



GV-Eye Mobile App.

Contents

GV-Eye	2
1.1 Specifications	2
1.2 Supported GV-IP Devices and Software	3
1.2.1 Supported Products	3
1.2.2 Supported Products for Monitoring Activation	4
1.2.3 Supported Products for Assigning NAS Storage Path	4
1.3 Installing GV-Eye	5
1.4 Main Page	6
1.5 Connecting to GV-IP Devices and Software	7
1.5.1 Automatic Connection	7
1.5.2 Manual Connection	11
1.6 Live View	13
1.7 Playing Back Recordings	17
1.8 Edge Settings	18
1.8.1 Changing IP Address	20
1.8.2 Changing Device Name	21
1.8.3 Assigning Storage Path	22
1.8.4 Monitoring HDD Storage	24
1.9 System Settings	25
1.10 Fisheye Dewarp	27



GV-Eye

Use GV-Eye to monitor remote sites from your iOS or Android devices. With GV-Eye, you can watch multiple live views, play back recordings, trigger a remote output and take snapshots from your mobile device.

1.1 Specifications

Supported OS	iOS 8 ~ 9.1 ; Android 4.0 ~ 5.1.1
Supported Version	GV-Eye V2.2 for iOS GV-Eye V2.2 for Android
Default Port Settings	GV-IP devices (VSS Port): 10000 GV-Recording Server/Video Gateway Server: 11000 GV-Mobile Server: 55000 GV-VMS: 56000 GV-DVR/NVR: 56000 GV-SNVR: 10000
Codec	MPEG4, MJPEG and H.264
Resolutions	Up to 12 MP (4000 x 3000)
Functions	Live View, PIP (Picture-in-picture), Fisheye Dewarp (optional), PTZ Control & Preset, Remote Playback, I/O Output trigger, Snapshot, 2-Way Audio, Stream Switching, Device Search, Hardware Decoding
Note: <ol style="list-style-type: none"> Hardware decoding is only supported by devices using Android 4.1 or later and that contain a GPU (graphic processing unit). Access is only allowed for Admin users. By default, GV-Eye connects to stream 2 of any GV-IP device, which is in H.264 codec and CIF resolution. Fisheye Dewarp is an optional and a paid service. For details, see <i>1.10 Fisheye Dewarp</i>. The GV-Eye is only compatible with GV-DVR/NVR of version 8.6 or later. 	



1.2 Supported GV-IP Devices and Software

GV-Eye is compatible with the following GV-IP devices and video management software.

Note: To upgrade your GV-IP devices to the latest firmware, please visit http://www.geovision.com.tw/english/5_3.asp.

1.2.1 Supported Products

GV-IP Camera

- **GV-BL110D, GV-BX110D, GV-MFD110, GV-FE110/111 and GV-PT110D** (Firmware V1.01 or later)
- **GV-PTZ010D** (Firmware V1.09 or later)
- **GV-SD220/220S and GV-SD010/010S** (Firmware V1.02 or later)
- **GV-Target IP Cameras** (Firmware V1.01 or later)
- **Other GV-IP Cameras** (Firmware V2.11 or later)

Note: GV-SD200 and GV-SD200S are not supported.

GV-Compact DVR

- **GV-Compact DVR V2** (Firmware V1.10 or later)
- **GV-LX4C3 Series 4-Ch Compact DVR V3** (Firmware V1.04 or later)
- **GV-LX8C Series 8-Ch Compact DVR V3** (Firmware V1.02 or later)

GV-Video Server

- **GV-VS04A** (Firmware V1.06 or later)
- **GV-VS11** (Firmware V1.03 or later)
- **GV-VS12** (Firmware V1.07 or later)
- **GV-VS14** (Firmware V1.01 or later)

Surveillance System

- **GV-SNVR0400F** (Firmware V1.00 or later)
- **GV-SNVR1600** (Firmware V1.00 or later)



Video Management Software

- **GV-Mobile Server** (V1.3 or later)
- **GV-Recording Server** (V1.22 or later)
- **GV-Video Gateway** (V1.22 or later)
- **GV-VMS** (V14.10 or later)
- **GV-DVR/NVR** (V8.6 or later)

1.2.2 Supported Products for Monitoring Activation

GV-IP Camera

- **GV-BL110D, GV-BX110D, GV-MFD110, GV-FE110/111 and GV-PT110D** (Firmware V1.01 or later)
- **GV-PTZ010D** (Firmware V1.09 or later)
- **GV-SD220/220S and GV-SD010/010S** (Firmware V1.02 or later)
- **GV-Target IP Cameras** (Firmware V1.01 or later)
- **Other GV-IP Cameras** (Firmware V2.11 or later)

Note: GV-SD200 and GV-SD200S are not supported.

