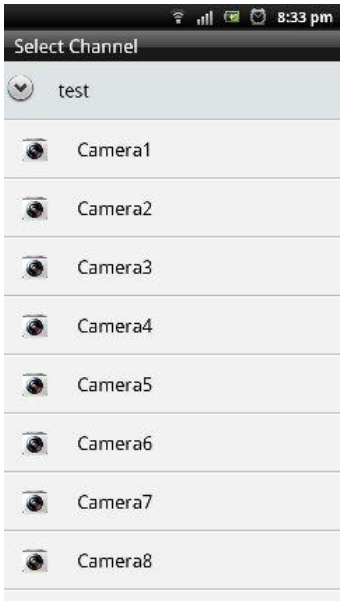


Chapter 5 Camera Configuration

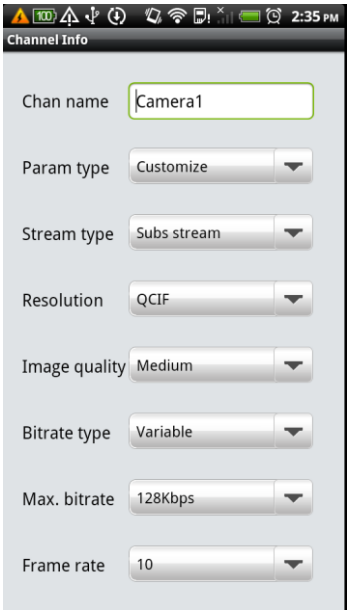
After successful login to the device, you can configure the live view parameters for each camera according to your network environment.

Steps:

1. Click icon in the main menu to enter the Select Channel interface where all of the added devices are list.
2. Click a device to get the list of cameras connected to it.



3. Select a camera to enter its configuration interface.



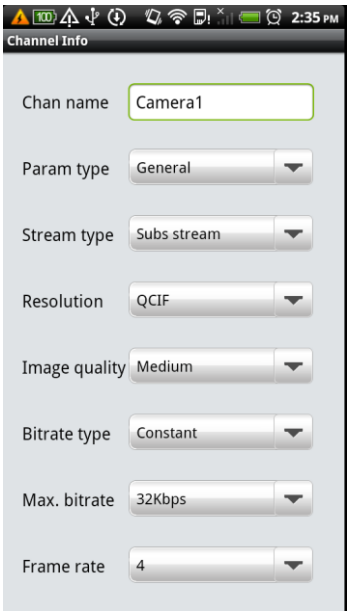
4. You can configure stream type, resolution, bit rate, frame rate, etc.
   The **Param type** can be set to Customize or General. If the Customize option is selected, all parameters can be configured manually, and while the **General** option is selected, the default parameters are used for the channel configuration.

Camera parameters description:

Parameters	Description
Chan name	Define a name for the camera
Param type	Select 'Customize' or 'General'
Stream type	Select main stream or sub-stream for live view
Resolution	QCIF/CIF/2CIF/DCIF/4CIF (depending on the camera connected)
Image quality	6 levels of image quality are selectable
Bitrate type	Select variable or constant bit rate
Max. bitrate	The maximum bit rate of each camera, configurable according to actual network environment
Frame rate	Frame rate of the camera

When the parameter type is selected to 'General', all parameters are not configurable, and the following default settings are used:

Parameters	Descriptions
Stream type	Sub-stream
Video type	Video
Resolution	QCIF
Image quality	Medium
Bitrate type	Constant
Max. bitrate	32Kbps
Frame rate	4fps



5. Press the **Menu** button on the phone and then click **Save** to save the settings. Press the **return** button on the phone to back to the Select Channel interface.

Chapter 6 Live View

After the proper parameters are configured, you can view live video from cameras, and control PTZ movement as well.

6.1 Live View

Click in the main menu to enter the live view interface and the screen will be displayed in 4-division mode by default.

