iVMS-4500(Android) Mobile Client

Software User Manual

(V1.0)

Thank you for purchasing our product. This manual applies to iVMS-4500 (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.

Contents

Chapter 1 Introduction

1.1 Overview

iVMS-4500 (Android) mobile client software, which is based on Android OS, can be used to remotely monitor the live video that from embedded DVR, IP camera, IP speed dome and DVS via wireless network, and PTZ control can be achieved as well.

With this software installed in your mobile device, you 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.

1.2 System Requirements

Hardware: CPU 500MHz or higher, available RAM at least 15MB
Software: Android OS V1.6 and above

1.3 Performance Description

Mobile Client	**Number of devices**	Manage maximum 16 IP devices
	Stream Type	Sub stream
	Frame Type	BBP or single P
	Frame Rate	1~8FPS (depends on the performance of mobile device)
	Resolution	QCIF, CIF
	Stream Type	Video
	Bit Rate	32~512Kbps (depends on the net environment)

Chapter 2 Running Software

When acquire the installation package 'iVMS-4500.apk', you may install it from mini SD card or by using PC suit and tool that provided by cell phone manufacturer.

After install the software successfully, the ⬤ icon will be arranged on desktop, click it to start the program.

2.1 Login Software

User needs to register an administrator if this application is used for the first time, enter the user name and password in the register interface, and then click 'Register' to complete.
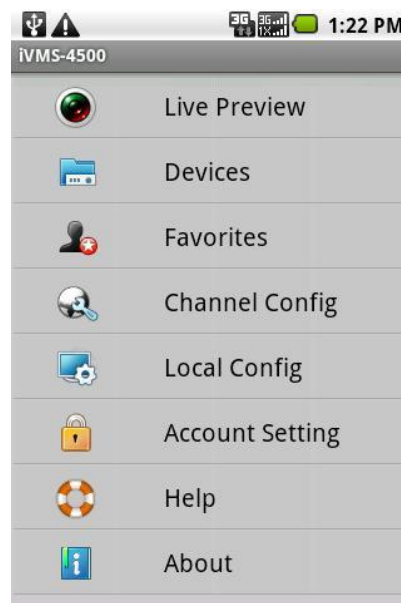

If it's not the first time to run this application, the user name that used last time will be the default user name, before login, you may check 'Auto Login' to save password and this application will login automatically next time.

2.2 Main Menu

Click 'Login' to log on to the application, main menu interface appears.

Main menu description

Main Menu	Descriptions
Live Preview	Live preview and PTZ control
Devices	Add new device, delete device, device's information
Favorites	Define specific channels to your favorites
Channel Config	Configure camera's stream type, resolution, frame rate and bit rate,etc
Local Config	Configure the access point and speed for PTZ control
Account Setting	Password modification
Help	Help document
About	Software version

Chapter 3 Devices Management

The device list is empty in default. Firstly you need to add a device that all operations such as preview, configuration and device management can be available then.

3.1 Add Device

Click 'Devices' icon on the main menu to enter devices management interface, click 'MENU' button, then select 'Add' you will be taken to a new device configuration interface.

You can select either 'IP' or 'Domain' register mode to login the device, domain mode is for the case that there is no fixed IP address available.

Parameters description

Parameters	Descriptions
Device name	Define a name for the device
Register mode	IP or DDNS
Address	IP address/dynamic name address
Port	Traffic port of device
User name	Device's user name
Password	Device's password
Chann No.	The number of cameras

Click 'Menu' to save the settings, device is successfully added to this application.

The newly added device will be shown in the devices list, you can either click 'Add' to add more devices or click 'iVMS-4500' to exit and return to main menu.

3.2 Modify & Delete Device

Select a device in the list you will see the detail of the parameters configured, you may click 'MENU' button to pop up options, then you can modify the parameters or just delete it.

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Chapter 4 Camera Configuration

After login the device successfully, you can configure the preview parameters for each camera according to your net environment.

Click ![icon] icon on the main menu to enter camera configuration interface, select the desired device and a camera

It's allowed to configure stream type, resolution, image quality, bit rate, frame rate, etc.