GV-Video Server

- **GV-VS11** (Firmware V1.03 or later)
- **GV-VS12** (Firmware V1.07 or later)
- **GV-VS14** (Firmware V1.01 or later)

Video Management Software

- **GV-VMS** (V15.10 or later)

1.2.3 Supported Products for Assigning NAS Storage Path

GV-IP Camera

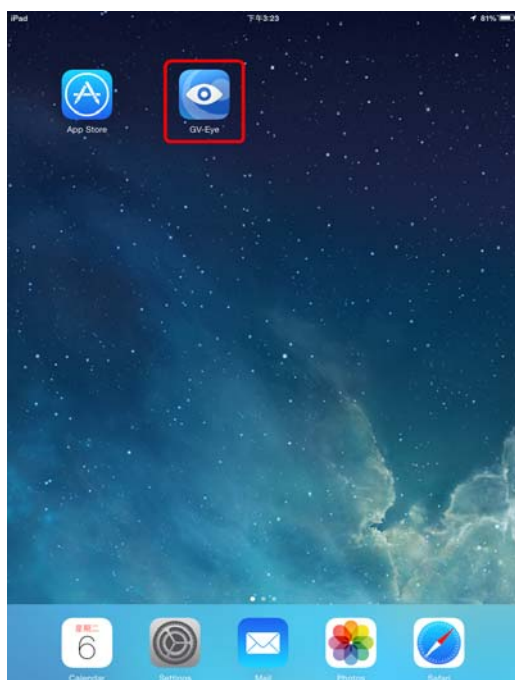
- **GV-Target IP Cameras** (Firmware V1.02 or later)
- **Other GV-IP Cameras** (Firmware V3.0 or later)



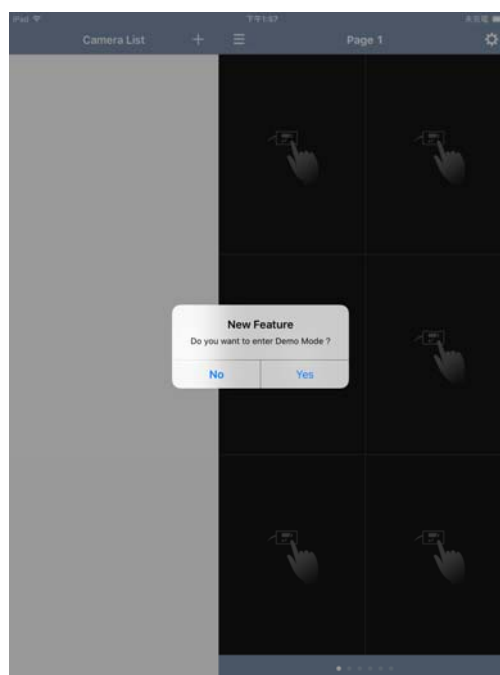
1.3 Installing GV-Eye

You can download GV-Eye from the **App Store** or **Android Market** and install the application. The GV-Eye icon appears on the desktop of your mobile device.

Tap to open the app. Upon the first launch, you will be directed to a dialogue box to enable or disable **Demo Mode** (see *1.9 System Settings*). Select **Yes** to enable **Demo Mode** for trial experience of GV-Eye features. Select **No** to disable **Demo Mode** and connect your GV-IP devices and software with the app.



GV-Eye icon on iPad

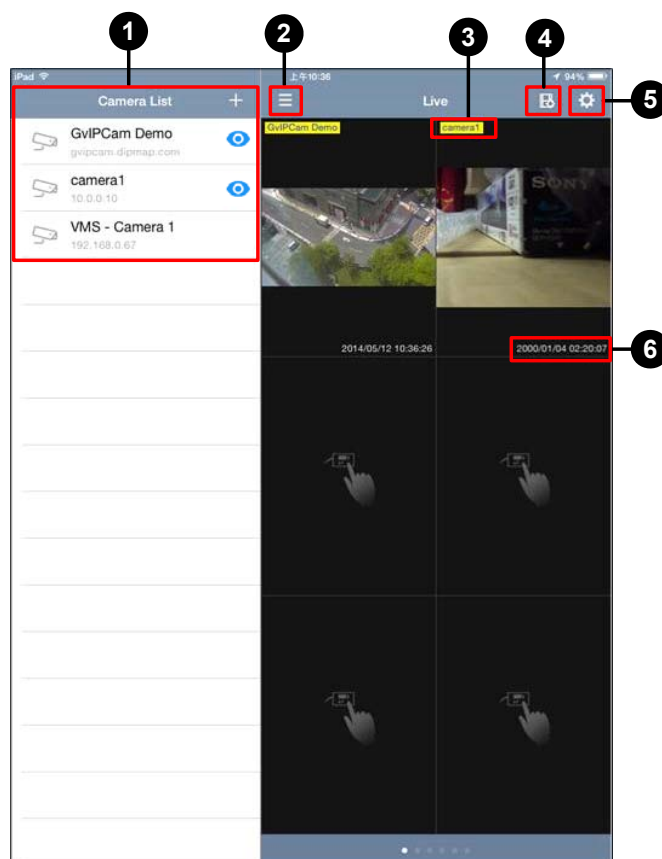


Dialogue Box of Demo Mode on iPad



1.4 Main Page

Tap the GV-Eye icon on the desktop of your device. The GV-Eye main page appears. iPad screenshot is used as an example.



