

# **iVMS-4500(Windows Mobile) Mobile Client Software User Manual Version 1.0**

Thank you for purchasing our product. This manual applies to iVMS-4500 (Windows Mobile) 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 (Windows Mobile) mobile client software, which is base on windows mobile 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 also accessible by using a dynamic name, or by forwarding ports to the public IP of router.

### 1.2 System Requirements

**Hardware:** Cell phone or PDA, which should support touchscreen, the available memory should not be less than 20MB while the frequency of CPU should be higher than 200MHz.

**Software:** Windows Mobile 5.0 or later version

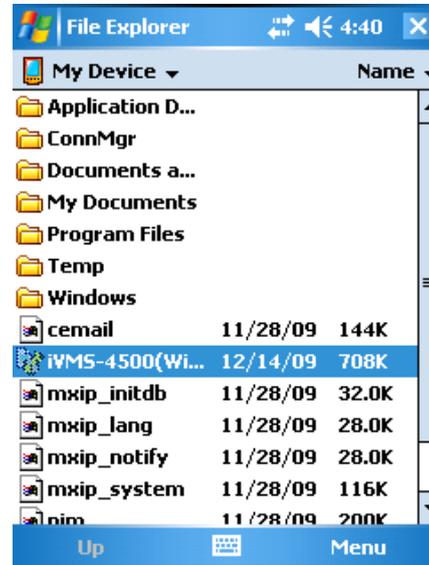
### 1.3 Performance Description

<b>Mobile Client</b>	<b>Stream Type</b>	Sub stream
	<b>Frame Type</b>	BBP or single P
	<b>Frame Rate</b>	2~8FPS (depends on the performance of mobile device)
	<b>Resolution</b>	QCIF, CIF
	<b>Stream Type</b>	Video
	<b>Bit Rate</b>	32~256Kbps (depends on the net environment)

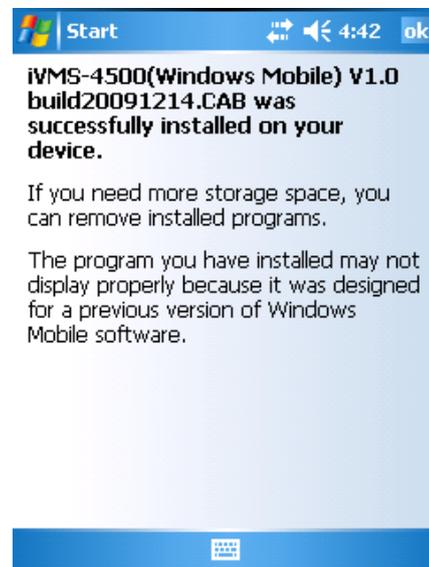
## Chapter 2 Install & Uninstall

### 2.1 Install the Software

Copy the installation file 'iVMS-4500(Windows Mobile)V1.0.CAB' to your mobile device, double click cab file to enter installation progress.



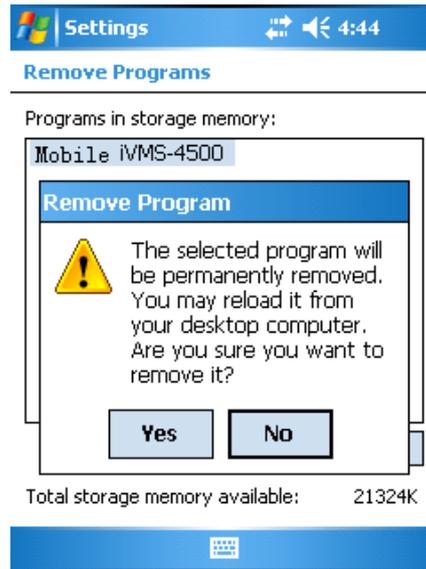
During the installation, the installation progress indicator appears, please wait until the installation complete.



### 2.2 Uninstall the Software

In the 'Start' menu of your mobile device, navigate to 'Settings'-> 'System'-> 'Remove Programs', you will enter programs remove interface.

Select 'Mobile iVMS-4500' program and click 'Remove' option, click 'Yes' to continue when a warning prompt.