After finishing the parameters adjustment, click 'MENU' button to save the settings.
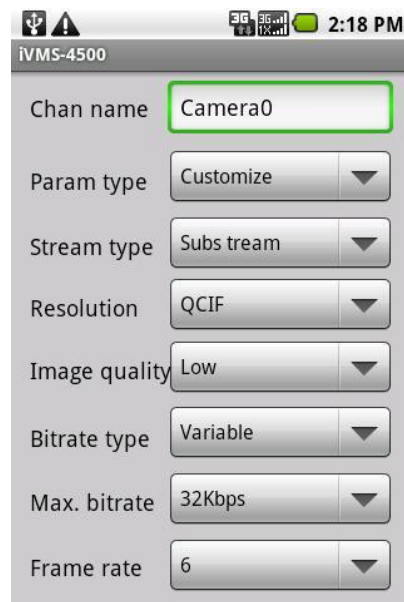
Camera parameters description

Parameters	Description
Chan. name	Define a name for the camera
Para. type	You can select customize or general
Encoding para.	You can select main stream or sub stream for live preview

Resolution	CIF or QCIF
Image quality	6 levels of image quality
Bitrate type	Variable or constant bit rate
Max. bitrate	The maximum bit rate of each camera, you need to configure it according to the net environment.
Frame rate	Frame rate of the camera

The parameters type can be 'Customize' or 'General', if select 'customize', then all of parameters are configurable, otherwise, the channel parameters will be fixed and not allowed to be adjusted.

General parameters

Parameters	Descriptions
Encoding para.	Sub stream
Stream type	Video
Resolution	QCIF
Image quality	Low
Bitrate type	Variable
Max. bitrate	32Kbps
Frame rate	6FPS
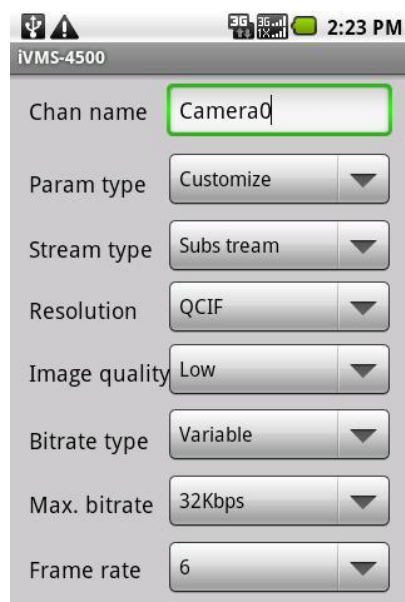
Chapter 5 Live Preview

After the proper parameters are configured, camera preview and PTZ control functions are available.

5.1 Live Preview

Enter live preview interface by clicking ⬤ icon on the main menu, the preview interface appears.
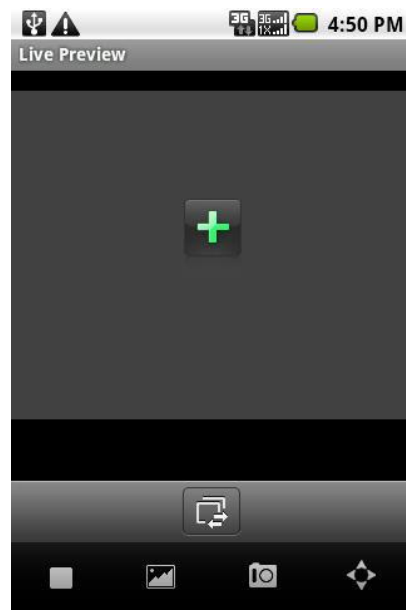
Button definitions

Buttons	Descriptions	Buttons	Descriptions
✚	Cameras selection	⟳	Switch camera for previewing
■	Stop playing	🖼	Adjust video quality
📷	Picture capture		
✧	Call out PTZ control panel		

Preview

Click ✚ or ⟳ to go to camera selection interface

Select the desired camera to start playing.

Click ▢ button you can stop playing the selected camera, and you may click ⊡ button to select another camera.

Note: the picture capture function is reserved and not available in this version.

Adjust video quality

It's allowed to adjust the video quality during playing, click 🖼 button will pop up three options 'L', 'M' and 'H', they present the following settings for sub stream respectively.

