

iVMS-4500(Android) Mobile Client Software User Manual (V1.5)

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	3
1.1 Overview	3
1.2 System Requirements	3
1.3 Performance Description	3
Chapter 2 Installation & uninstall	4
2.1 Installation	4
2.2 Uninstall	5
Chapter 3 Running Software	6
3.1 Login Software	6
3.2 Main Menu.....	7
Chapter 4 Devices	9
4.1 Add Device	9
4.2 Modify & Delete Device	10
Chapter 5 Channel Configuration	11
Chapter 6 Live Preview	13
6.1 Live Preview	13
6.2 PTZ Control.....	16
Chapter 7 Favorites	19
Chapter 8 Images	21
Chapter 9 Local Configuration	23
Chapter 10 Others.....	25
10.1 Password Modification.....	25
10.1 About	26
Chapter 11 Troubleshooting	27

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 or later version

1.3 Performance Description

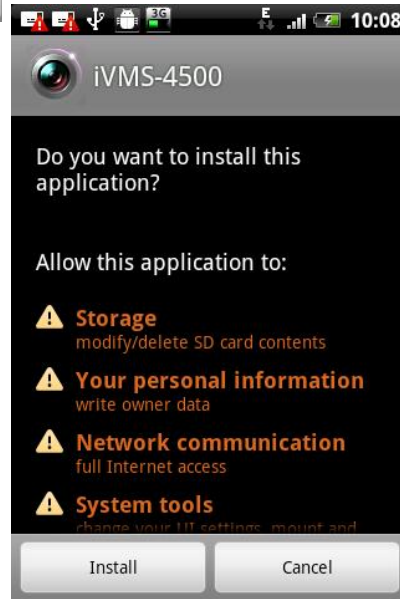
	Stream Type	Sub stream
	Encode mode	H.264/MPEG4
	Frame Type	BBP or single P
	Frame Rate	2~8FPS (depends on the performance of mobile device)
	Resolution	QCIF, CIF
	Stream Type	Video
	Bit Rate	32~256Kbps (depends on the net environment)

Chapter 2 Installation & uninstall

2.1 Installation

Copy the file of mobile client software of iVMS-4500 to the cell phone for installation.

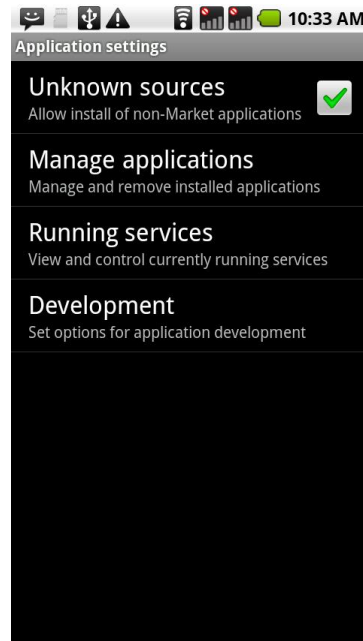
Open the program and click



The system may prompt you can't install, please click 'Settings'.

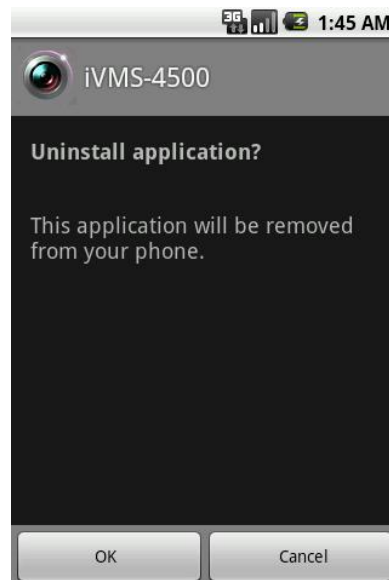


Select the first option, and return to open the program again, it'll be install successfully.




2.2 Uninstall

Enter Settings > Applications settings > Manage applications, choose iVMS-4500 and click 'Uninstall'.



Chapter 3 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 installing the software successfully, the  icon will be arranged on desktop, click it to start the program.

3.1 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'.

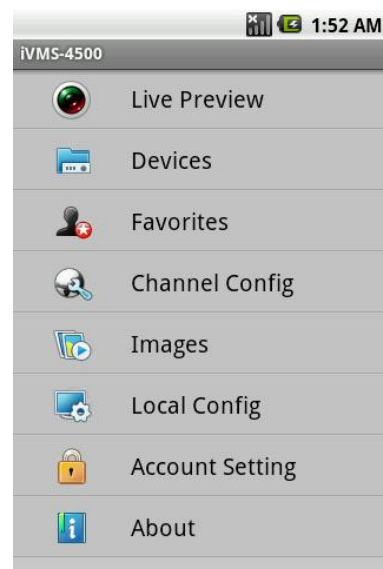


If it's not the first time to run this application, the user name that used last time will be in default, before login, you may check 'Auto Login' to save password and this application will login automatically next time.