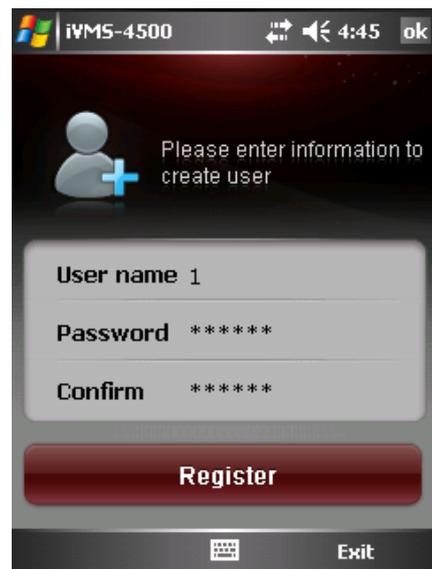
## Chapter 3 Running Software

After install the software successfully, navigate to 'Start'-> 'Programs', you can click

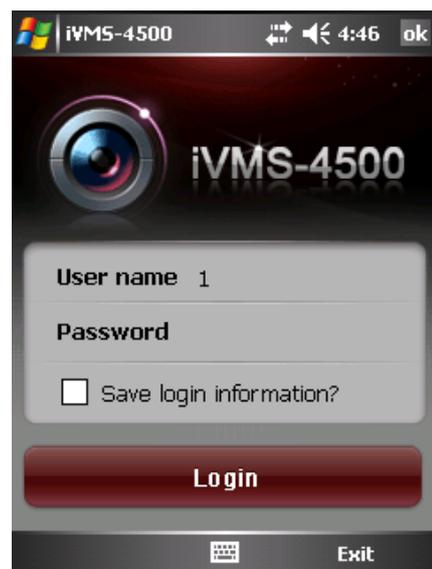
 icon to start the program.

### 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' to complete user registration.

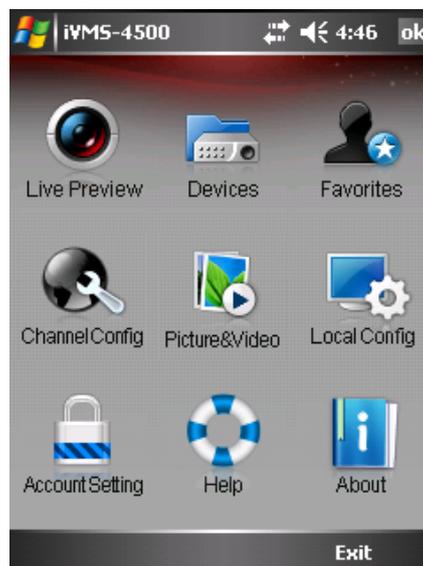


If it's not the first time to run this application, the user name that used last time will be the default user name, before login, you can also check 'Save login information' to save current login password.



## 3.2 Main Menu

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



### Main menu description

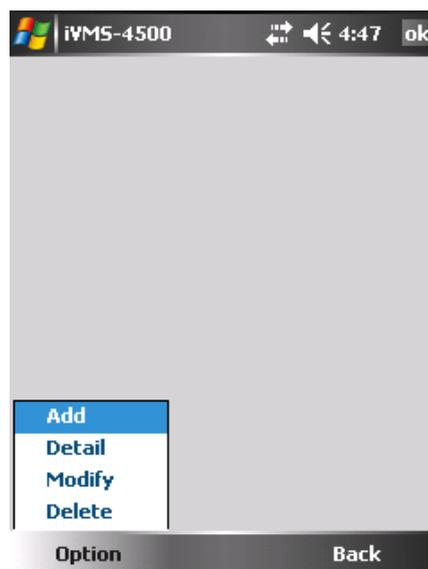
Main Menu	Descriptions
Live Preview	Live preview and PTZ control
Devices	Add new device, delete device, device's information
Favorites	Define specific channels to your favorites
ChannelConfig	Configure camera's stream type, resolution, frame rate and bit rate
Picture&Video	Manage the pictures and videos
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 4 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.

