



iVMS-5060 Client Software

User Manual (Android)

UD.6L0202D1372A01

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Chapter 1 Overview

1.1 Introduction of the iVMS-5060

iVMS-5060 mobile software is installed on the Android 2.3 and higher version mobile platform. The iVMS-5060 client software gets access to the server platform via Wi-Fi, 2G, 3G and 4G network, it fulfills the functions of the devices connected to the server platform, such as live view, remote playback, PTZ control, map display and so on.



Network traffic charges may be produced during the use of this client software. Please refer to the local ISP.

1.2 System Requirements

Hardware

At least 480*800 resolution and 1G RAM.

Software

Android 2.3.3 and higher version.

1.3 Network Topology

Please refer to the following figure for the network topology diagram.

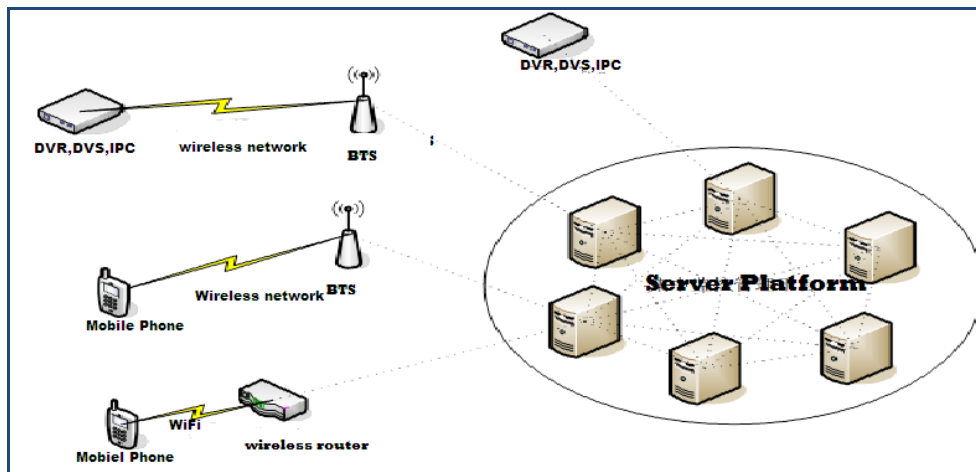


Figure 1-1 Network Topology

Chapter 2 Installing and Uninstalling

2.1 Installing the Client Software

Purpose:

Follow the procedures to install the iVMS-5060 Mobile Client Software on the Android system.

Steps:

1. Log in the Play Store.
2. Search the “iVMS-5060”.
3. Download the software and install it on the Android system.

2.2 Uninstalling the Client Software

Purpose:

Follow the procedure to uninstall the iVMS-5060 Mobile Client Software on the Android system.

Steps:

1. Enter the Application Management interface of your mobile phone (Settings > Apps)
2. Find the software and click it.
3. In the Application info interface of the software, click **Uninstall** button and then click **OK** button to uninstall the mobile client software.

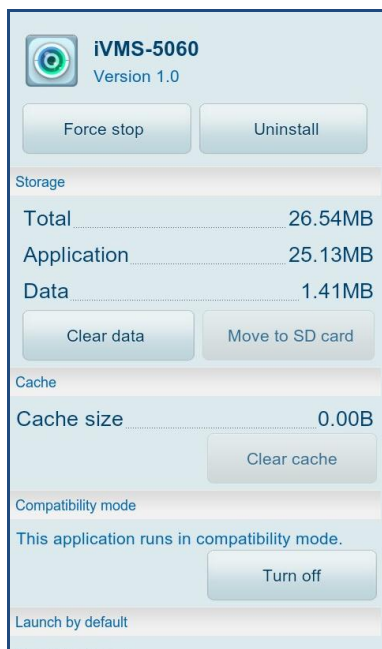


Figure 2-1 App Info Interface


Chapter 3 Running the iVMS-5060

3.1 Viewing the Demo Video

Purpose:

The demonstration video provides a convenient way to get the live view image of the included cameras by default without needing to configure the server.

Steps:

