DMVS2 User`s Manual

(iPhone Use)



Mobile Client Software

Version. D1127

Thank you for purchasing our product. This manual applies to ***DMVS2*** (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

Guarding Expert V3.1 mobile client software, which is designed for iPhone on the basis of iOS (Version 4.3 or higher), can be used to remotely monitor the live video from embedded DVR via wireless network, play back record files, control alarm output and realize PTZ control as well.

With this software installed in your iPhone, you are able to log onto the front-end device via Wi-Fi or 3G; besides, if there is no public IP available for the device, it's accessible by using a dynamic domain name, or by mapping ports to the public IP of router.

Notes:

1. Wi-Fi or 3G access service must be supported by the iPhone.
2. Network traffic charges may be produced during the use of this client software. Please refer to the local ISP.

1.2 System Requirements

iOS 4.3 or higher version, including iPhone4, iPhone4S and iPhone5 series products.

1.3 Conventions

In order to simplify the description, we define the "DMVS2 mobile client software" as "software" and "DVR " as "device" in the following chapters.

Chapter 2 Installing and Uninstalling the Software

2.1 Installing the Software

Steps:

1. Log onto the **App Store**.
2. Enter "***DMVS2***" to search the mobile client software.
3. Download and install it to your iPhone.
4. After having installed the software successfully, you can click  icon to start the software.

2.2 Uninstalling the Software

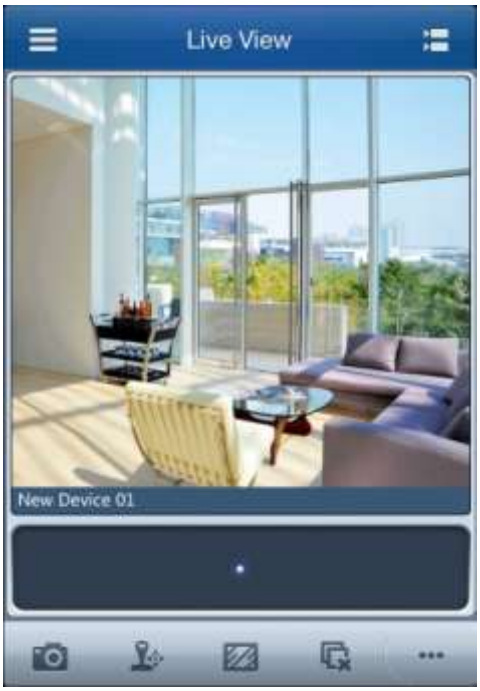
Click and hold the  icon in the program list until it changes to . Click  to uninstall the mobile client software.

Chapter 3 Running the Software

After having installed the software successfully, click  icon to run the software.

3.1 Interfaces Introduction

The software has four main functions, including Live View, Remote Playback, Device Management and Configuration.



You can click  to activate the main menu.



Description of Main Menu

Menu	Descriptions
Live View	Live view, PTZ control, alarm outputs management, etc.
Remote Playback	Play back the recorded files.
Devices	Display device list, add/delete/modify device, view device information, etc.
Configuration	Configure password protection, software update and email feedback. View software's version information, quick operation guide and main features.

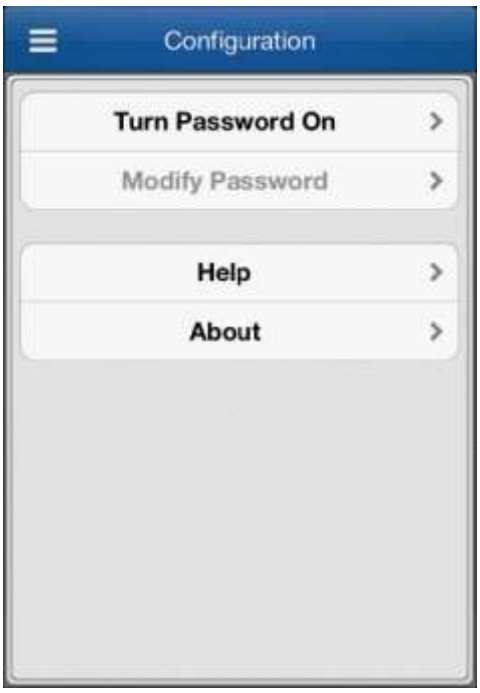
3.2 Password Protection

With the password protection enabled, then only the user that has the password can access the software.