3.2 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
Images	Local image capture and record management
Local Config	Configure connect mode, auto login, PTZ zoom
Account Setting	Password modification
About	Examine Software version

Chapter 4 Devices

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.

4.1 Add Device



Click  on the main menu to enter devices management interface. If you haven't added any device, it'll appear "You haven't added any device". Click Menu, select 'Add' to add new device.

The screenshot shows the 'New Device' configuration interface. The fields are as follows:

Field	Value
Device name	(Empty)
Register mode	IP
Address	(Empty)
Port	8000
User name	admin
Password
Chan No.	16

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	Description
Device name	Define a name for the device
Register mode	IP or DDNS
Address	IP address/dynamic name address
Port	Traffic port of device,8000 is default
User name	Device's user name
Password	Device's password
Channel No.	The number of cameras

Click 'Menu' to save 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 back to exit and return to main menu.




4.2 Modify & Delete Device

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



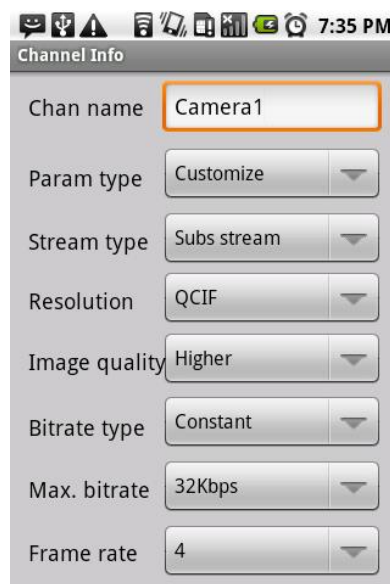
Chapter 5 Channel Configuration

After login the device successfully, you can configure the preview parameters for each channel according to your network.

Click  on the main menu to enter channel configuration interface, select the desired device and camera



It's allowed to configure stream type, resolution, image quality, bit rate, frame rate, etc. After finishing the parameters adjustment, click Menu to save the settings.



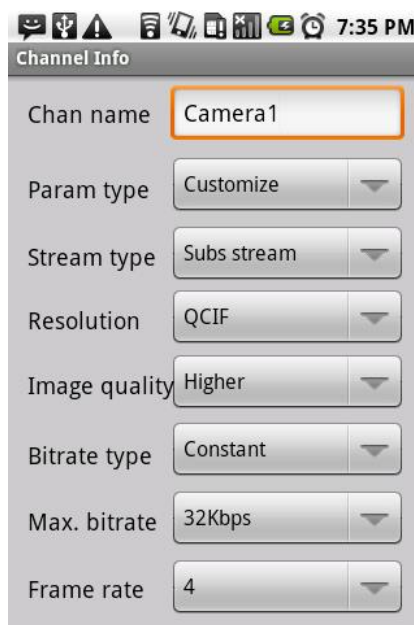
Channel Parameters description

Parameters	Description
Chan. name	Define name for the camera
Para. type	customize and general for selection
Stream type	main stream and sub stream for selection
Resolution	CIF or QCIF
Image quality	6 levels of image quality for configuration
Bit rate type	Variable or appointed bit rate
Max. bit rate	The maximum bit rate of each camera, you need to configure it according to the net environment.
Frame rate	Select 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
Stream type	Sub stream
Video type	Video
Resolution	QCIF
Image quality	Medium
Bit rate type	Constant
Max. bit rate	32Kbps
Frame rate	4FPS