Description of Live View Buttons:

Buttons	Descriptions	Buttons	Descriptions
	Add camera for live view		Switch camera for live view
	Stop live view		Picture capture
	Manual record		Bookmarks
	Audio on/off		Voice talk
	PTZ control		

Notes: slide the toolbar right to get PTZ control

Starting Live View

Steps:

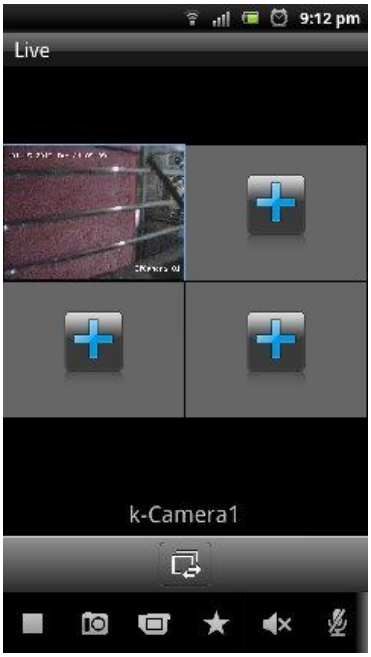
1. Select the window on which you want to play live video.
2. Click or to enter Select Camera interface.
3. Select a device and click it to unfold the cameras list.

4. Click a camera for live view.

You can select main stream or sub-stream for viewing the live video. By default, the sub-stream is adopted.

Note: The sub-stream must be supported by the connected device.

5. If you have configured bookmark or favorites, you can view the channel in the bookmark or favorite. Refer to **Adding Bookmark** and **Chapter 8 Favorites** for detailed information.
6. Return to the live view interface to view live video from the selected camera.



Adding a Bookmark

In live view mode, click button to save the current live view information in bookmarks.

Edit the bookmark name in the pop-up dialog box and then click **Save** to add the bookmark for the current live view information.

Capturing a Picture

In live view mode, select the playing window and click the button to capture picture.

Note: The captured pictures are saved in the *picture* folder of your phone by default. You can access the directory to view or delete the pictures.

6.2 PTZ Control

In live view mode, click to enter PTZ control interface.

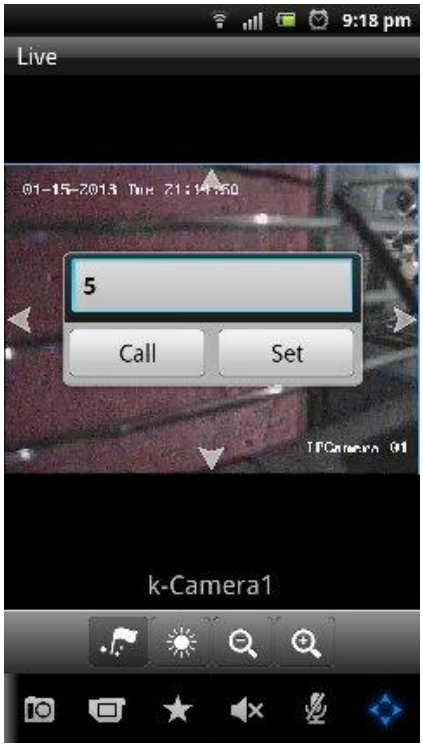
Slide the direction arrows on the live view to realize the pan left/right and tilt up/down movements.

You can use the icon to set and call the preset, or click to adjust the brightness.

Setting a Preset

Steps:

1. In PTZ control mode, use the direction arrows to move the camera to the desired scene.
2. Click to edit the preset number.



3. Click **Set** to finish the preset settings.

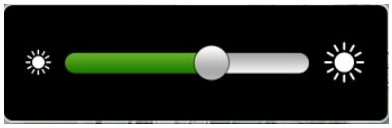
Calling a Preset

For the programmed preset, you can enter the preset number in the text box and click **Call** to call it.

Adjusting Brightness

Click to enter the brightness adjustment interface.

Move the sliding bar to adjust the adjustment according to different environmental requirements.



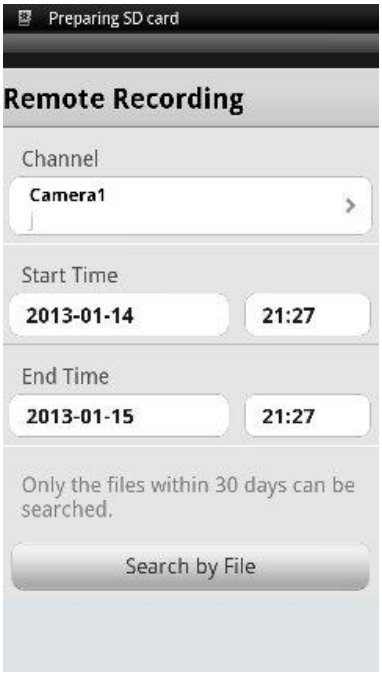
After completion of PTZ control, click to exit the PTZ control interface and return to the live view window.