Task 1: Enable Password Protection

Steps:

1. Click and select to enter the Configuration interface.



2. Click **Turn Password On** to enter the password settings interface.



3. Enter the password for the software and confirm it to activate the password protection.

Next time, if you want to run the software after exit, you need to enter the password to log in first.



Task 2: Modify the Password

Click **Modify Password** and enter corresponding information to modify the password.



Task 3: Disable Password Protection

Steps:

1. Click **Turn Password Off** to disable the password protection.
2. Enter the password to confirm the settings.
3.



Chapter 4 Device Management

4.1 Adding a Device

You need to add a device firstly that all operations such as live view, playback and device management can be accessible.

Notes:

The 

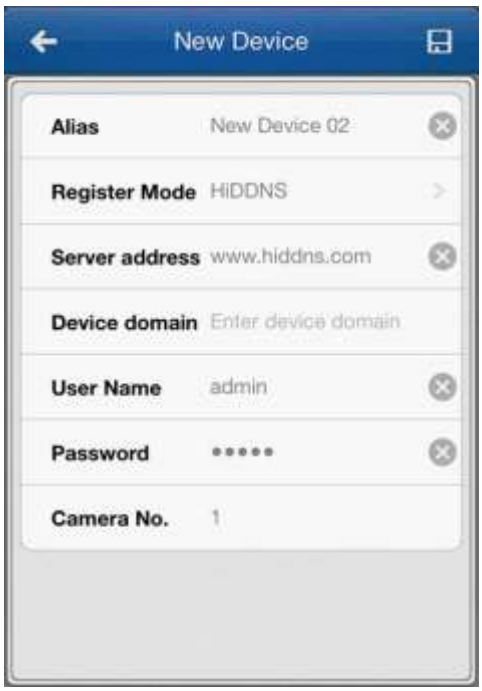
is a demo added by default when you run the software for the first time. You can view the live video (refer to *Chapter 5*) and play back the record files (refer to *Chapter 6*) of the demo. And you can also modify the demo (refer to *Chapter 4.2*) or remove the demo (refer to *Chapter 4.3*).

Steps:

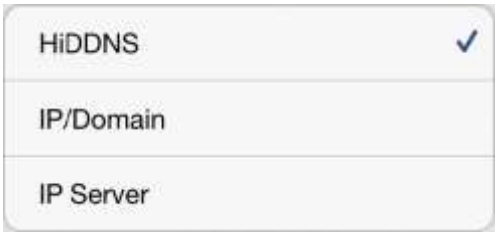
1. Click  and select  to enter the Device Management interface.



2. Click  to add a new device.



3. Edit the device name in the **Alias** field.
4. Click the **Register Mode** item to select the register mode of the device to HiDDNS, IP/Domain, or IP Server, and configure the corresponding settings.
   HiDDNS: When the device is registered on the HiDDNS server, you need to enter the HiDDNS server address and the device domain name registered on the server.
   IP/Domain: You can access the device through fixed IP address or domain name. You need to edit the IP address or domain address and the port of the device.
   IP Server: You can access the device through IP Server. You need to set the IP Server address, and device identifier which is the device name or device serial No..



5. Enter the login user name and password of the device to be added.
6. Click  to confirm the settings.

Note:

1) If the device is successfully added, the software can obtain the camera information of the device.
2) Up to 100 devices can be added.
3) You can click **Start live view** to live view the newly added device. Please refer to *Chapter 5* for detailed operation about live view.



Click  to return to the Device Management interface. The successfully added new device will be displayed in the Device Management interface.