### 4.1 Add Device

Click 'Devices' icon in the main menu to enter devices management interface, navigate to 'Option' -> '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 name mode is for the case that there is no fixed IP address available.

 A screenshot of the iVMS-4500 mobile client interface showing the device configuration form. The status bar at the top shows the Windows logo, the text 'iVMS-4500', signal strength, battery level, and the time '4:48'. The form contains the following fields:
 

- Device name: 117.11
- Register mode: IP (dropdown menu)
- Address: 172.8.117.11
- Port: 8000
- User name: admin
- Password: \*\*\*\*\*
- Chan No.: 16

 At the bottom of the form is a dark bar with 'Save' on the left, a small icon in the center, and 'Back' on the right.

#### Parameters description

Parameters	Descriptions
Device name	Define a name for the device

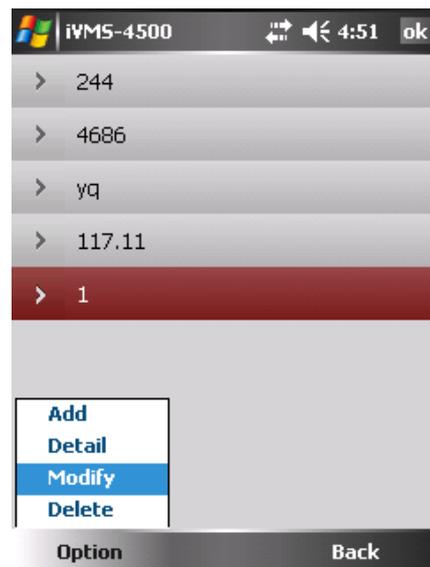
Register mode	IP or DDNS
Address	IP address/dynamic name address
Port	Traffic port of device
User name	Device's user name
Password	Device's password
Chan No.	The number of cameras

The newly added device is in selected status and marked with red color after you return to devices management interface



## 4.2 Modify Device

Select a device in the list, then click 'Option', in the pop up list, you can select 'Modify' to modify the login information or select 'Delete' to remove this device from the list as well.



## Chapter 5 Camera Configuration

After add 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 are listed.

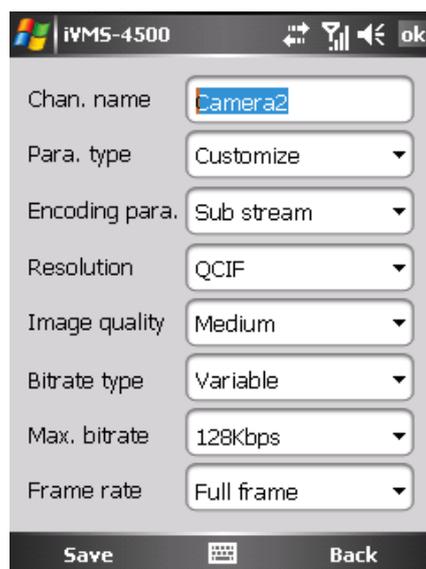


Click the device to unfold the cameras list, you can select the camera which needs to be configured.



Then click 'Configure' 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.



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.

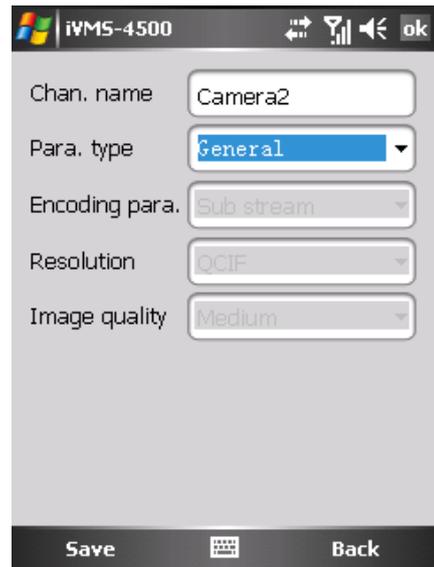
#### Camera parameters description

Parameters	Description
<b>Chan. name</b>	Define a name for the camera
<b>Para. type</b>	You can select customize or general
<b>Encoding para.</b>	You need to select sub stream for live preview here, and you can also configure the parameters for main stream
<b>Resolution</b>	CIF or QCIF
<b>Image quality</b>	6 levels of image quality included
<b>Bitrate type</b>	Variable or constant bit rate
<b>Max. bitrate</b>	The maximum bit rate of each camera, you need to configure it according to the net environment.
<b>Frame rate</b>	Frame rate of the camera

If selects para. type as 'General', the parameters are fixed and not configurable.