1. Click the  icon to open the software.

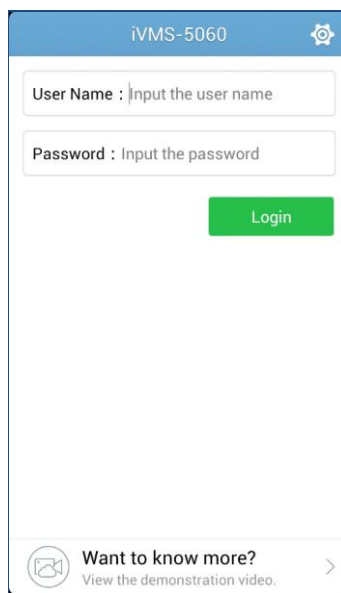


Figure 3-1 Login Interface of iVMS-5060

2. Click the tip on the bottom of the screen to get the camera list.

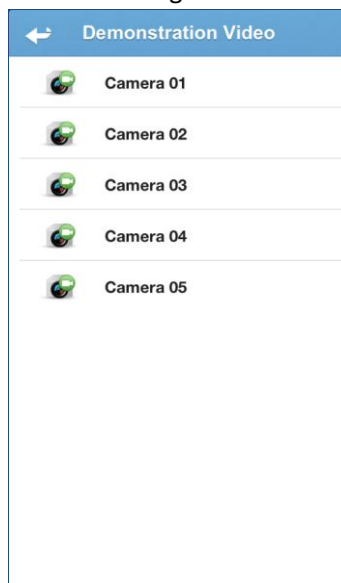


Figure 3-2 Camera List of Demo Video

3. Tap a camera to view the live view image.

3.2 Configuring the Server Address

Purpose:

After you open the software, the login interface appears by default. You may configure the server address before you log in the system.

Steps:




1. Click the  icon to open the software.
2. Click the  icon to go to the server address configuration interface, as shown in the following figure.



Figure 3-3 Server Address Configuration Interface

3. Input the server address you want to connect and click the  icon to save the setting and back to the login interface.

3.3 Logging In

Purpose:

You can log in the system after filling the required information.

Before you start:

Make sure you have configured the server address first, or it will be a hint after clicking the Login button, and the screen jumps to the server address configuration interface.

Steps:

1. Input the user name and password in the login interface.




The user name and password must be assigned by the platform server.

2. Click the  button to log in.

3.4 Logging Out

Steps:

1. Click the  tab to enter the interface of other functions.

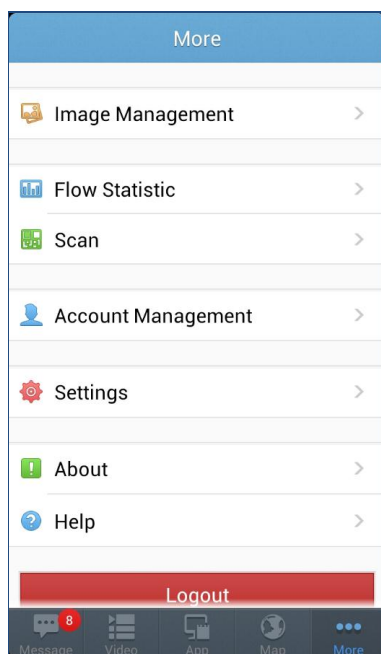


Figure 3-4 Interface of More Tab


2. Click the  in that interface.
3. Click **Confirm** in the popup menu.



Figure 3-5 Confirm to Log out


Chapter 4 Camera Management




4.1 Live View

Purpose:

In the live view mode, you can realize the PTZ control, capture, and video clips for the camera.

Steps:

1. Click the  tab to enter the video interface.

Three kinds of icon will be displayed:  (control center),  (area) and  (camera).

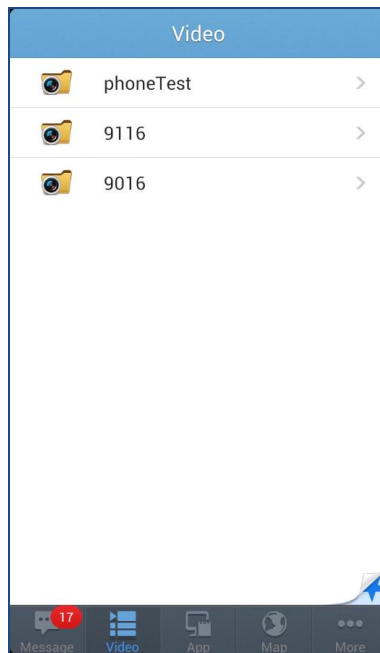



Figure 4-1 Video Interface

2. Click the device name until the camera list appears.
3. Enter the live view interface.

Steps:

- 1) Tap  of the camera to show the hidden menu, as shown in the figure below.

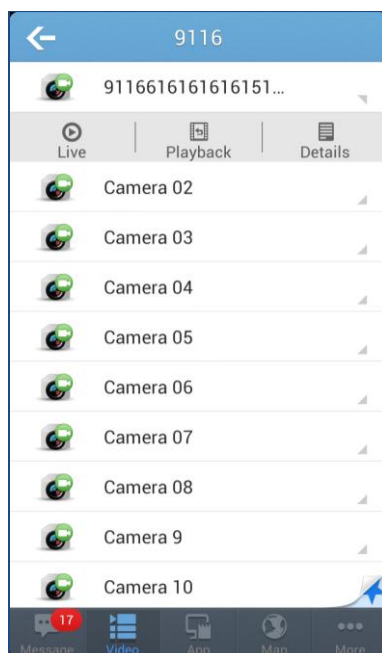



Figure 4-2 Hidden Menu of the Camera

2) Click  button to enter the live view interface, as shown in the figure below.