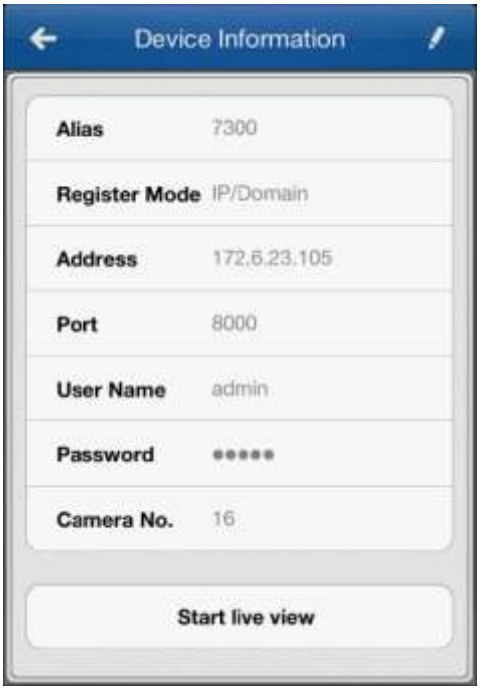


4.2 Modifying a Device

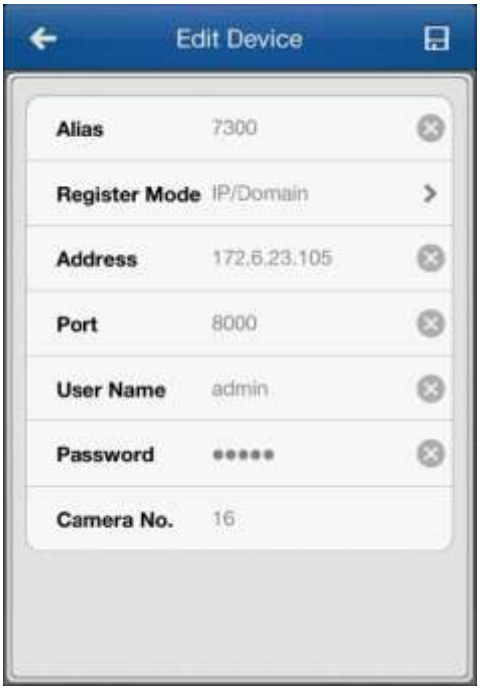
Steps:

1. In the Device Management interface, select a device and click the device item to

view its parameters.



2. Click and then you can modify the parameters of the device according to actual needs.



3. Click to save the modification.

4. Click to return to the Device Management interface.

4.3 Deleting a Device

In the Device Management interface, select a device and slide the item to access the Delete button. Click Delete to delete the selected device.



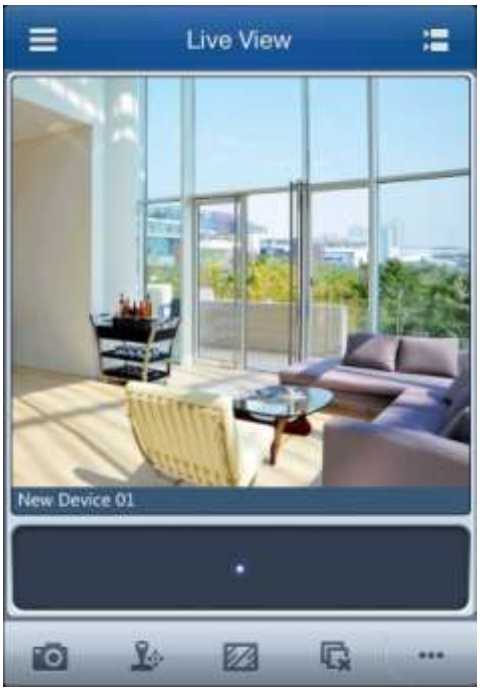
Chapter 5 Live View

After the device is successfully added, you can view live video from the devices, manage the alarm output of the device and control PTZ movement as well.

Notes:

The alarm output and PTZ control should be supported by the added device.

Click  and select  to enter the Live View interface. The screen will be displayed in 1-division mode by default.