No.	Name	Function
1.	Camera List	Adds and removes connections to GV-IP devices and software. For details on adding a camera, see <i>Connecting to GV-IP Devices and Software</i> in this installation guide.
2.	Full Screen	<u>iPads and Android Tablets</u> : Opens and closes the Camera List. <u>iPhones, iPod Touch and Android Phones</u> : Opens the Camera List.
3.	Device Name	Shows the device name. The icon shows red when the recording is enabled.
4.	Edge Setting	Configures IP address and recording storage path of the device.
5.	Settings	Tap this button to access the GV-Eye settings. For details, see the <i>Settings</i> section later in this installation guide.
6.	Device Time	Shows the device time.

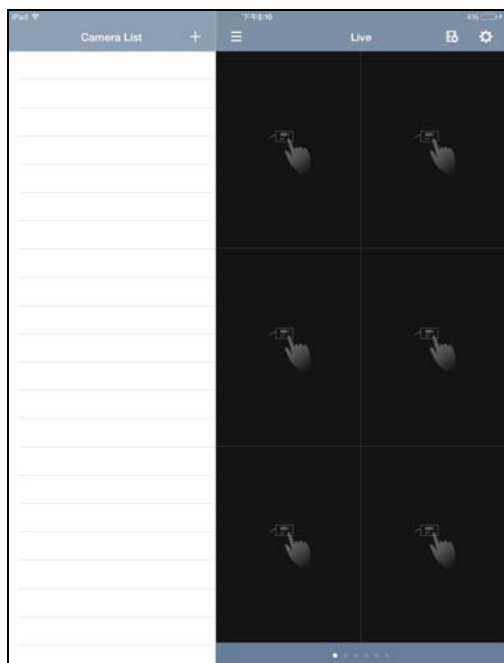


1.5 Connecting to GV-IP Devices and Software

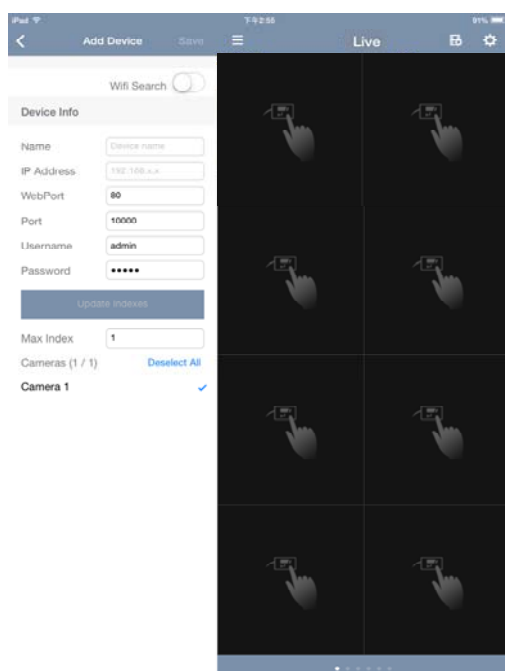
Follow the steps below to connect your mobile device to GV-IP devices and software. **iPad** screenshots are mainly used as examples.