Chapter 7 Playback

You can search the recorded video files from the remote storage device for playback.

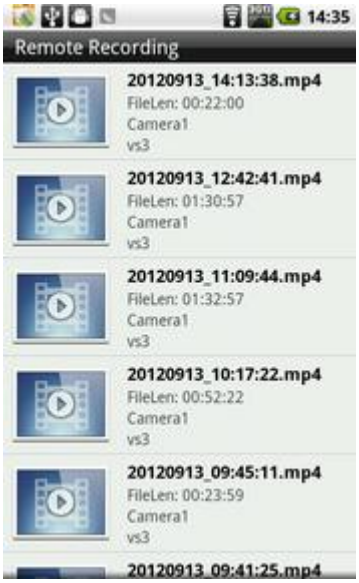
Steps:

1. Click in the main menu to enter the playback interface.
2. Click to select the channel for playback.



3. Select the start time and end time.
4. Click

to search the video files.
5. The search results will be dispalyed in the list. Select a file and click to start playing.



During the playback, you can click to capture pictures. Click to open/close the audio.

Note: The captured pictures are saved in the *photo* folder of your phone by default. You can access the directory to view or delete the pictures.

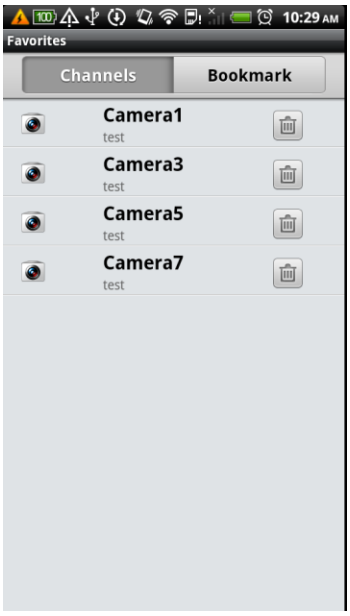
Chapter 8 Favorites

The **Favorites** function can be used for realizing self-defined management of cameras and enabling the live view much easier and convenient.

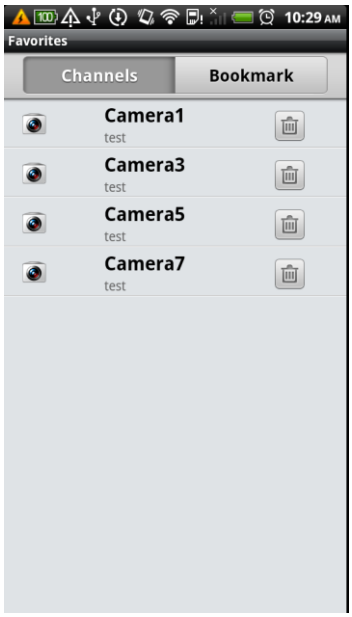
Adding a Camera to Favorites

Steps:

1. Click in the main menu interface to enter the Favorites interface.
2. Press the **Menu** button of the phone and click **Add** to add cameras as the Favorites.

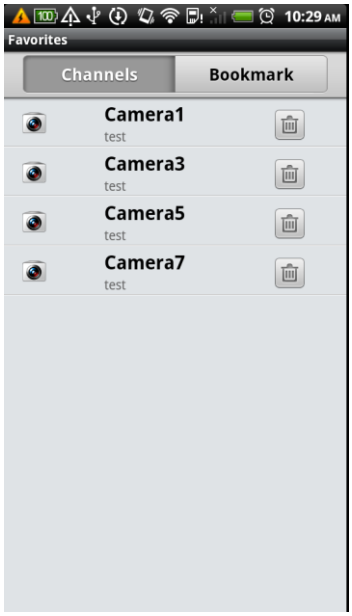


3. In the Select Channel interface, select the camera from the list under each device. Press **Return** button of your phone to return to the Favorites interface. The added cameras are displayed in the list.