Description of Icons:

Icons	Descriptions	Icons	Descriptions
	Capture picture of the selected live view window		PTZ control
	Set image quality to Clear, Balanced, Fluent or Customized		Stop all the live view
	Start/stop two-way audio		Enable/disable alarm output management
	Mote/Audio on		Digital zoom

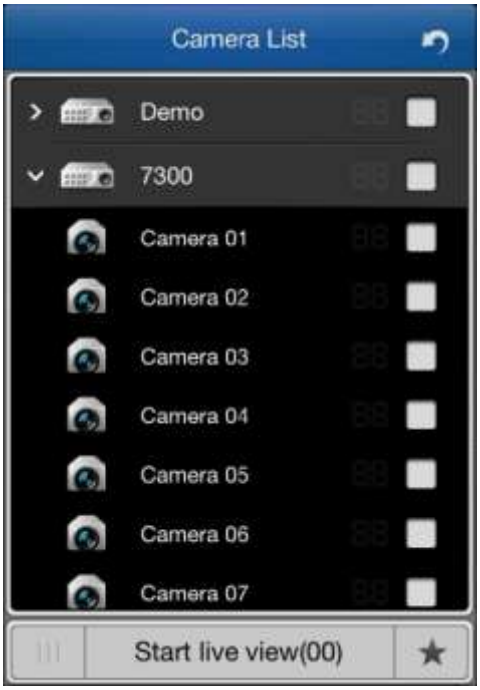
Notes: You can click  to show the hidden icons and click  to hide them.

Start Live View

Steps:

1. Click  to display the added device list. Click a device node to list all the cameras under it.

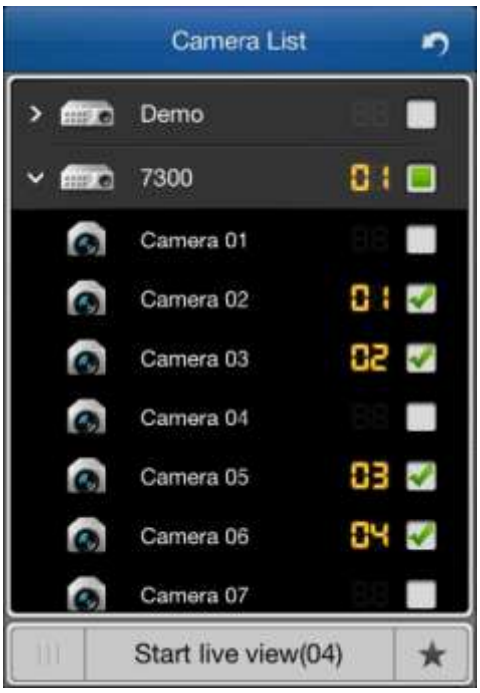
Note: The name of the camera under the device is obtained from the device.



2. Check ☐ checkbox in the device item to select all the cameras under it, or check ☐ checkbox in the camera litem to select the specific camera as desired.

Note:

1) If the channel-zero is supported by the device and it has been configured, you can select to live view by channel-zero.
2) The number (e.g. ) indicates the displaying window No..
3) If there is only one channel under the device, the icon of the device shows as . Otherwise, it shows as .



3. Click Start live view to start live view of the selected camera(s). Or you can click  to return to the Live View interface.

Notes: Up to 16 cameras can be selected for live viewing at the same time.



Favorites Configuration

You can add the commonly used camera(s) to the favorites so that you can access the camera(s) conveniently.

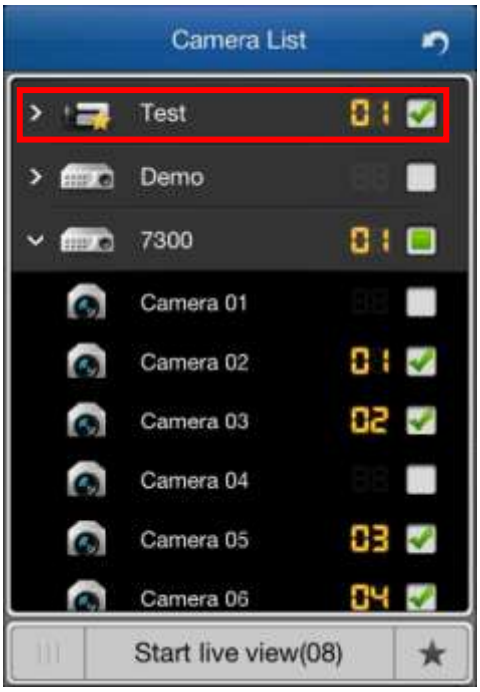
Steps:

1. Perform the *Step 1* and *Step 2* of *Start Live View* to select the camera(s).
2. Click ★ to add the camera(s) to the Favorites.
3. In the pop-up dialog box, enter the name for the favorites.



