

iVMS-4500(iPhone) Mobile Client Software User Manual (V1.0)

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

iVMS-4500 (iPhone) mobile client software, which is based on iPhone 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: iPhone 3G or 3GS


Software: iPhone 3.0 OS or later version

1.3 Performance Description

Mobile Client	Stream Type	Sub stream
	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 Running Software

Please log on to Apple store web page and enter 'iVMS-4500' to search mobile client software, then download the software and install it to your phone.

After install the software successfully, you can click  icon 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 user registration.



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 can also check 'Remember' to save current login password.



2.2 Main Menu

Click 'Login' to login the software, main menu interface appears.



Main menu description

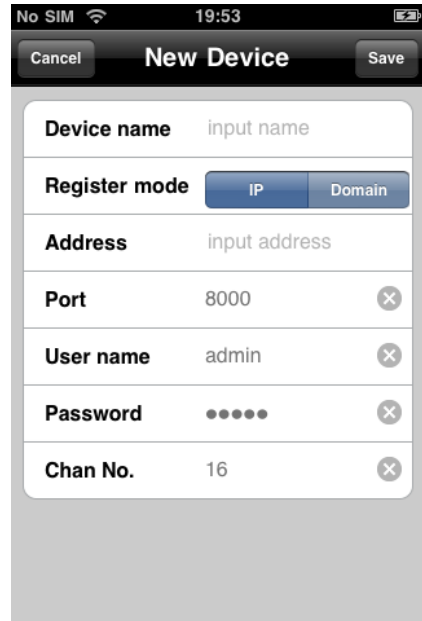
Main Menu	Descriptions
Live Preview	Live preview and PTZ control
Devices	Add new device, delete device, device's information
Favorites	Define specific channels to your favorites
Channel Config	Configure camera's stream type, resolution, frame rate and bit rate
Local Config	Configure the store path, access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

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

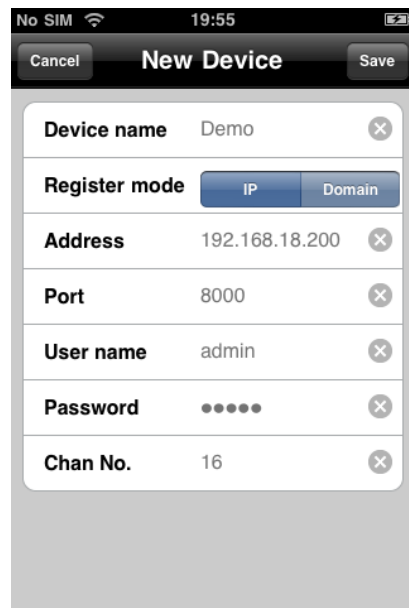
Click 'Devices' icon in the main menu to enter devices management interface, navigate to 'Add' option, you will be taken to a new device configuration interface.



The screenshot shows the 'New Device' configuration interface on an iPhone. The status bar at the top indicates 'No SIM', signal strength, Wi-Fi, and the time 19:53. The interface has a 'Cancel' button on the left and a 'Save' button on the right. The form contains the following fields:

Field	Value	Action
Device name	input name	
Register mode	IP (selected) / Domain	
Address	input address	
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.



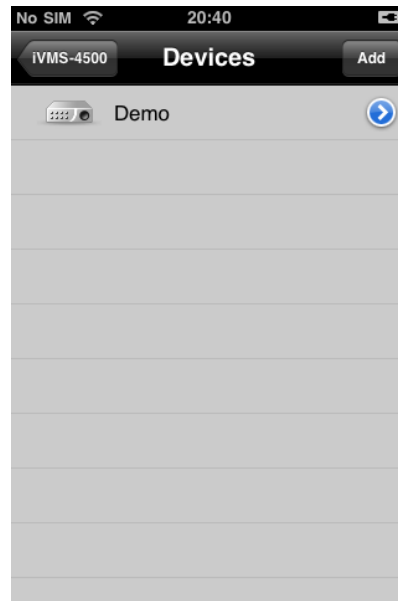
The screenshot shows the 'New Device' configuration interface on an iPhone. The status bar at the top indicates 'No SIM', signal strength, Wi-Fi, and the time 19:55. The interface has a 'Cancel' button on the left and a 'Save' button on the right. The form contains the following fields:

Field	Value	Action
Device name	Demo	✕
Register mode	IP / Domain (selected)	
Address	192.168.18.200	✕
Port	8000	✕
User name	admin	✕
Password	•••••	✕
Chan No.	16	✕

Parameters description

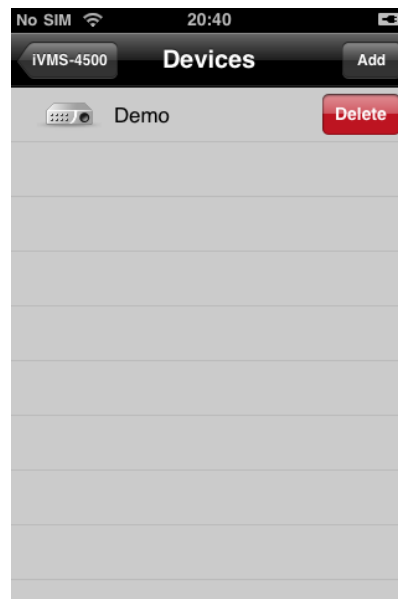
Parameters	Descriptions
Device name	Define a name for the device
Register mode	IP or DDNS
Address	IP address/dynamic name address
Port	Traffic port of device
User name	Device's user name
Password	Device's password
Chann No.	The number of cameras

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

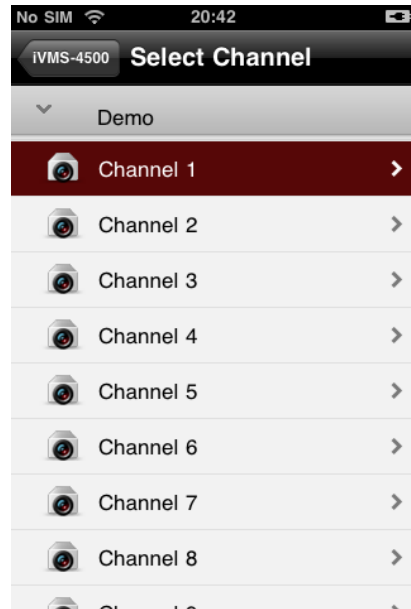
Select a device in the list, then click '➔' icon to see the detail of the parameters configured, you can modify the parameters as well, besides, slide the device you can get the option to delete it.



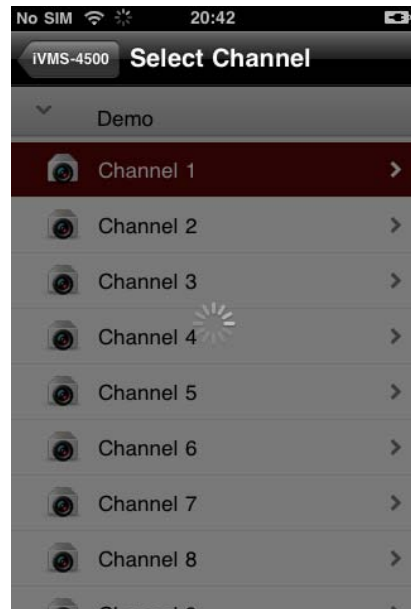
Chapter 4 Camera Configuration

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

Click  icon in the main menu to enter camera configuration interface, all of the added devices will be listed. Now, we only add one device to this software.

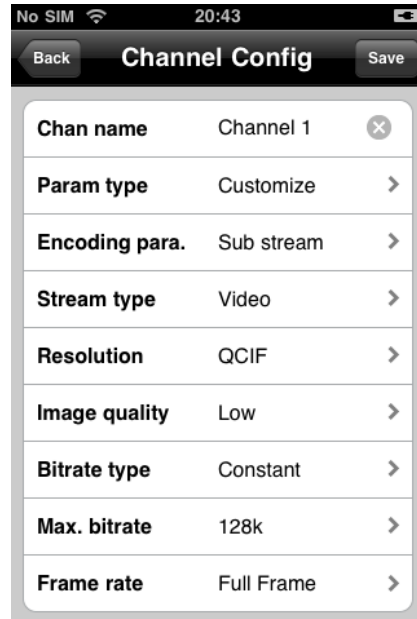


Click the device and select a camera to enter parameters configuration interface.