1.5.1 Automatic Connection

1. Click the **GV-Eye** icon  on the desktop of your mobile device. This page appears.

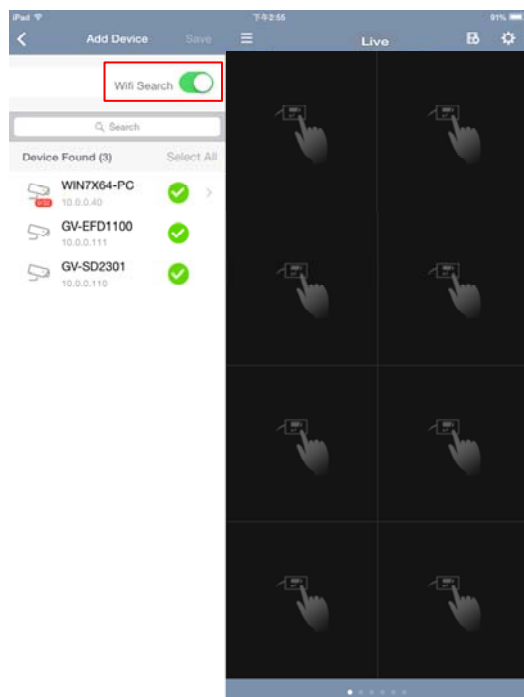


2. Tap the **Add** button . This page appears.

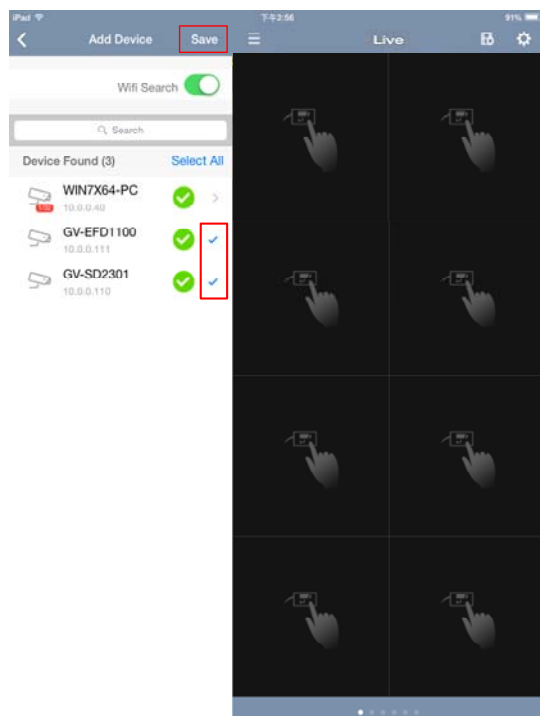




3. Enable **WiFi Search** to detect any GeoVision IP devices and software under the same LAN.



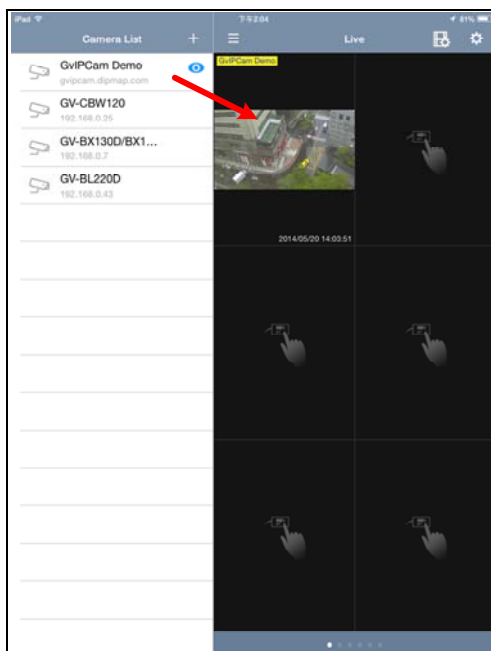
4. Select desired devices and software and tap **Save**.



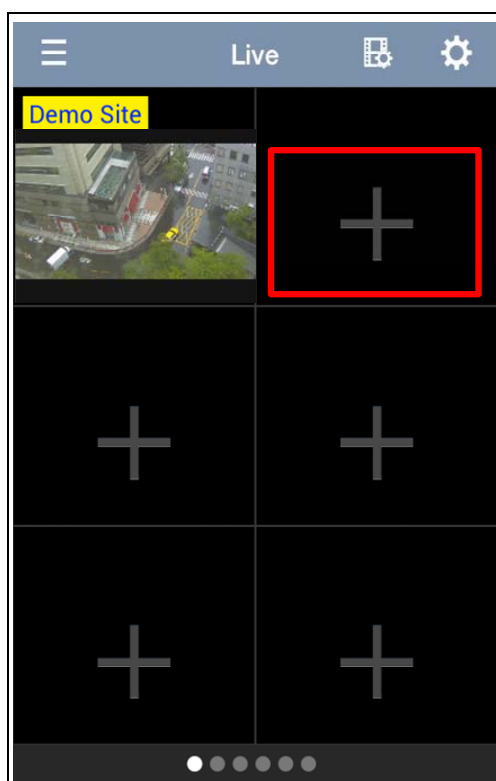


5. To display a camera live view, follow the steps below.

- On iPads and Android tablets, tap and drag the camera from the Camera List to the live view grid you want.

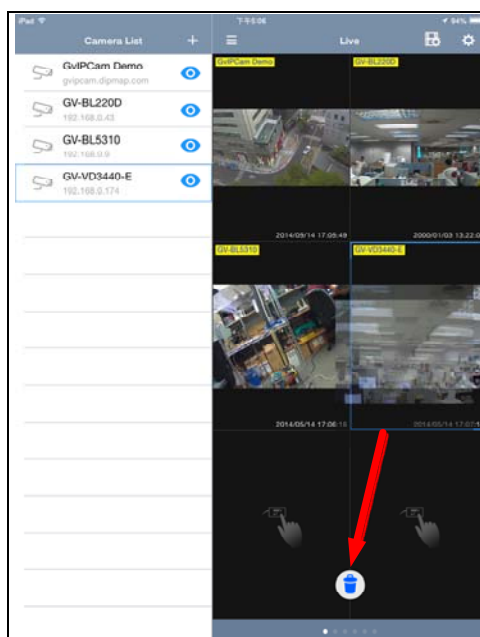


- On iPhones and Android phones, tap the + sign on the live view grid you want and select a camera from the popped-up Camera List.

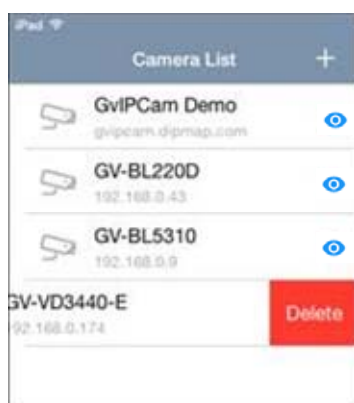




- To disconnect a live view, tap and hold the live view and drag the live view into the trash can icon.