#### General parameters

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



The screenshot shows the iVMS-4500 mobile client software interface. The title bar displays the Windows logo, the text 'iVMS-4500', and standard mobile status icons (signal strength, battery, and 'ok'). The main content area contains several configuration fields:

- Chan. name: Camera2
- Para. type: General (selected from a dropdown menu)
- Encoding para.: Sub stream
- Resolution: QCIF
- Image quality: Medium

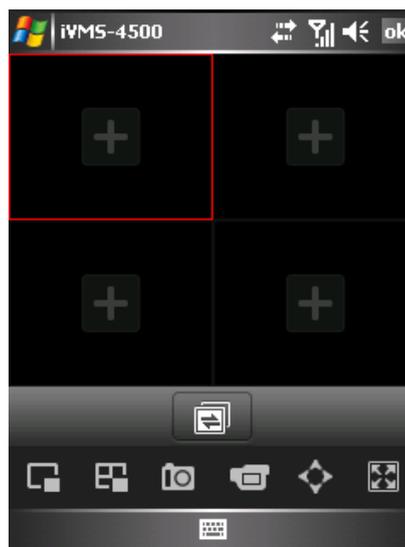
At the bottom of the screen, there is a dark bar with 'Save' and 'Back' buttons, and a keyboard icon.

## Chapter 6 Live Preview

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

### 6.1 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		Record button
	Call out PTZ control panel		Full screen

#### Preview

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

Select the device to unfold the cameras list, select the camera and then click 'OK' to start previewing.

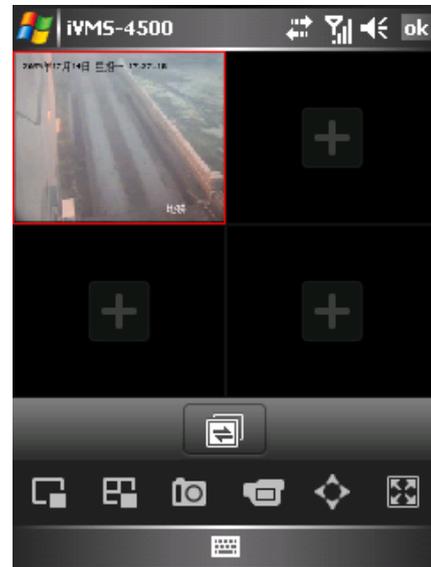


When successfully obtain the video streaming, the software will return to preview interface, you can preview other cameras by referring above operations.

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

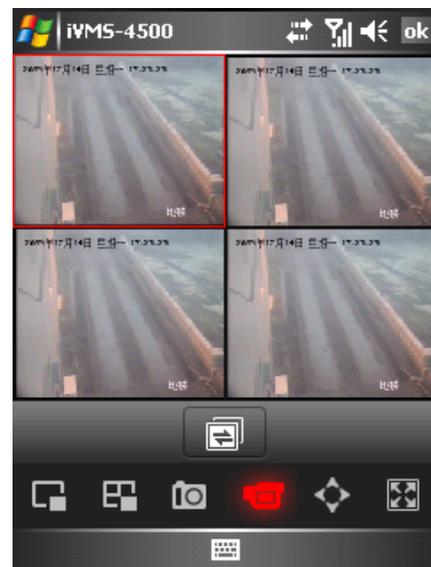
Click  in the function buttons bar below, you will get full screen preview mode, when in the full screen mode, the function buttons bar is hidden, and you can click any area of the screen to call out the function bar.

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 'OK' icon which is located in the right upper side of the screen.