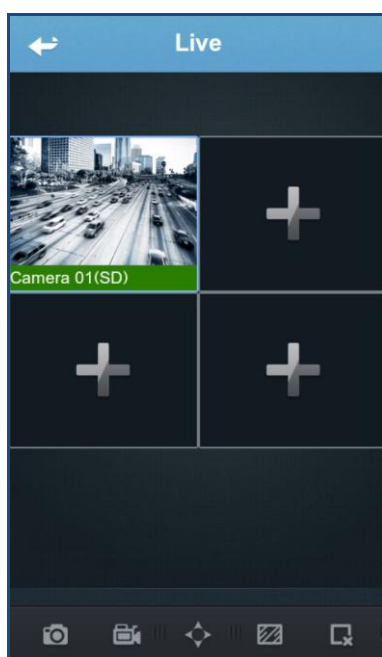









Figure 4-3 Live View Interface



- The image displays in the 4-window division mode by default, you can double-click the image to enlarge it, and you can slide to the left or right to view the image of other windows.
- The control bar can be slide to left or right to show the hidden icons. Please refer to the next table for detailed descriptions.

Table 4-1 Description of Live View Control Bar


Icon	Description	Icon	Description
	Capture picture		Video clips
	PTZ control		Audio on/off
	Stop live view		Video quality selection
	Added/Not added to My Favourites		

- **Full-screen Live View**

Rotate the device, and the screen switches to the landscape mode and start to full-screen live view. The control bar is also provided.


- **Add the Live View Window**

Steps:


- 1) Select a free window and click the  icon.
- 2) It will switch to the camera selection interface, select a camera and the live view image will be displayed directly.

- **Stop the Live View Window**

OPTION 1:



Click  to back to the camera list interface, and the live view of all cameras will be stopped.

OPTION 2:

Select a window and tap  to stop it.

OPTION 3:

Steps:

- 1) Long-press the image until the  icon appears on the title bar
- 2) Move the image to the  icon and release, and then the corresponding live view window will be stopped.



- **Picture Capture**


In the live view mode, click  icon to capture the image.



The captured pictures are stored in the **iVMS-5060** folder of the mobile phone.



- **Video Clips**

Click the  icon to start clipping the video and the icon becomes .

Click the  icon to finish video clipping.

Quality Selection

● **PTZ Control**

When clicking the PTZ control icon , it turns to blue icon , and the PTZ control bar appears, as shown in the figure below.

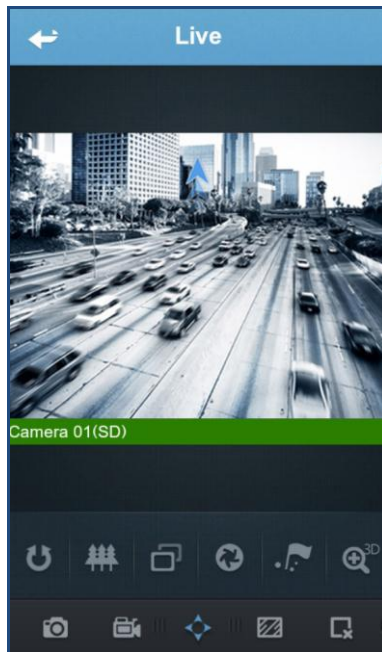








Figure 4-4 PTZ Control Mode


Table 4-2 Description of PTZ Control Bar

Icon	Description	Icon	Description
	Patrol		Zoom
	Focus		Iris
	Call/Set Preset		3D Zoom In


You can slide on the live view window to realize the pan left/right and tilt up/down movements. You can also pinch two fingers together to zoom out or spread them apart to zoom in the live view.

You can quit the PTZ control interface by clicking on the blue icon .

● **Video Quality Selection**

For the network status may be unstable, you can click the  button to select the video quality to adapt different situations. And the selectable qualities may be different among different platforms.

You can also set the default video quality for all the cameras in the Bit Stream Selection interface.




- (1) Click the  tab to the more settings interface.
- (2) Click the **Settings** button and click the **Bit Stream Selection** in the submenu.
- (3) Select the bit stream type on your demand.



When the video quality is set as Fluent, the audio will be disabled.

4.2 Playback

Steps:

1. Click the  tab to enter the camera list interface, and tap  of the camera to show the hidden menu, as shown in the Figure 4-2.
2. Click  button to enter the playback interface, and it will begin to play back from the beginning of that day.