- To remove an entry from the Camera List, glide the entry to the left and tap **Delete**.



Tip: To remove all the entries on the Camera List, tap **Delete All Entries on Camera List** from the Settings page. For details, see [1.9 System Settings](#).

- To change the device information, tap the entry from the Camera List to modify. The modified camera will be reconnected after you save the settings.

Note: You can assign up to 96 channels on the live-view pages, but access only 16 channels of live views on a single page at the same time.






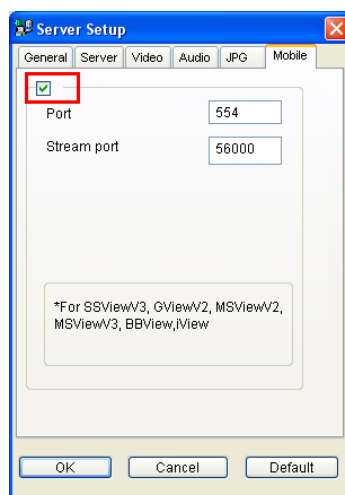
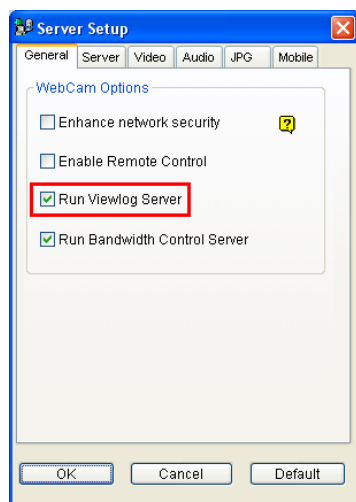
1.5.2 Manual Connection

1. Follow Step 1 to 2 in *1.5.1 Automatic Connection* to access the Add Device page.
2. On the Add Device page, enter the IP address, port number, username and password of the GV-IP device or software and enter a name.



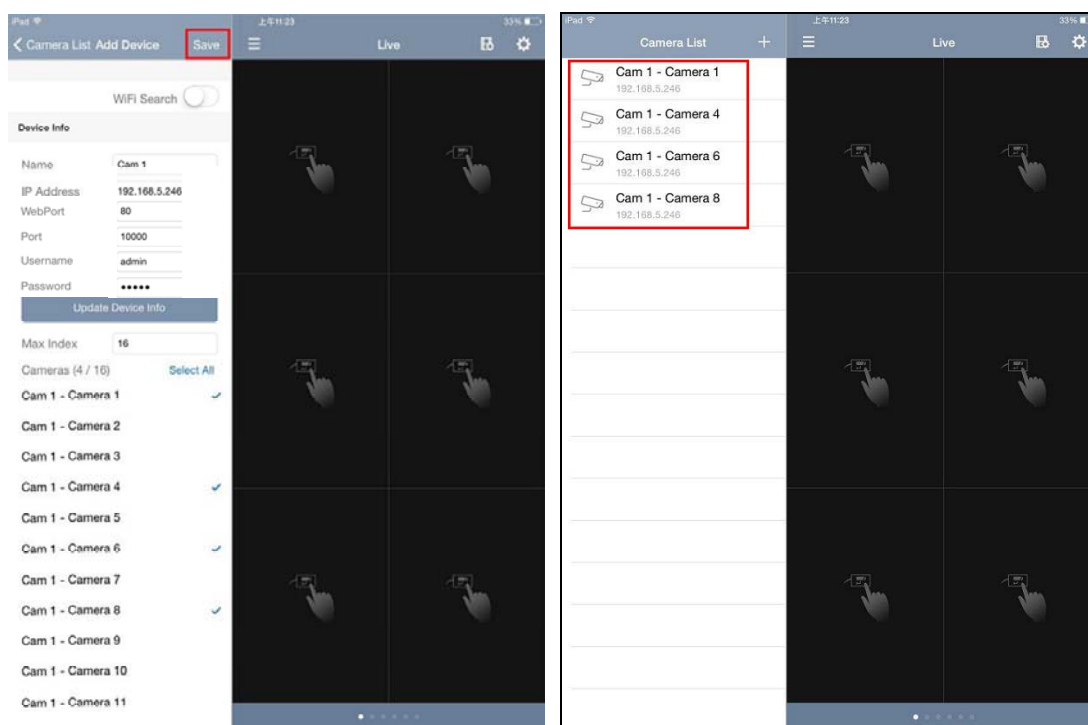
Note:

1. For default port settings, see *System Requirements* earlier in this installation guide.
2. To allow mobile access on GV-VMS or GV-DVR/NVR, enable the ViewLog and mobile function in advance. From the main screen on GV-VMS, select **Toolbar** , select **Network**  and then select **WebCam Server**. From the main screen on GV-DVR/NVR, select **Network**  and then select **WebCam Server**.





3. Click **Update Device Info**. The total number of cameras and each installed GV-IP Cameras are displayed.
4. By default, all the installed cameras are selected. To change this setting, tap **Deselect All** and tap the cameras you want to connect.
5. Tap **Save** on the top-right corner. The selected cameras are added to Camera List.