4. Click Confirm to save the settings.

The successfully added favorites will be shown in the device list area.



Capture

In live view mode, select a live viewing window and click the to capture a picture.

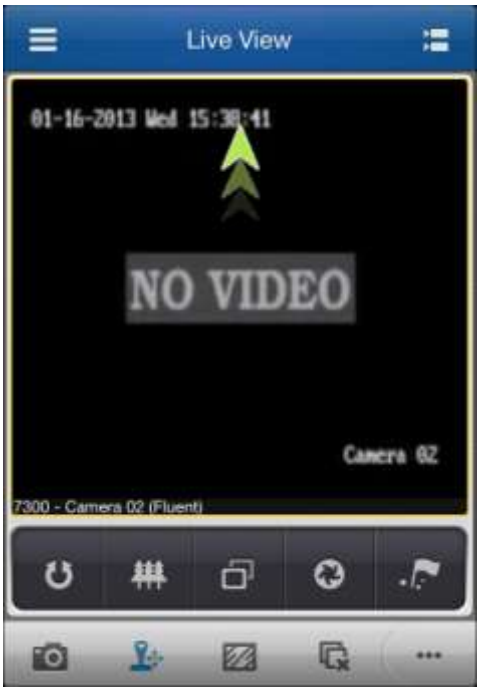
Notes: The captured pictures are saved in the *photo* folder of your iPhone by default. You can access the directory to view or delete the pictures.

PTZ Control

In live view mode, select a playing window and click to activate PTZ control panel, and the icon changes to .

Notes: The PTZ control should be supported by the added device.

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.



Description of Icons

Icons	Descriptions	Icons	Descriptions
	Zoom+		Zoom-
	Focus+		Focus-
	Iris+		Iris-
	Start / stop the auto-scan.		Set and call the preset.

Notes: Click to activate the and buttons; click to activate the and buttons; click to activate the and buttons.

Setting a Preset

Steps:

1. In the PTZ control mode, slide on the live view window to move the camera to the desired scene.
2. Click to access the following dialog box.



3. Slide the number area to set the preset No..

   Note: The preset No. should be between 1 and 256.

4. Click Set to finish the preset settings.

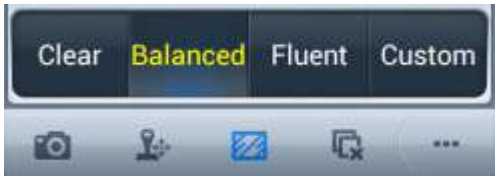
Calling a Preset

For the programmed preset, you can slide to set the preset No. in the dialog box and click Call to call it.

After completion of PTZ control, click to hide the PTZ control panel.

Image Quality

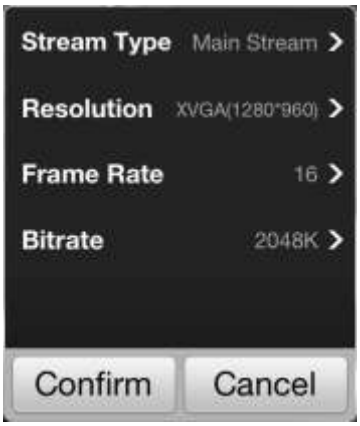
There are three defined image quality types provided, including Clear, Balanced and Fluent. And you can also customize the image quality. Click to adjust the quality according to the performance of your network and phone hardware.



Customize the Image Quality

Steps:

1. Click Custom to activate the customized panel shown below.



2. Configure the parameters according to actual needs, including Stream Type, Resolution, Frame Rate and Bitrate.
3. Click Confirm to save the settings.