Deleting a Camera from Favorites

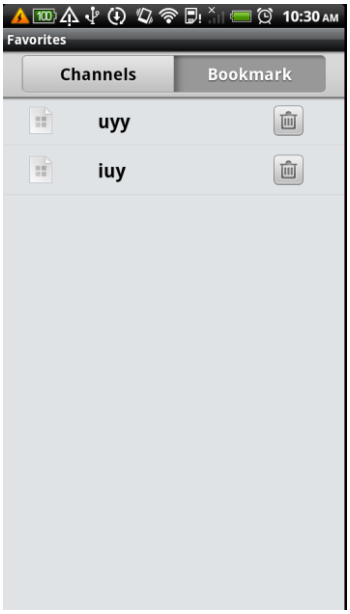
Click to delete the corresponding channel from the favorite list.



Bookmarks

Click to view and manage the list of the added bookmarks.

Click to delete the bookmark.


10:30 AM
Favorites
Channels
Bookmark
uyy
iuy

Chapter 9 Files Saving Configuration

You can set the picture and record files saving path in the software.

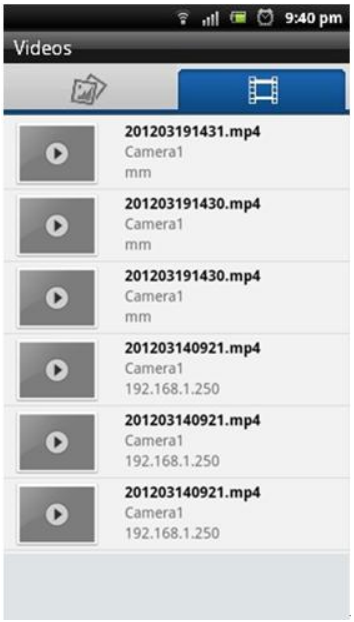
In the main menu, click to enter the picture management interface and the list of pictures captured is shown.

Note: If there is no SD card installed, there is no picture can be stored.

Choose the picture or record file you want to see. The picture can be zoomed in and out; and you can also delete the picture or record file.

To delete the picture, click the picture and long press the picture to delete the picture.

Click the record management tab menu; you can see the record files stored in the phone.



You can click the record file to play it.

After the configuration, click Return button to back to the main menu.

Chapter 10 Local Configuration

Through the Local Configuration, you can configure the auto login on/off, and the step of speed when controlling the PTZ camera.

Local Configuration

Steps:

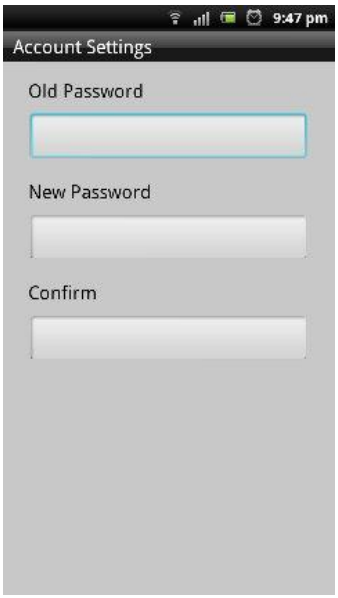
1. Click in the main menu to enter the local configuration interface:

2. Drag the sliding bar of **PTZ step** to adjust the pan/tilt movement speed. Seven steps are selectable, and the higher level indicates higher speed of pan/tilt movement.
3. You can set the Auto Login mode to **Yes** to enable auto login when running the client software next time.
4. Click **Confirm** to save the current settings.

Chapter 11 Others

11.1 Account

Click on the Main Menu to enter the Password Modification interface. Input your old password and new password twice in the appropriate fields. Click Menu then Save.



11.2 About

Click in the main menu to view the information of our company.

Chapter 12 Troubleshooting

1. *What kinds of devices are compatible with ADTVision (Android) mobile client software?*

The devices which adopt H.264 and Mpeg4 are compatible with this software.

2. *Why does the mobile client software prompt 'login failed' when access to the device via WIFI?*

Please check whether the WIFI parameters are configured properly in your phone.

3. *After starting viewing the live video, why does the responding of the mobile device becomes very slow and the video is easy to get stuck?*

This problem may due that the lower performance of your mobile device, please try to view less cameras at the same time, or decrease the frame rate and resolution, you may refer to the following parameter settings.