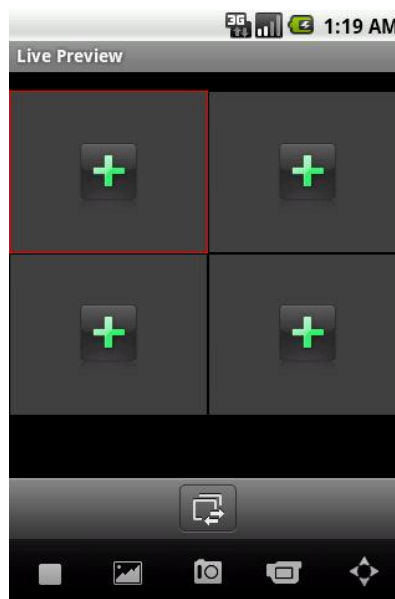


Chapter 6 Live Preview








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

6.1 Live Preview



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



Button Definitions

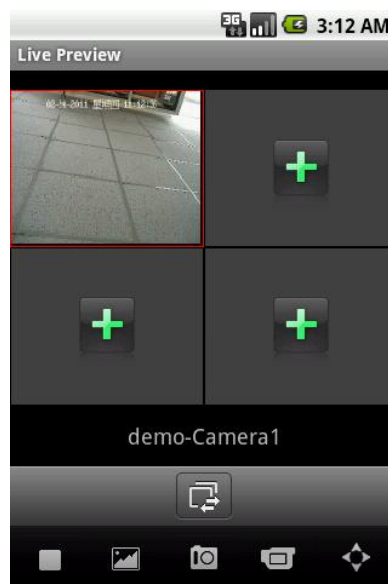
Buttons	Descriptions	Buttons	Descriptions
	Cameras addition		Select camera for previewing
	Stop playing		Adjust video quality
	Picture capture		Manual recording
	PTZ control panel		

Preview

Click  or  to go to camera selection interface. Select the desired device and click some camera to preview.



After getting stream successfully, it'll appear image as following.






Double clicking the preview camera to switch to signal full-screen preview, and it'll be back to quarter-division if double-clicking once more. Click , it'll jump to

image quality selection interface while the button turns to . Click the image quality grade which ran from low to high, select within your actual environment.






During live preview interface, enter transverse full-screen preview mode if you refer to the transverse function.

During transverse preview interface, click preview camera and it'll be appear button menu. Click corresponding button, it can realize the capture, manual recording and PTZ control function. Click  to stop preview.

Transfer mobile to normal mode and it will back to default preview interface.






Record & Capture

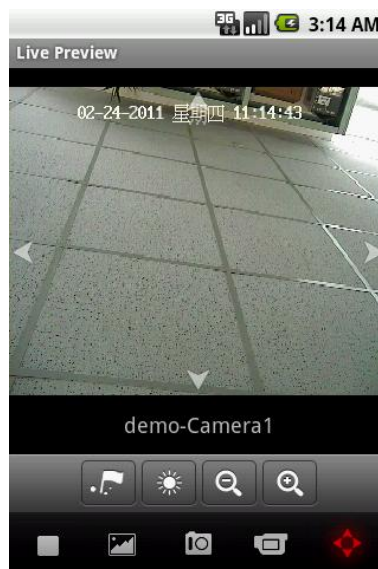
During live preview, you may click  to capture image and it'll appear "SnapShot successful!" when you operate successfully. Click  to turn on local record function, meanwhile, the button turn to . Click once more to stop manual record. Image files save under the path of SD/PIC/ and record files save under the path of SD/RECORD/.



Notes: Live preview and manual record operation call for the mobile have SD which have enough space to support.

6.2 PTZ Control

Click  button to enter PTZ control interface, meanwhile,  will turn to . There are four direction icons on the screen, click any of the icons to control the pan or tilt position. Click buttons under-below to set and call presets, adjust video brightness and zoom out or zoom in.




After control finished, click , and it will be exit to preview interface.

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

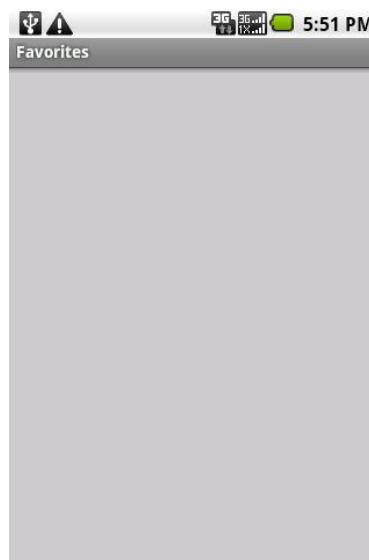
Click  icon, then brightness adjustment slider appears.