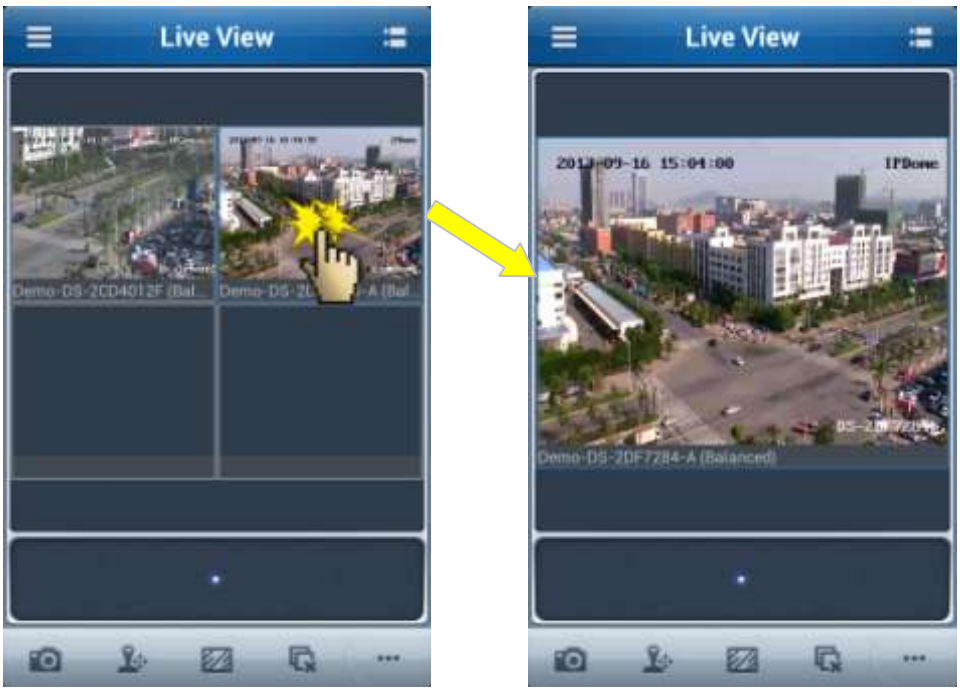
Notes: The live view effect is related to the performance of your network and phone hardware. If the live view is not fluent or the screen appears blurred, please reduce the resolution, frame rate and bitrate of the camera in Custom mode, or set the image quality as Balanced or Fluent mode.

The following table shows the recommended frame rate and bitrate configuration for different resolution at H.264 video compression.

Resolution	1-ch	2-ch	3-ch	4-ch	Recommended Configuration
HD1080P	√				Frame rate: 4fps; Bitrate: 1024Kbps
UXGA	√				Frame rate: 4fps; Bitrate: 1024Kbps
HD900P	√				Frame rate: 6fps; Bitrate: 1024Kbps
SXGA	√				Frame rate: 10fps; Bitrate: 1024Kbps
XVGA	√				Frame rate: 15fps; Bitrate: 1024Kbps
HD720P	√				Frame rate: 15fps; Bitrate: 1024Kbps
XGA	√				Frame rate: 20fps; Bitrate: 1024Kbps
WD1	√				Frame rate: 25fps; Bitrate: 1024Kbps
SVGA	√				Frame rate: 25fps; Bitrate: 1024Kbps
4CIF	√	√			Frame rate: 25fps; Bitrate: 1024Kbps
VGA	√	√			Frame rate: 25fps; Bitrate: 512Kbps
2CIF	√	√	√	√	Frame rate: 25fps; Bitrate: 512Kbps
CIF	√	√	√	√	Frame rate: 25fps; Bitrate: 256Kbps
QVGA	√	√	√	√	Frame rate: 25fps; Bitrate: 128Kbps
QCIF	√	√	√	√	Frame rate: 25fps; Bitrate: 128Kbps

Window Division

When multiple cameras are under live view, they are 4-division mode by default. You can double-click the live view window to display the camera in 1-division mode and double-click again to restore.



When there are multiple pages of playing windows, you can slide the screen to go to the next or previous page.