You can configure stream type, resolution, image quality, bit rate, frame rate, etc.

After finishing the parameters adjustment, click 'Save' to save the settings.



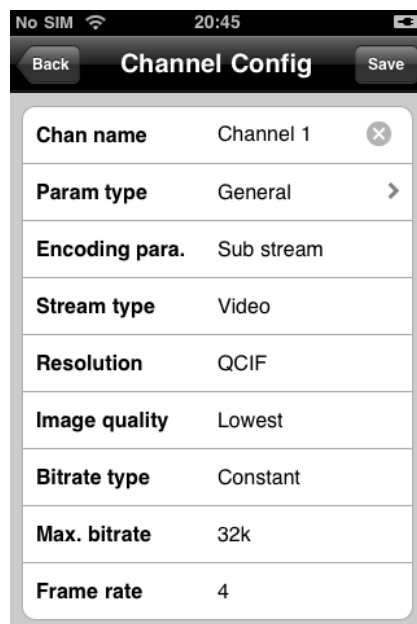
Camera parameters description

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	Lowest
Bitrate type	Constant
Max. bitrate	32Kbps
Frame rate	4FPS

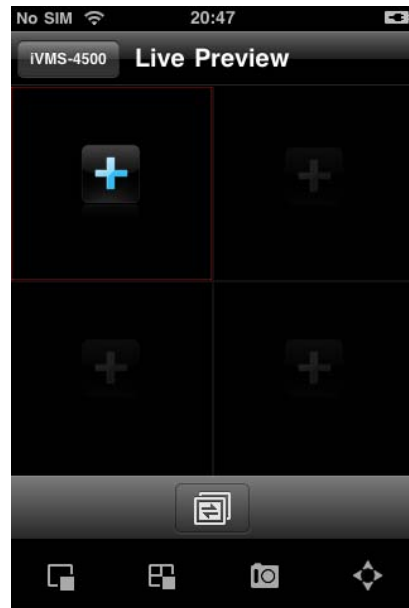


Chapter 5 Live Preview







After the proper parameters are configured, you can preview the cameras, control the PTZ as well.

5.1 Live Preview



Enter live preview interface by clicking  in the main menu, there is 4-split mode in default.



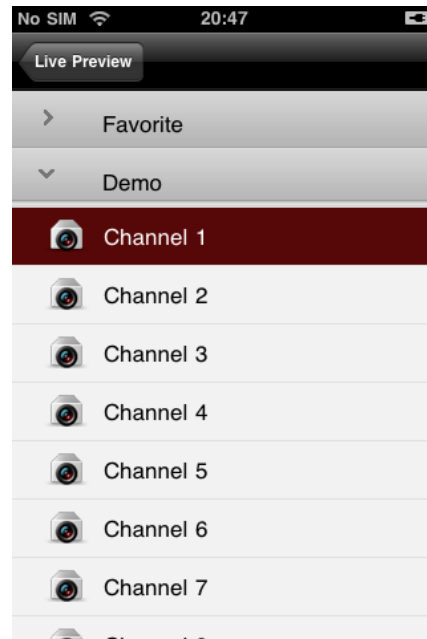
Button definitions

Buttons	Descriptions	Buttons	Descriptions
	Cameras selection		Switch camera for previewing
	Stop playing		Stop playing all cameras
	Picture capture		
	Call out PTZ control panel		



Preview

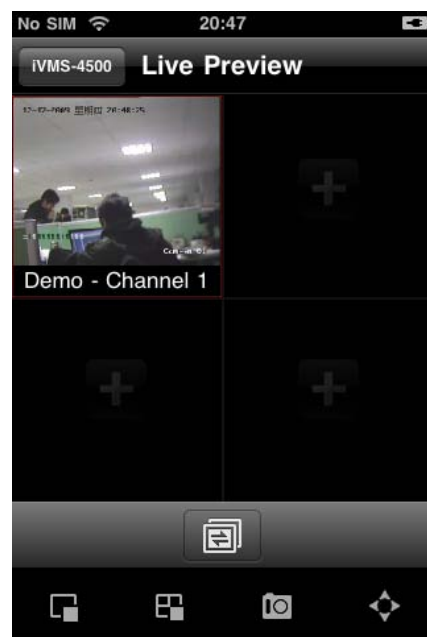
In the 4-split screen, select the window on which you want to play live video, click  or  to enter camera selection interface.