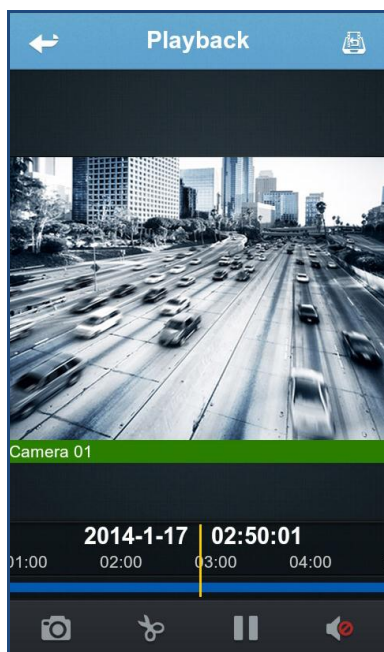







Figure 4-5 Playback Interface

Table 4-3 Description of Playback Control Bar

Icon	Description	Icon	Description
	Capture screen		Video clips
	Start/Pause		Audio on/off

3. You can drag the timeline to the specific time.
4. Full-screen playback is also supported. Rotate the device, and the screen switches to the landscape mode and start to full-screen playback. And the playback control bar is also provided.
Rotate the device to the portrait mode to stop playing back.

5. You can click the  on the top-right of the screen to configure the search conditions, including date and storage mode.

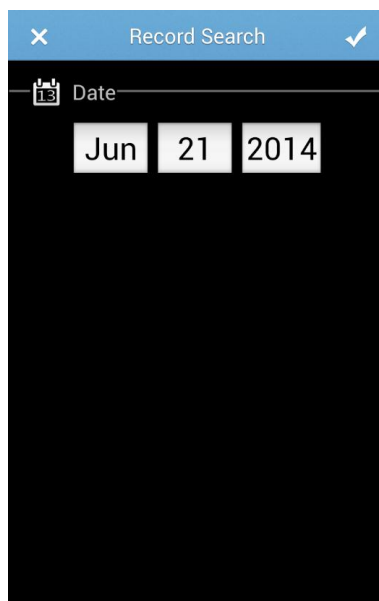







Figure 4-6 Record Search Interface

6. Click the  to set the search condition, or you can click the  to cancel and back to the playback interface.

4.3 Managing Camera List

4.3.1 Getting Camera Information

Steps:

1. Click the  tab to enter the camera list interface, and tap  of the camera to show the hidden menu, as shown in the Figure 4-2.
2. Click  button to get into the detail information of the selected camera, including appearance, line status, PTZ control, device type and manufacturer of the device, as shown in the figure below.

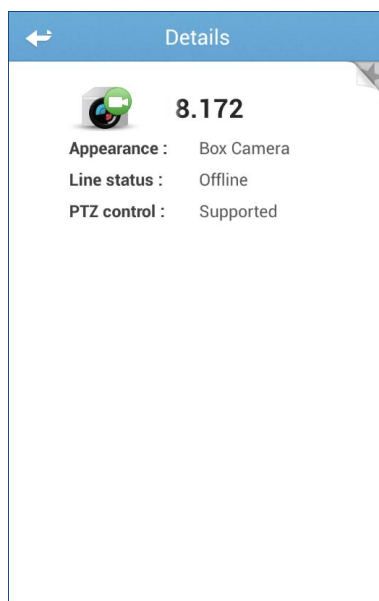







Figure 4-7 Camera Information


3. Click the  icon to back to the camera list.

4.3.2 Managing My Favorites

Steps:

1. Select a camera and go to the live view interface of it, click the  on the control bar to add the camera to My Favourites, then the icon becomes .

Or you can click the  on the upper-right corner of the Camera Details interface, then the icon becomes .


2. Click the  icon on the lower-right of the camera list to show the My Favorite folder, and you can check the contents of My Favorites.


Chapter 5 Map

Purpose:

The Map provides a visible way to manage and view the cameras of the platform. It displays the location of camera, and you can search and manage the cameras.

Steps:

1. Click the  tab to enter the Map interface.

The map will automatically show the online cameras of the platform on the map, which are displayed as the  icons.











- Please enable the Location Services in the Settings of system if you want to get your location on the map. Click  button to get located.
 - Different icons stand for different device types:  (Camera),  (Mobile DVR) and  (Portable DVR). And the device types are different among platforms.
2. You can click the icon to get the information of the camera, as shown in the figure below.



Figure 5-1 Camera Information

3. Click the  to get the live view image and click  to get details of the camera, also live view and playback are supported.
4. In the Camera Detail interface, you can also choose to correct the camera location. Click the **Correct Location** button, and then the location of the mobile phone is updated to the server as the new location of the selected camera.
5. Other functions of map.

The map toolbar appears on the bottom of the interface by default. You can click  to hide the bar, and click  to show it again.

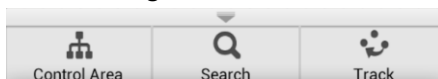


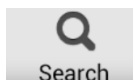
Figure 5-2 Map Toolbar



When the amount of camera is very large, viewing and managing camera via the map is not so easy. You can get the centralized management of the cameras via the Control Area function.

Steps:

1. Click the **Control Area** icon to enter the device list of the platform.
2. Click the camera and then the location of it will be displayed on the map.