### Recording and Picture Capture

Click  button to capture the picture when preview the video, and you can also start recording by clicking  button, the status of button will change to  accordingly, click this button again to stop recording. The default store path is 'My Documents' folder for both recorded videos and pictures.



The store path can be modified in the local configuration menu by clicking  icon in the main menu.



## 6.2 PTZ Control

Click  button to enter PTZ control interface, the buttons for PTZ control appears, you can perform all of the basic functions in PTZ camera such as zoom in/out, iris open/close, preset and pan/tilt control.



### PTZ control buttons definitions

Buttons	Descriptions	Buttons	Descriptions
	Zoom in		Zoom out
	Iris open		Iris close
	Presets settings/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, then click 'OK' to save the setting, you can click 'OK' again to exit preset configuration interface.



### Presets calling

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

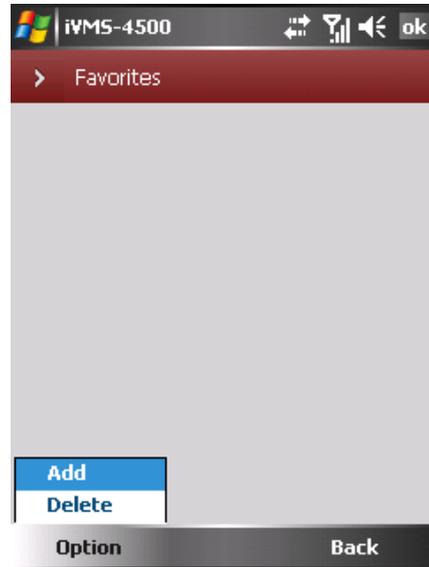
Select 'Call' in the panel, and enter the preset number to call it. You can exit by clicking 'OK'.



## Chapter 7 Group Management

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

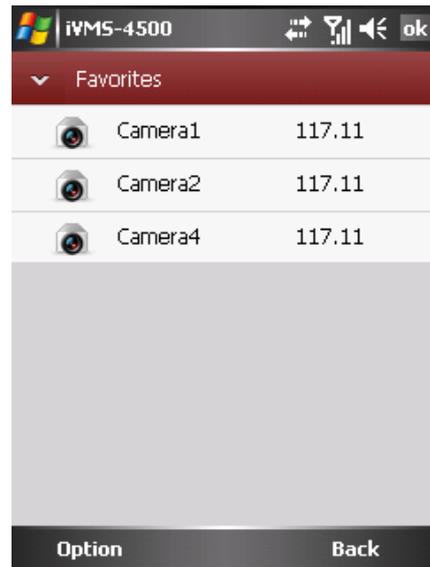
In the main menu interface, click  to enter group management interface, there is no camera under 'Favorites', so you need to add cameras at this point. navigate to 'Option'-'>'Add'.



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 and then clicking 'Add' option.



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



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



## Chapter 8 Picture & Video Management

In order to make it easier for the users to playback and the video/picture management, in this part, you can manage the videos and pictures that saved during live preview.

In the main menu, you can click  to enter video/picture management interface.



Select the video or picture item in the list, you can click 'Delete' to remove it from the list, when double click the item, you will get picture enlarged or video played.



## Chapter 9 Local Configuration

You can configure the way to access to device, saving path of captured picture, saving path of recording material and the step of speed when control the PTZ camera.

You can enter local configuration interface by clicking 'LocalConfig' icon in the main menu.



Select an access point according to your network environment, the options could include: 'My Work Network', 'My ISP' and 'WIFI'.



In the PTZ step option, 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.



## Chapters 10 Others

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.



The screenshot displays the password modification screen of the iVMS-4500 mobile client. The interface is titled 'iVMS-4500' and features three input fields for password entry: 'Old password', 'New password', and 'Confirm password'. Each field contains six asterisks, indicating masked text. The bottom of the screen has a navigation bar with 'Save', a keyboard icon, and 'Back' buttons.

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.

## Appendix Troubleshooting

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

**A:** 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 the mobile client software prompt 'login failed' when access to the device via WIFI?

**A:** Please check whether the WIFI parameters are configured properly in your mobile device.

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?

**A:** 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