Click the device will unfold the cameras list, select a camera to start previewing.




In 4-split preview mode, you can double click any of the windows to get it enlarged, double click again the screen will be back to 4-split mode.

Click  button you can stop previewing the selected camera, all the playing videos will be stopped when click  button, and you can exit the interface by clicking 'iVMS-4500' icon.



Picture Capture

Click  button to capture the picture when preview the video.



5.2 PTZ Control



Click  button to enter PTZ control interface,

There are four direction icons on the screen, slider any of the icons will be able to control the pan or tilt position. Slider between two fingertips will zoom in/out the lens.


You can click 'iVMS-4500' icon to exit and return to live preview interface.



PTZ control buttons definitions

Buttons	Descriptions
	Brightness setting
	Presets setting/calling


Presets settings

In the PTZ control mode, adjust the camera to right positions for this preset first, then click  to enter preset configuration interface, the configuration panel appears.

Select 'Set' on the panel and enter the number for this preset.



Presets calling

In PTZ control mode, click  to enter preset calling interface.

Select 'Call' in the panel, and enter the preset number to call it.




Brightness Adjustment

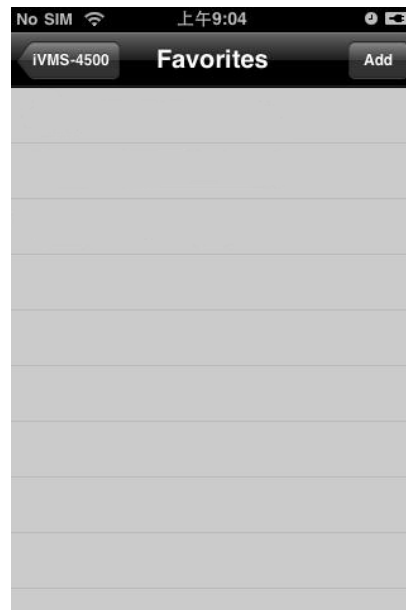
Click '☀️' icon, then brightness adjustment slider appears.




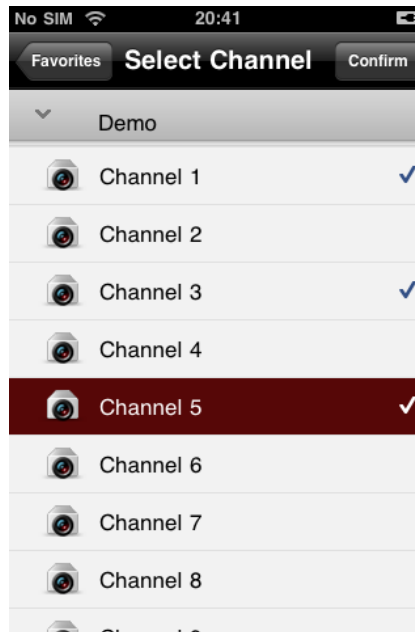
Chapter 6 Group Management

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

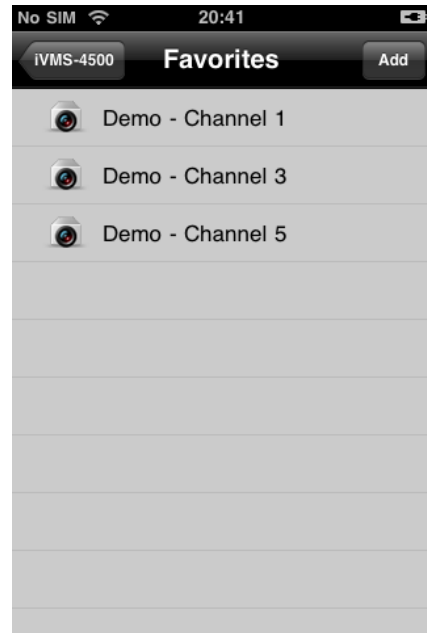
In the main menu interface, click  to enter group management interface, there is no camera under 'Favorites', so you need to add cameras at this point.