Steps:

1. Click the **Search** icon to enter the search interface.

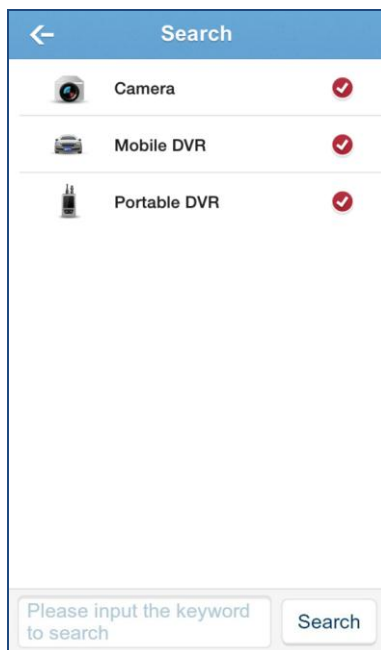




Figure 5-3 Search Interface

2. Set the search condition: select the device type by ticking the corresponding type, and input the keyword in the bottom of the screen.
3. Click the **Search** button.
By default, the interface will jump to the map and display the found cameras on it.
Click the  on the lower-right corner of the map to clean the search result.
4. (Optional) You can click the  on the upper-left of the screen to display the found camera in a list.

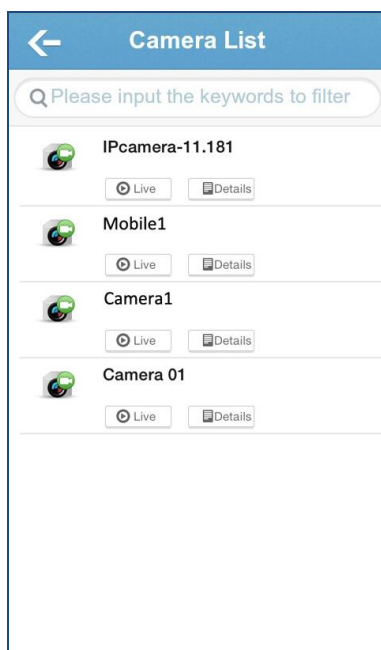
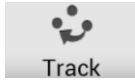


Figure 5-4 Search Result in List

You can get the live view image or detail information of the camera by clicking the corresponding button.



Steps:

1. Click the **Track** icon to enter the Track Search interface.

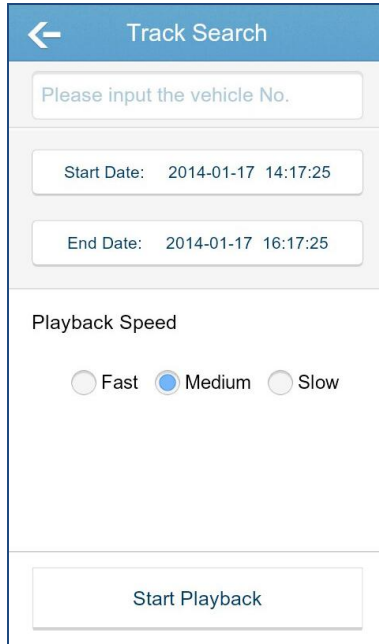


Figure 5-5 Track Search Interface

2. Set the search condition: input the vehicle No., set the search time period and the playback speed.



The time period between Start Time and End Time should be no longer than 24 hours.

3. Click the **Start Playback** button to show the track of the vehicle on the map.
4. You can control the track playback by clicking the control buttons on the top of the map.

Table 5-1 Description of Track Playback Control Bar

Icon	Description
	Playback in the fast speed.
	Play / Pause
	Play from the start
	Expand/Collapse the track details

Click the button to expand the track details, including vehicle speed, longitude and latitude of the location, direction and time.

Chapter 6 Message Management


Purpose:

The client can automatically receive the push message sent from the platform, including system messages, announcement message and all types of alarm message.



The message push function must be supported by the connected platform, or it is unavailable on the client.

Steps:

1. Click the  tab to enter the message management interface. The message management interface appears by default when you log in the client.

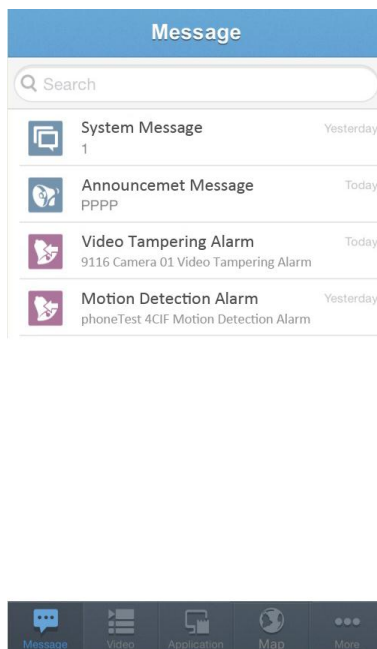


Figure 6-1 Message Management Interface

2. For the system message and announcement message, click to get the message list.
For the alarm messages of device, click to view the information of the alarm.
For the alarm messages of camera, click to view the information of the alarm, and you can also get the live view image or playback of the alarm related camera.