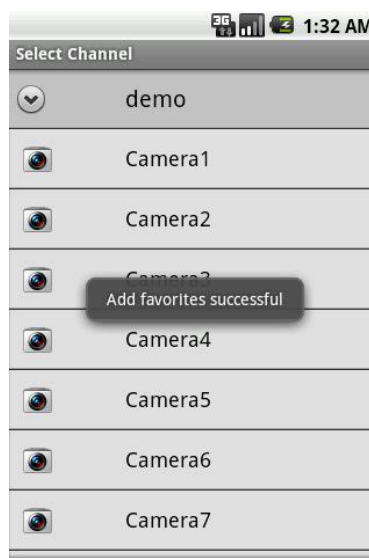
Chapter 7 Favorites

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

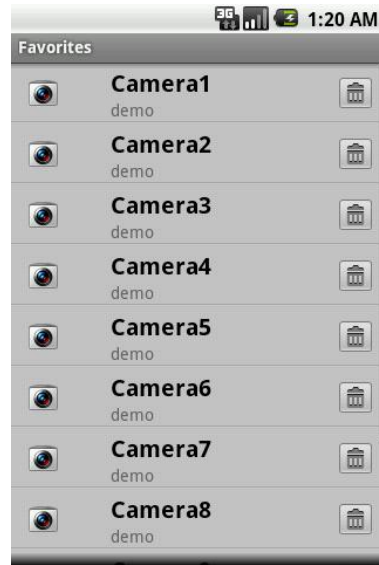
In the main menu interface, click  to enter favorites interface, it will remind you if there is no camera under 'Favorites'.




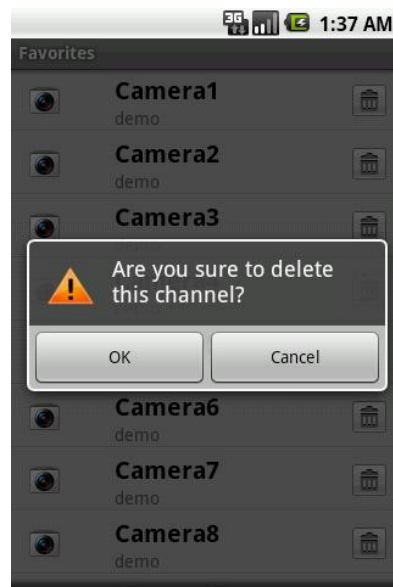
Click the 'MENU' button to go to camera selection interface, unfold the camera list and select the desired cameras, a message "Add cameras successfully" will appear once successfully add the camera.



After finish the camera selection, click 'Return' 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.

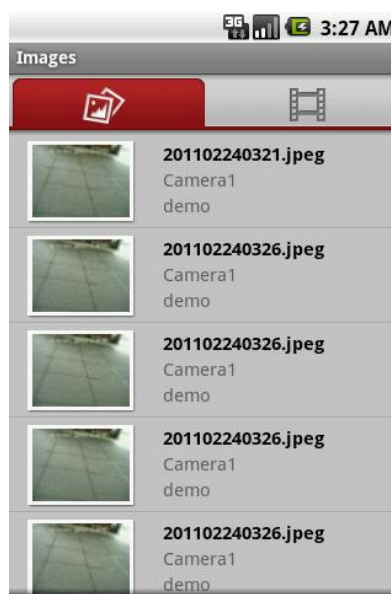
Chapter 8 Images

Manage capture images and record files to browse image, record playback and management conveniently.

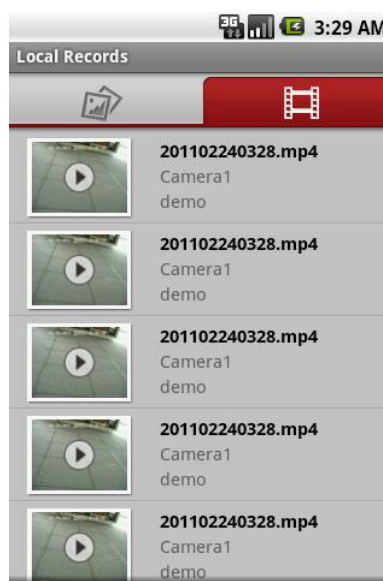


Click  to enter images interface.

Notes: If there is no SD card, it will remind you "No file, please check SD card"; if there haven't saved image before, it will remind you "There is no image in the file"; and if there is no record file, it will remind you "There is no record file".

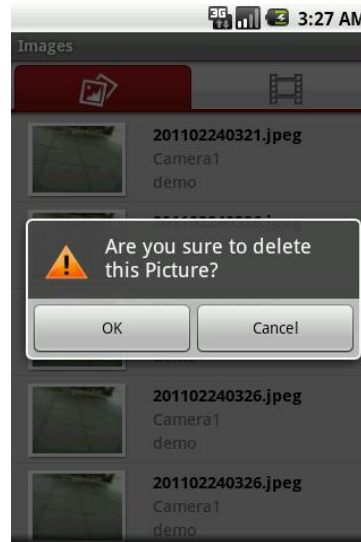


Switch the record menu to view manual record files. Select the image file, click to delete or zoom, select record file, click to delete or record playback.