Stop Live View

During the live view, you can click to stop live view of all cameras.

Or you can perform the following steps to stop live view of the specific camera.

Steps:

1. Click and hold the live view window.
2. Drag the window upwards, and the icon shows on the top of the window.

3. Drag the window to the until it changes to and then release the window.



Alarm Output Management

You can control the alarm outputs of the added device by the software.

Notes: The alarm output should be supported by the device.

Steps:

1. Click to access the hidden icons.
2. Click to activate the alarm output management panel.



3. Select an alarm output and click it to set it as to enable this alarm output. You can also click the enabled alarm output to set it as to disable it.

Digital Zoom

You can realize the partial digital zoom during live view.

Steps:

1. Click to select a playing window.
2. Click  to access the hidden icons.
3. Click  and the selected window will be display in 1-division mode.



4. Spread two fingers apart to zoom in or pinch them together to zoom out the live view.

Full-screen Live View

During live view, you can rotate the iPhone to enter the full-screen mode. You can press and drag the toolbar to adjust its position.

Notes: Please release the rotation lock of the iPhone to realize this function. You can touch the screen to activate the control panel after it hides.



Description of Icons

Icons	Descriptions	Icons	Descriptions
	Capture picture of the selected live view window		PTZ control
	Set image quality		Stop all the live view
	Start / Stop two-way audio		Manage alarm output
	Mute / Audio on		Digital zoom

Chapter 6 Playback

You can search the recorded video files from the added device for playback.

Start Playback

Steps:

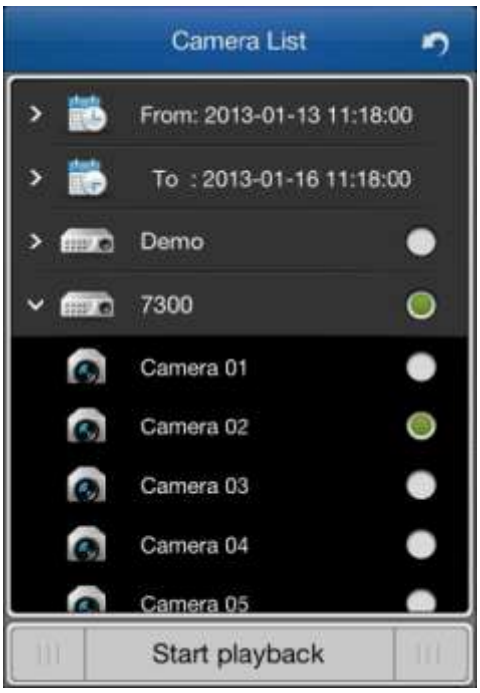
1. Click  and select  to enter the Remote Playback interface.



2. Click  to display the added device list.
3. Set the start time and end time in the **From** and **To** field to define the search condition.
4. Select a device node and click to list all the cameras under it.
5. Check  checkbox in the camera item to select a camera for playback.

Note:

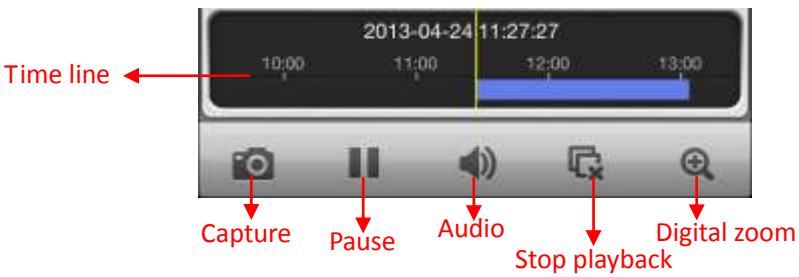
1) If you check  checkbox in the device item, then the first camera of the device is selected for playback.
2) Only the camera with record during that period can be played back successfully.



6. Click Start playback to start playback.



7. You can slide the time line bar to adjust the playback time.
8. You can also click ⏸ to pause the playback.



Stop Playback

You can click  to stop the playback.

Or you can perform the following steps to stop the playback.