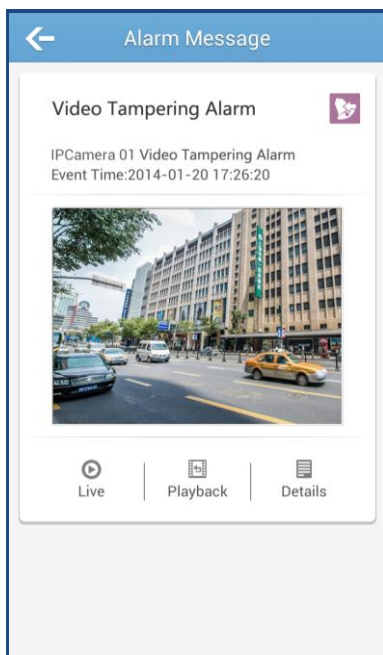



Figure 6-2 Details of the Alarm Message

3. The search function is provided; input the keyword in the corresponding textbox and then the result is shown in the message list.
4. When new messages are received, the number of new messages will be displayed on the upper-right corner of the message icon, as .

To refresh the message, pull down the message list and release. And the new message is marked by the red dot, as shown in the figure below.

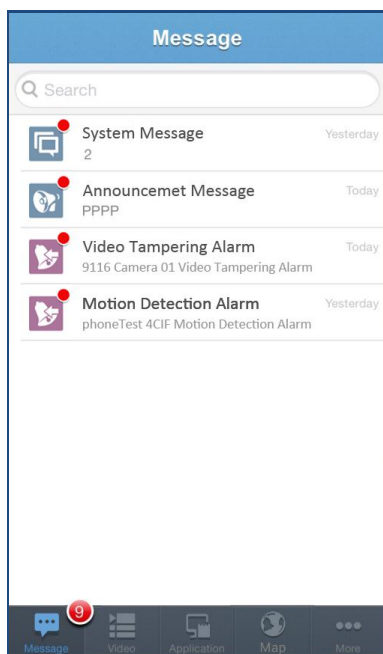


Figure 6-3 New Messages

5. Optionally, you can turn on/off the message push function on your demand by clicking the



icon to enter the interface of setting other functions, as shown in the figure below.

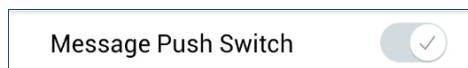



Figure 6-4 Message Push Switch

Chapter 7 Image Management

Steps:

1. Click the  tab and select the Image Management to enter the image management interface.

The images and recording files are listed by time.



Figure 7-1 Image Interface

2. Tap the image or video you want to preview.

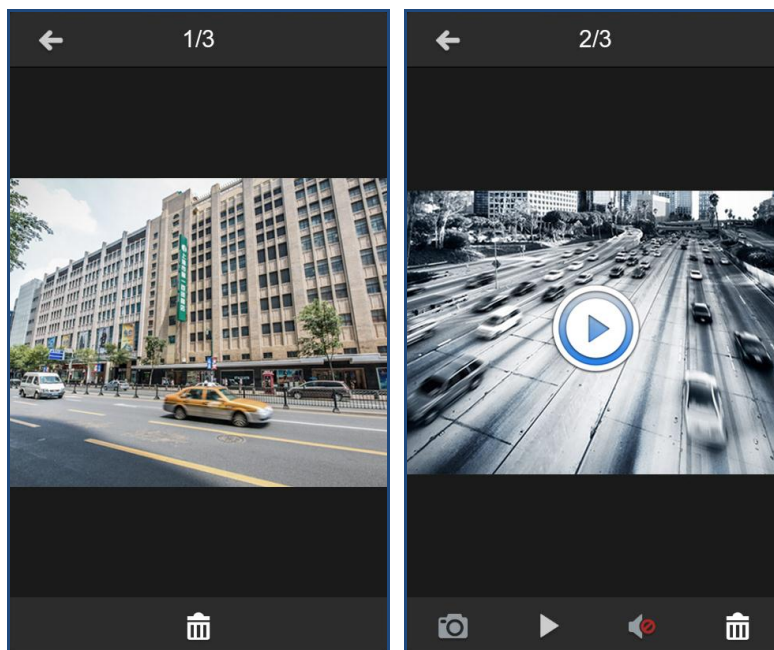



Figure 7-2 Image and Record Preview Interfaces





You can click the  icon on the bottom of the screen to delete the file.

3. For video files only, click  to play the record.




Figure 7-3 Record Playback Interface

Table 7-1 Description of Record Playback Control Bar

Icon	Description	Icon	Description
	Capture screen		Audio on/off
	Start/Pause		Delete the video

You can drag the cursor to locate the specific time.

4. (Optional) The batch deleting files is supported.

In the image management interface, click the  on the bottom of the screen. And tap to select the files, and click the **Delete** button to confirm.