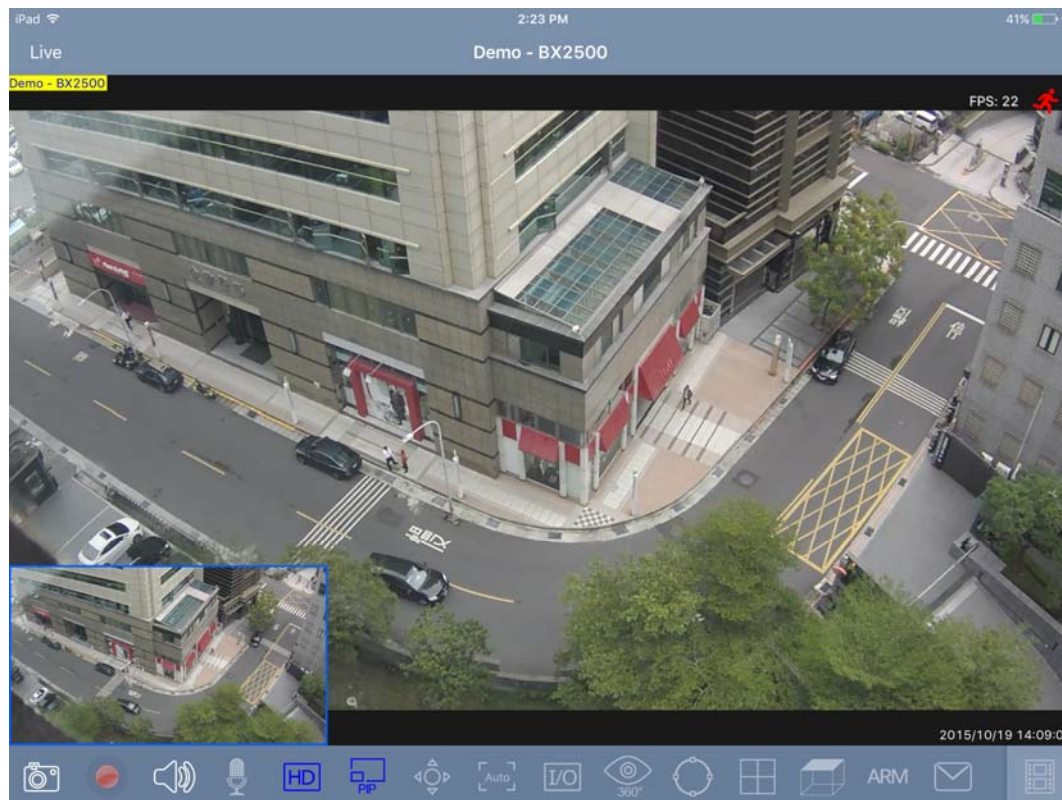


6. To display, disconnect live view and remove a camera from the list, refer to Step 5 to 8 in *1.5.1 Automatic Connection*.





1.6 Live View
















Tap the live view for a full-screen display as below.
















You can access the following functions by tapping the corresponding icon. With the functions enabled, the record icon glows red while the others glow blue.

Icon	Name	Function
	Snapshot	Snapshots the current live view and saves it to the photos or gallery folder of your mobile device.
	Record	<p>Starts the recording. A colored camera name at the upper-left corner of the live view indicates the status of the camera.</p> <ul style="list-style-type: none"> Yellow: successful connection between GV-IP devices and software Green: starts monitoring Red: starts recording <p>Only for connecting GV-Eye with GV-VMS, the camera name shows red when monitoring or recording is enabled.</p> <p>The recording function is disabled by default. Tap the button again to disable the recording.</p>




Icon	Name	Function
	Speaker	Broadcasts sounds from the surveillance site. This function is enabled by default.
	Microphone	Speaks to the surveillance site. This function is enabled by default.
	Stream Switch	Switches the connected stream. By default, stream 2 (with lower resolution) is connected.
	PIP	Displays a picture-in-picture view which is a close-up view with its original view displayed in an inserted window. This function is enabled by default. On your mobile device, pinch to zoom the part of the live view you wish to examine. You can then glide on the screen to see the different parts of the close-up view.
	PTZ Panel	<p>Enables the PTZ control panel. You can control the camera view using the following:</p> <ul style="list-style-type: none"> : tap the arrow and drag toward the direction you wish to move the camera view  : zooms in and out  : focuses in and out : Moves the camera view to the home position : Moves the camera view to a predefined position by selecting a preset number
	Auto Focus	Automatically focus the live view. This function is only accessible when the PTZ panel is enabled.
	I/O Trigger	Manually trigger the output and edit the output naming displayed on your mobile device.
	Fisheye Dewarp	<p>Dewarps the fisheye live view and allows the user to align the live view, select display mode and define the installation type. For details, see Image Alignment, Camera Mode and Installation Type in this table.</p> <p>Note: This is a paid service. When the option is selected, you will be directed to App Store or Android Market to download the tool. This is free for trial when the Demo Mode is enabled in the Settings page (see <i>1.9 System Settings</i>).</p>