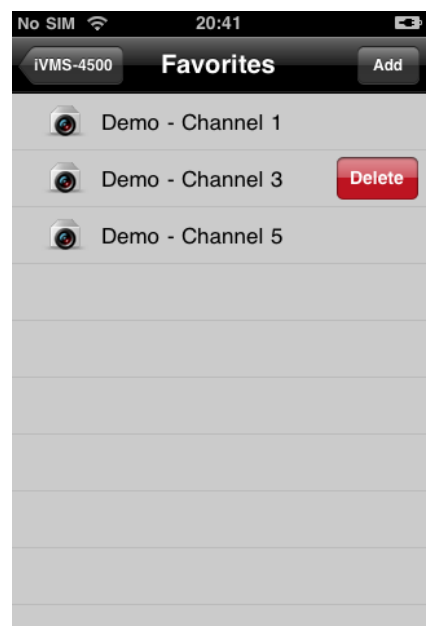
In the cameras selection interface, Click the device to unfold cameras list, you can add any of the cameras to your favorites by selecting it. The cameras which have been selected will be marked with  icon.



After finish the cameras selection, click 'Confirm' to return to group management interface, the cameras you just added to your favorites are included in the list.




Slide the camera, the option to remove camera from 'Favorites' appears.

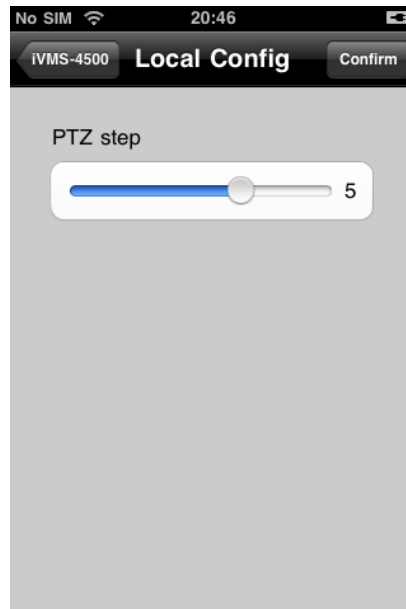


Now, navigate to the live preview interface, you can select the cameras directly from 'Favorites' for previewing.


Chapter 7 Others

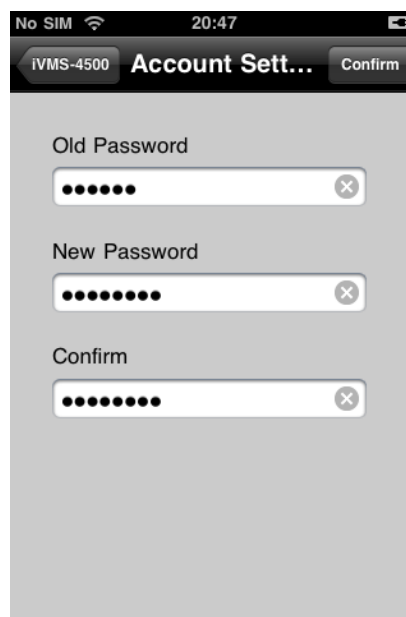
Local Configuration

Click  icon in the main menu, you can drag the slider to adjust the speed in pan and tilt direction, there are seven steps in all, among these steps, the higher level you set the higher speed in pan and tilt you will reach.





Password Modification

Click  in the main menu you can enter password modify interface, you are allowed to modify your current password. Enter old password, new password and then confirm new password to complete the modification.



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 and open 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 whether the WIFI parameters are configured properly in your phone.

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, you may refer to the following parameter settings.

Resolutions	Recommend number of cameras	Recommend frame rate
CIF	1	8FPS or lower
QCIF	4	8FPS or lower