Parameters	Options		
	L	**M**	**H**
Resolution	QCIF	QCIF	CIF
Image quality	higher	higher	higher
Bitrate type	constant	constant	constant
Max. bitrate	32Kbps	128Kbps	256Kbps
Frame rate	4FPS	8FPS	6FPS
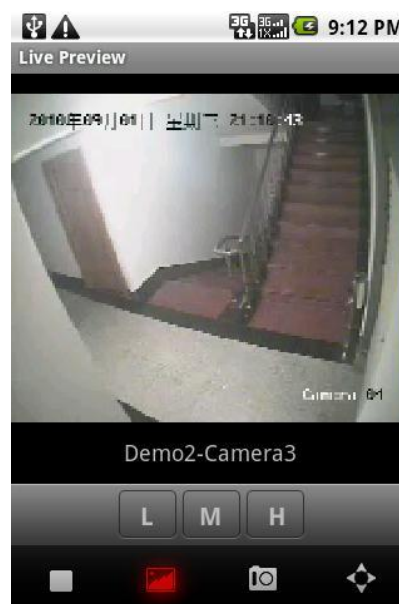
5.2 PTZ Control

Click ⬦ button to enter PTZ control interface,

There are four direction icons on the screen, click any of the icons to control the pan or tilt position.
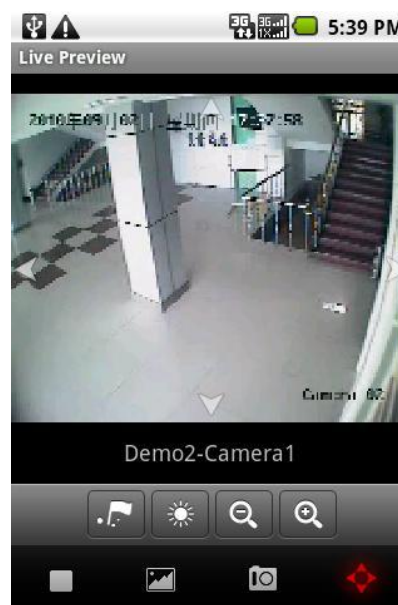
PTZ control buttons definitions

Buttons	Descriptions
🚩	Presets setting/calling
☀	Brightness setting
🔍	Zoom out
🔍	Zoom in

Presets settings and calling

In the PTZ control mode, adjust the camera to right pan/tilt position first, then click 🚩 to enter preset setting/calling interface, enter a number and click 'Set' button to complete setting. Click 'Call' button you will call the existed preset.

Brightness Adjustment

Click ' ' icon, then brightness adjustment slider appears.

Chapter 6 Group Management

Group management is a function that groups the camera and makes the preview easier when only concern some specific cameras.

In the main menu interface, click 📷 to enter group management interface, there is no camera under 'Favorites', so you need to add cameras at this point.
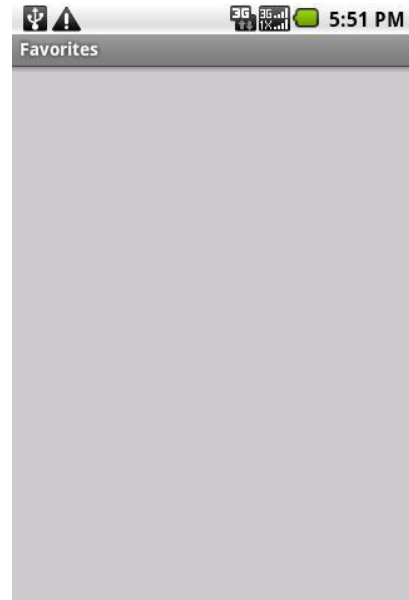
Click the 'MENU' button to go to camera selection interface, unfold the camera list and select the desired cameras, a message will appear once successfully add the camera.
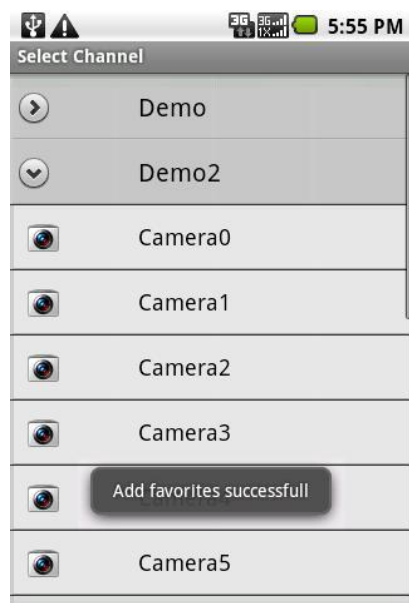
After finish the cameras selection, click 'Return' button to exit camera selection, now you may see the selected cameras are all included.
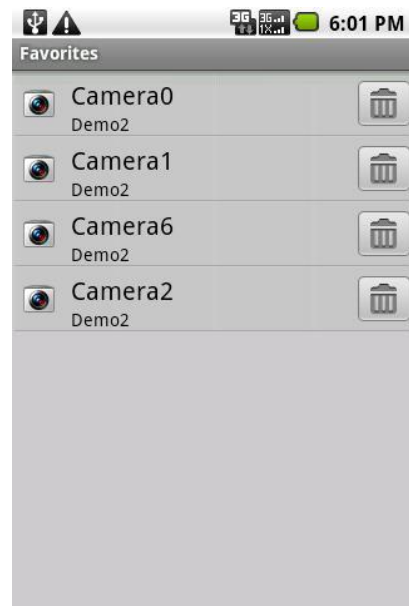
Click in the list, a warning message appears, you can click 'OK' to delete it or 'Cancel' to abort.
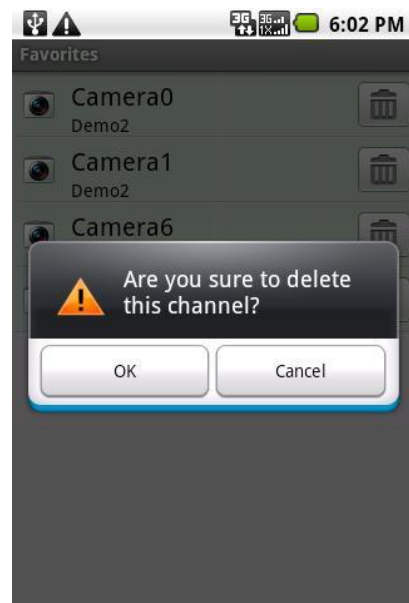
Now, navigate to the live preview interface, you can select the cameras directly from 'Favorites' for preview.