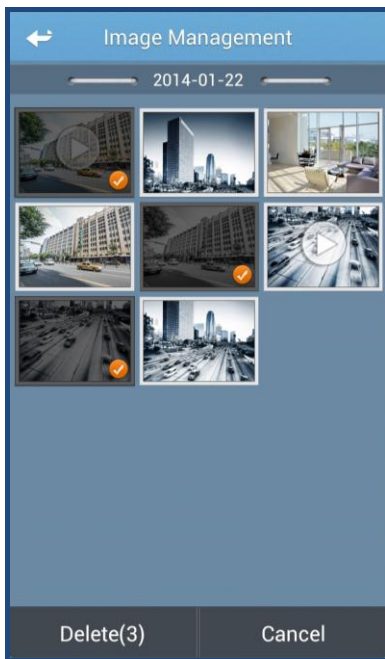


Figure 7-4 Batch Delete Files

Chapter 8 Other Functions

8.1 Application

Since the iVMS-5060 connects with industrial platforms mainly, you can see the applications of the industry through the interface, and the contents may be different according to the different platforms.


Click the  tab to get details.

8.2 Data Usage Statistics

Purpose:

When you get access to the platform via the 2G, 3G and 4G network, the mobile data usage will be recorded and you can view that of current day, current month and history

Steps:

1. Click the  tab to enter the interface of other functions.

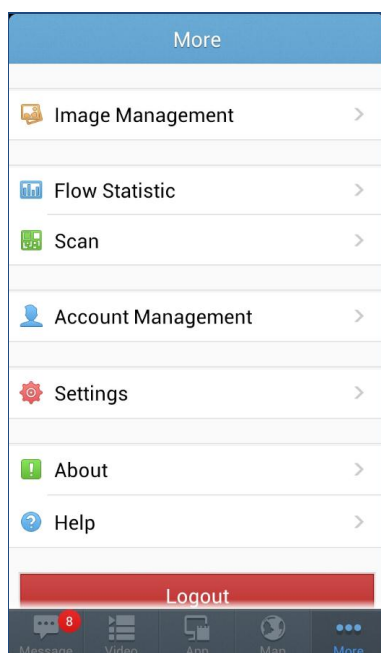


Figure 8-1 Interface of More Tab

2. Click the **Flow Statistic** button to view the data usage.

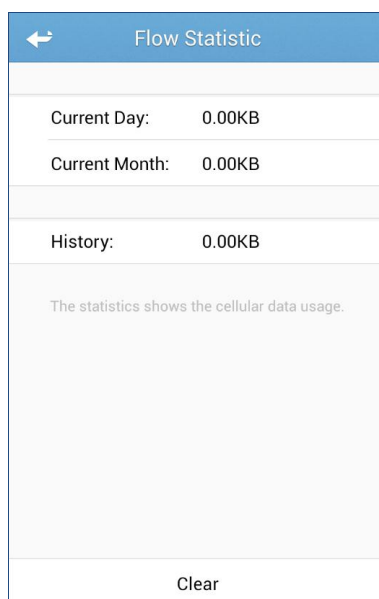


Figure 8-2 Interface of More Tab

8.3 Scan Code

Steps:



1. Click the  tab to enter the interface of other functions.
2. Click **Scan** to go to the code scan interface.



Figure 8-3 Interface of Scan Code

3. Place the QR code or the barcode in the rectangle and a web page will pop up to show the information of the code.

8.4 Changing Password



1. Tap the **Account Management** button in the interface of More tab, and tap **Change Password**.
2. Input the old password, new password and confirm password in the corresponding textfields.
3. Tap the  to save the settings.

8.5 Line Selection

Purpose:

When the amount of supported lines is greater than 1, you can select the access line on your demand.

Steps:


1. Click the **Line Selection** in the interface of More tab.
2. Select a line by clicking the corresponding  to .



You should log in again after selecting the line.


8.6 Help

Steps:

1. Click the  **More** tab to enter the interface of other functions, as shown in the Figure 8-1.
2. Click **Help** to get the tutorial of the software.

8.7 About

Steps:

1. Click the  **More** tab to enter the interface of other functions.
2. Click **About** to get the software information.