Within image files, select file which needs to be deleted, long-print for seconds, it'll appear "Sure to delete this image(record)?", click 'Confirm' to delete this image or record file, click 'Cancel' to back to the image management interface.


After finishing operation, click 'Back' to return to main menu.



Chapter 9 Local Configuration

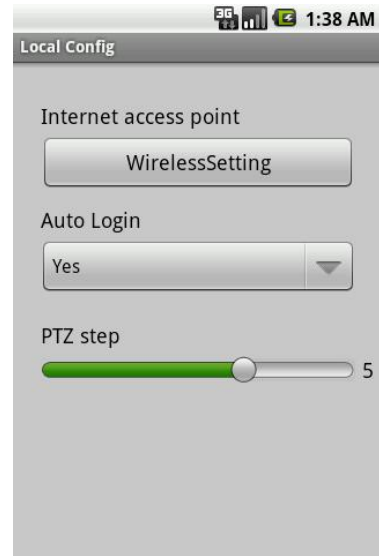
Through local configuration, type of network connection, switch of auto login and PTZ step can be set on mobile phone.

The type of network connection, switch of auto login and PTZ step can be set by

Clicking  on the main menu to enter local configuration interface. After finishing configuration, click Menu button to select 'Save'.





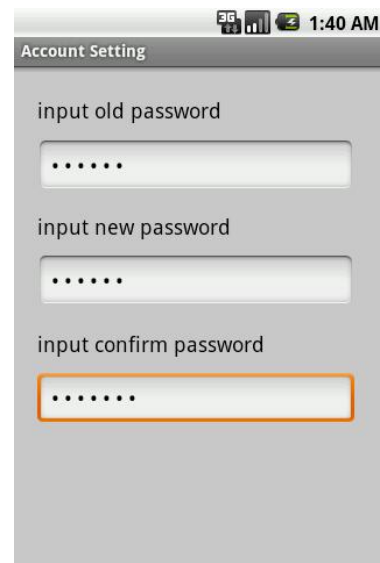
The type of connection depends on the way which your phone linking to the network. Please select the right way due to actual situation. If you choose the state of auto login 'Yes', then there's no need to input account name and password when you login next time; if it is 'No', then you need to input Username and password again when you login next time. PTZ step is the PTZ direction speed. The higher PTZ step, the faster of PTZ speed. Slip the block to control PTZ step , please configure through the actual situation.




Chapter 10 Others

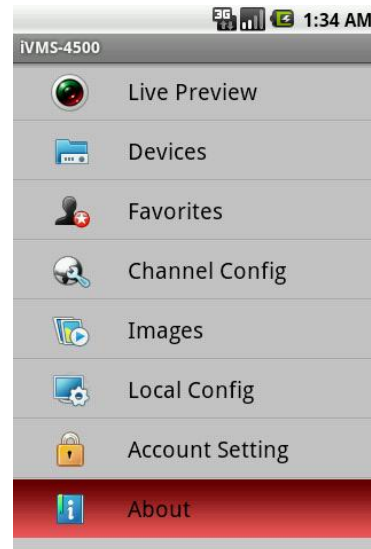
10.1 Password Modification

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



10.1 About

Click  in the main menu, you will get the information of the software such as version, build date.



Chapter 11 Troubleshooting

1. What kinds of devices are compatible with iVMS-4500 mobile client software?

The encoder which adopt H.264 and MPEG4 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. Mobile client software plays the operation by using sub-stream.

Type	Model
DVR	8000 series (DS-8000HC-S /DS-8016HE-S/ DS-8000HT-S/ DS-8000HF-S) 7200 series (for example : DS-7204H-S /DS-7208H-S/ DS-7216HV) 9000 series (for example : DS-9008HF /DS-9016HF) DS-7816H-ST DS-8116HF-S DS-9108HF-S DS-9612N-SH DS-7604H-S
DVS	DS-6100HC DS-6100HF DS-6516HF DS-6508HC
Network camera	DS-2CD802/812/832/892/702/712/732/792PF(NF)(-E) DS-2CD852/862/752/762MF
Network speed dome	DS-2DF6XX (6-inch) DS-2CD40X (4-inch)

2. Why does the mobile client software prompt 'login failed' when built in the public network.

Different access points vary to different telecom administration. Select the right access point. Take China Mobile for example, the access point should be 'cmnet' when enter the network through GPRS or 3G; if make the point be 'cmwap' ,there is no possibility to enter the software which have been connected to Internet.

3. 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.

4. 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 fewer cameras at the same time, or decrease the frame rate and resolution.