Chapter 7 Others

Local Configuration

Click icon on the main menu, you will be taken to some local configuration interface.

Click 'WirelessSetting' button it will be allowed to configure the way to access device, select the desired way to login this application among automatically login and password required.

Drag the slider in 'PTZ step' to adjust the speed in pan and tilt directions, there are seven steps in all, among these steps, the higher level you set the higher speed in pan and tilt you will reach.
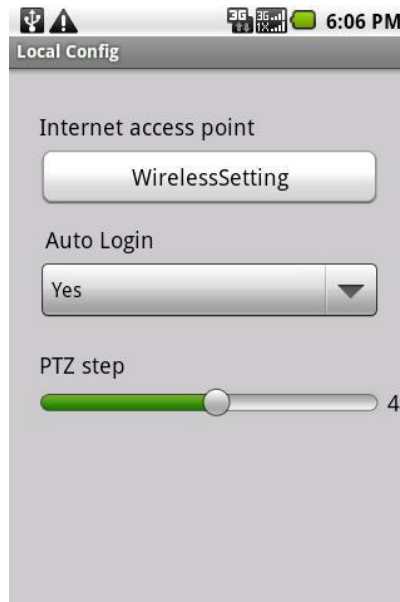
After adjust the parameters, press 'MENU' and then click button to complete.

Password Modification

Click on the main menu you can enter password modify interface, it's allowed to modify your current password. Enter old password, new password and then confirm new password, press 'MENU' button and then click button to complete.
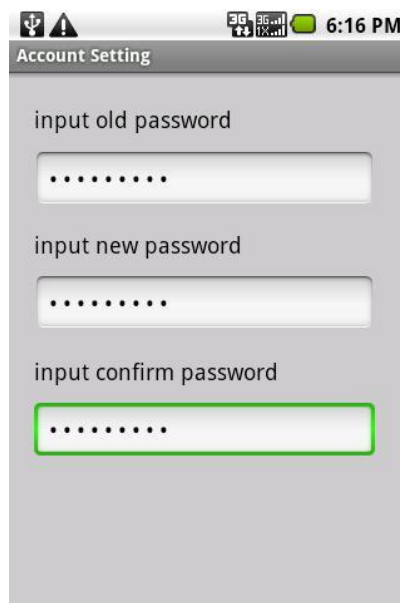
About

Click in the main menu, you will get the information of the software such as version, build date. If needs any help during the operation, you can click to call out the help document.

Chapter 8 Troubleshooting

1.   What kinds of devices are compatible with iVMS-4500 mobile client software?
The encoder which adopt H264 codec are compatible with this software, such as embedded DVR, DVS, IP camera and IP speed dome, besides it also requires this software to be applied with device which support dual stream.

2.   Why does the mobile client software prompt 'login failed' when access to the device via WIFI?
Please check the network settings, and also make sure that the device is always online and accessible.

3.   After start previewing the 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 preview less cameras at the same time, or decrease the frame rate and resolution.