Steps:

1. Click and hold the playback window.
2. Drag the window upwards, and the  icon shows on the top of the window.
3. Drag the window to the  until it changes to  and then release the window.



Digital Zoom

You can realize the partial digital zoom during playback of video files.

Click  and then spread two fingers apart to zoom in or pinch them together to zoom out the video.



Capture

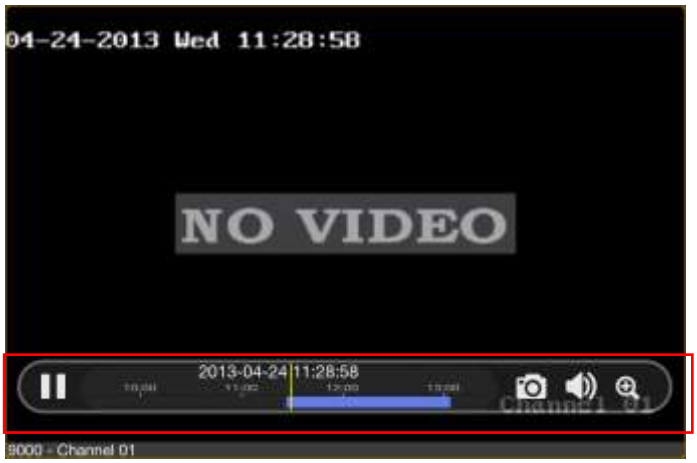
During the playback, you can click to capture pictures of the playback window.

Notes: The captured pictures are saved in the *photo* folder of your iPhone by default. You can access the directory to view or delete the pictures.

Full-screen Playback

During playback, you can rotate the iPhone to enter the full-screen mode. You can press and drag the toolbar to adjust its position.

Notes: Please release the rotation lock of the iPhone to realize this function. You can touch the screen to activate the control panel after it hides.



Description of Icons

Icons	Descriptions	Icons	Descriptions
	Pause the playback		Capture picture of the playback window
	Mute/Audio on		Digital zoom

Chapter 7 Others

Update the Software

When there is a new version available in the **App Store**, the software will prompt you to update the software. You can confirm to update the software immediately. You can also cancel it and perform the following steps to update the software next time as desired.

Steps:

1. Click  and select  to enter the Configuration interface.
2. Click **About** to enter the About interface.



3. If the *New* is in the **Software Update** item, click **Software Update** to activate the software update dialog box.
4. Click Confirm to confirm updating the software and enter **App Store** to update the software.

> ***Note:*** The *New* displays when there is a new version available in the **App store**.

New Features and Help

In the About interface, click **New Features** to view the main features of the software.

In the Configuration interface, click **Help** and you can enter the Help interface. You can view the quick operation guide of the software.



Feedback

If there is any problem or suggestion when you use the software, please feel free to send emails to us by clicking Feedback in About interface. Our technical engineers will handle your problems and suggestions as soon as possible.

Appendix

Version History

V 3.1

Added New Features:

1. Support audio control.
2. Support email feedback.
3. Support digital zoom.

V 3.0

Added New Features:

4. New designed GUI provides convenient operations.
5. iPhone5 is supported.
6. Up to 16-ch synchronous live view.
7. Support live view by page.
8. Support live viewing channel-zero.
9. Optimize the playing performance.
10. Display the quick operation guide and main features of the software.
11. Check new version automatically.
12. Image quality configurable during live view mode.
13. Alarm outputs management.
14. Password protection.

Modified:

1. Optimize PTZ control.
2. Delete the Alarm Management settings.
3. Delete the channel configuration.
4. Cancel the registration when logging in for the first time.

Troubleshooting

- ***What kinds of devices are compatible with Guarding Expert (iPhone) mobile client software?***

  The devices which adopt H.264, MPEG4 or MJPEG video compression are compatible with this software.

- ***Why does the mobile client software prompt 'login failed' when access to the device via Wi-Fi?***

  Please check whether the Wi-Fi parameters are configured properly in your iPhone.

- ***After starting viewing the live 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 iPhone, please try to view fewer cameras at the same time or decrease the frame rate and resolution. Please refer to *Image Quality* in *Chapter 5 Live View*.