Icon	Name	Function
	Image Alignment	Defines the size and center of the Fisheye view. Tap to enable this function and then enlarge, minimize and move the red circle. Tap this icon again to apply the setting.
	Display Mode	Defines the display mode of a GV-Fisheye Camera. <ul style="list-style-type: none"> • Quad View: shows the live view in 4 PTZ views • 360-Degree View: shows 2 PTZ views and a 360° view • Single 180° view: shows one 180° view • Single View: shows one PTZ view
	Installation Type	Defines the installation type of a GV-Fisheye Camera. Tap the icon and select among: <ul style="list-style-type: none"> •  ceiling mount •  wall mount •  ground mount
	Alarm Invocation	Enable the alarm notification to GV-Center V2 when events occur. This function is disabled by default. Enable it in the Settings page (see <i>1.9 System Settings</i>), and the icon will be added on the live view. Note: The notification settings should be configured in advance on GV-IP Cameras.
	Email Notification	Enable the function of receiving alert notification through e-mails when events occur. This function is disabled by default. Enable it in the Settings page (see <i>1.9 System Settings</i>), and the icon will be added on live view. Note: The notification settings should be configured in advance on GV-IP Cameras.
	Playback	Plays back recordings. For details, see <i>Playing Back Recordings</i> later in this installation guide.
	Motion Detection	Indicates detected motions. The icon becomes red  when a motion is detected.
	Hardware Decode	Enables GPU decoding which lowers the CPU loading and increases the smoothness of live view. Note this function is only supported by Android mobile devices.
	FPS	Indicates the number of frames per second, ranging from 0 to 30. The more frames per second, the smoother the motion appears.



Note:


1. The control of enabling or disabling recording  is only available for supported GV-IP Cameras and GV-VS11 / 12 / 14. For details, see [1.2 Supported GV-IP Devices and Software](#).
 2. PTZ Panel functions are fully or partially supported by the following GV-IP device:
 - GV-IP Speed Dome and GV-PTZ Camera: all functions supported
 - GV-PT Camera: all functions supported except zoom in/out
 - GV-IP Cameras that support remote focus/zoom adjustment: only support auto focus, focus in/out and zoom in/out.
 3. Fisheye Dewarp is available at the App Store or Android Market and is only applicable to GV-Fisheye Cameras. Alternatively, tap **Upgrade** from the Settings page to purchase this tool. For details, see [1.10 Fisheye Dewarp](#).
 4. The microphone function is only supported by GV-IP Cameras and GV-Recording Server V1.3 or later.
-

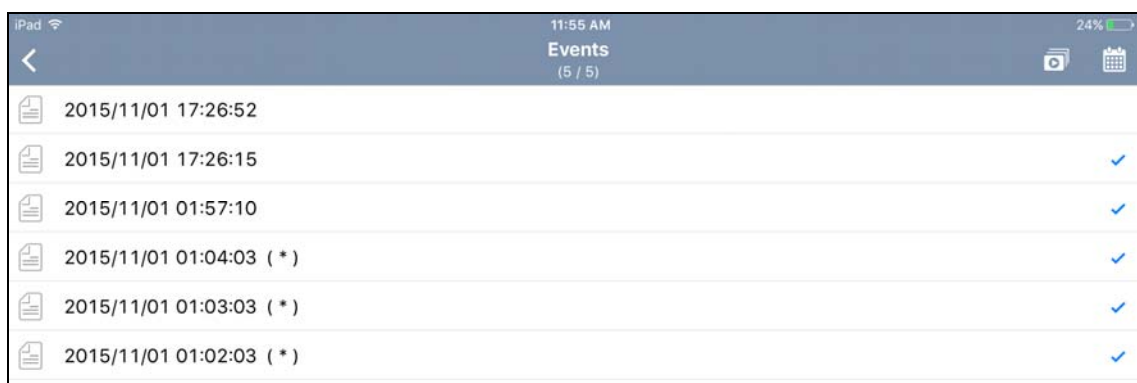



1.7 Playing Back Recordings


Make sure the following functions are enabled ahead to allow remote access from the GV-Eye:

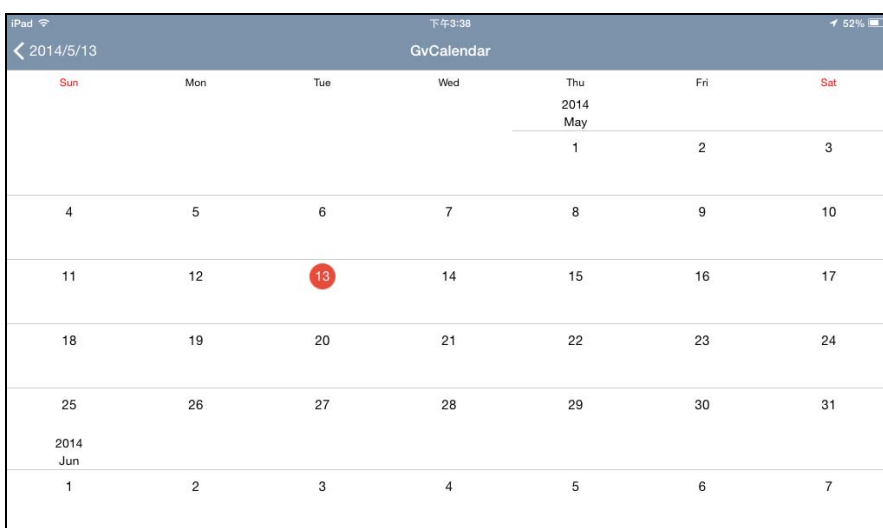
- GV-DVR / NVR / GV-VMS: enable **Remote ViewLog Service**
- GV-IP Camera / GV-Video Server / GV-Compact DVR: enable **ViewLog Server**