Appendix

Appendix 1 Error Code and Troubleshooting

Troubleshooting for N Class Error	
N122, N123, N124 and N125	<ol style="list-style-type: none"> 1. Please verify the network of your mobile device is connected. 2. Please verify the server is online.
N124, N140, N141 and N142	Verify the platform supports the mobile device access.
N170	Please verify the Stream Media Server is working.
N171	Please verify you have the control authentication of platform.
Troubleshooting for R Class Error	
R 1	<ol style="list-style-type: none"> 1. Restart the client software. 2. The performance of the mobile device is not enough, or the software is not compatible with the mobile device, please change one and try again.
R 3 and R13	Restart the client software.
R 12	Use the <code>getDeviceInfo</code> command and check if the return user name and password are empty.
R 14	<ol style="list-style-type: none"> 1. Restart the client software. 2. Close the other programs.
R 17	Use the <code>getRealPlayURL</code> command and check if the response rtsp address from the platform is correct.
R 18	<ol style="list-style-type: none"> 1. Verify the network between the stream media server and mobile network is connected. 2. Enter the More tab and verify the line selection is correct.
R 103, R 104, R 202, R203, R 302, R 303, R 402, R 403, R 502, R 503, R 602, R 603, R 702, R 703, R 802 and R 803	Poor network connection, please change a network or try later.
R 101, R 105, R 106, R 204, R 205, R 304, R 305, R 404, R 405, R 504, R 505, R 604, R 605, R 704, R 705, R 804 and R 805	The return signaling from the stream media server is incorrect, you may capture packages on the server and analyze the content.
R 903 and R 1001	<p>The port for getting stream of stream media server is blocked.</p> <ol style="list-style-type: none"> 1. Please verify the udp port is mapped; 2. Shutdown the firewall.

R 1103	The port for getting stream of stream media server is blocked. Please verify the tcp port is mapped; Shutdown the firewall.
--------	---

Appendix 2 Error Code Description

N Class Error Code and Description (for interaction with CMS mainly)	
N100	Inputting parameters error.
N120	Creating url object failed.
N121	Creating request object failed.
N122	http request timeout.
N123	http request exception.
N124	The response content of http request is not "Successful".
N125	The response content of http request is empty.
N140	Creating data doc object failed.
N141	Getting root node failed.
N142	Analyzing response status code and description failed.
N160	Data is not found.
N161	No enough parameters or the parameters are incorrect when getting the URL from the platform.
N162	Session error.
N163	User is not found.
N164	The password is incorrect.
N165	The device is not found.
N166	The camera is not found.
N167	The line is not found.
N168	The control center is not found.
N169	The area is not found.
N170	The stream media server is not enabled.
N171	No permission.
N172	The recording file is not found.
N173	The user is blocked.
N174	The user is already logged in.
N175	The function is not supported by the platform.
N199	Unknown error.
N200	Server exception.
R Class Error Code and Description (for interaction with SMS mainly)	
R 1	HPR initializing failed.
R 2	Message queue starting failed.
R 3	RtspClient initializing failed.
R 4	Unsupported protocol.

R 5	Call-back parameter is empty.
R6	Creating Rtsp engine failed.
R7	No more than 32 rtsp engines can be allocated.
R8	Invalid engine ID.
R9	The engine is not found.
R10	The engine is empty.
R11	The start time is empty.
R12	The device name or password is empty.
R13	Incorrect basic port number.
R14	Memory allocating failed.
R15	Uninitialized engine.
R16	MAG or VTDU4.0 does not support rtp or tcp.
R17	Incorrect rtsp address.
R18	Connecting stream media server failed.
R19	Not playing.
R101	Describe redirecting failed.
R102	Creating Describe signaling failed.
R103	Sending Describe signaling failed.
R104	Receiving Describe signaling failed.
R105	The response content of Describe signaling is not "Successful"
R106	Describe analyzing failed.
R201	Creating Setup signaling failed.
R202	Sending Setup signaling failed.
R203	Receiving Setup signaling failed.
R204	The response content of Setup signaling is not "Successful".
R205	Analyzing Setup failed.
R301	Creating Play signaling failed.
R302	Sending Play signaling failed.
R303	Receiving Play signaling failed.
R304	The response content of Play signaling is not "Successful".
R401	Creating change bitrate signaling failed.
R402	Sending change bitrate signaling failed.
R403	Receiving change bitrate signaling failed.
R404	The response content of change bitrate signaling is not "Successful".
R501	Creating force I frame signaling failed.
R502	Sending force I frame signaling failed.
R503	Receiving force I frame signaling failed.
R504	The response content of force I frame signaling is not "Successful".
R601	Creating random location signaling failed.
R602	Sending random location signaling failed.
R603	Receiving random location signaling failed.
R604	The response action of random location is not "Successful".
R701	Creating pause signaling failed.

R702	Sending pause signaling failed.
R703	Receiving pause signaling failed.
R704	The response content of pause signaling is not "Successful".
R705	Not in the pause status.
R801	Creating restore signaling failed.
R802	Sending restore signaling failed.
R803	Receiving restore signaling failed.
R804	The response content of restore signaling is not "Successful".
R901	Creating RtpUdp engine failed.
R902	Initializing RtpUdp engine failed.
R903	Starting RtpUdp engine failed.
R1001	Creating RtcpUdp engine failed.
R1002	Initializing RtcpUdp engine failed.
R1003	Starting RtcpUdp engine failed.
R1101	Creating RtpTcp engine failed.
R1102	Initializing RtpTcp engine failed.
R1103	Starting RtpTcp engine failed.
R1201	Creating RtpRtsp engine failed.
R1202	Initializing RtpRtsp engine failed.
R1203	Starting RtpRtsp engine failed.



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