1. From the live view page, tap . This page appears.



2. The recording files of the day are listed. Tap to select up to five videos of your choice. Click  to start playing.

3. You can also tap the calendar icon  to view the recording status. The current date is indicated in red.





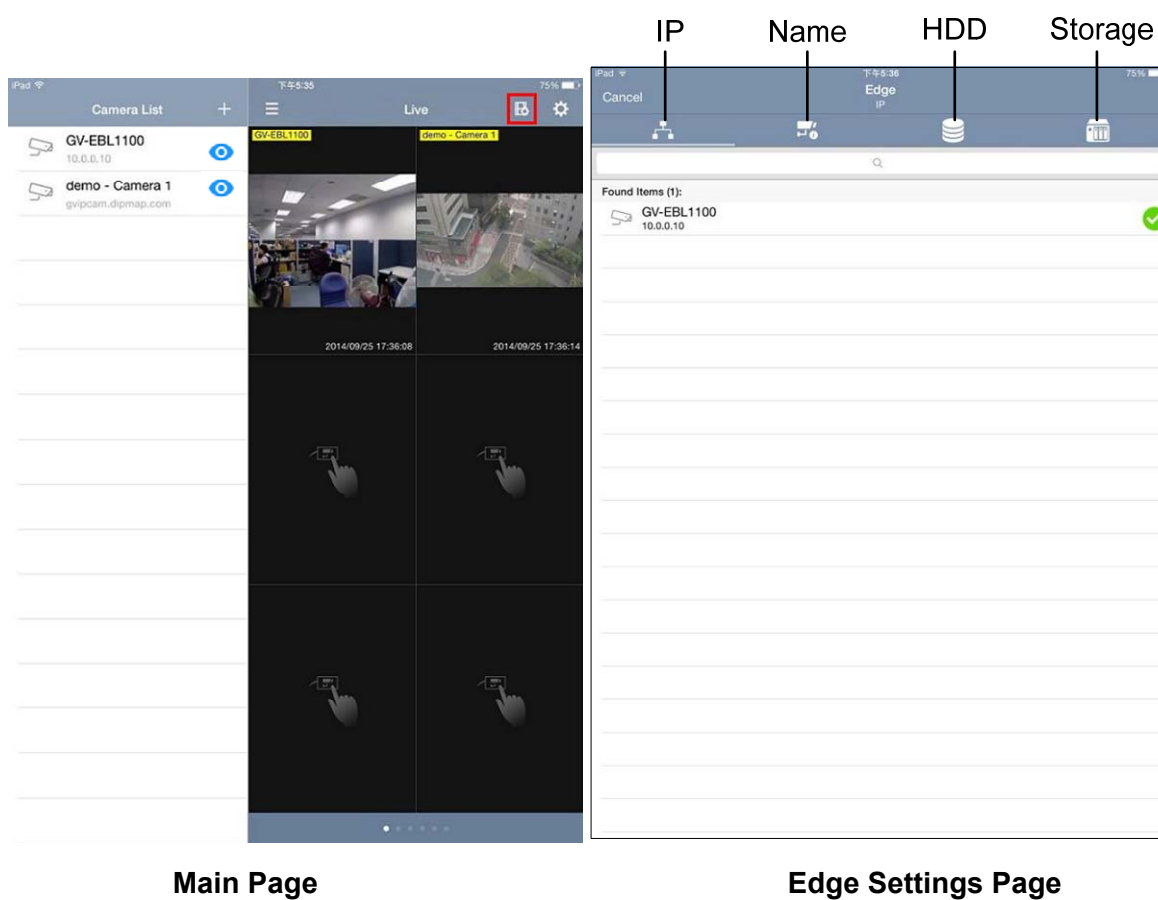
Note: Audio function is not supported for video playback.




1.8 Edge Settings

The Edge settings section allows you to configure the IP address, device name and storage path for GV-IP devices.

To access the settings, enable **Edge Tool** in the Settings page (see [1.9 System Settings](#)), and the **Edge settings** button  will be added on the main page. Tap  and the Edge settings page appears.





Note: For Android devices, click  on the main page and tap **Edge Tool** to access the Edge settings.

LIVE VIEW SETTING

Show Device Name

開啟

Show Device Time

開啟

Keep Image Ratio

開啟

ARM&Email

開啟

PTZ Speed

3

Delete All Entries on Camera List

Backup Camera List

Edge Tool

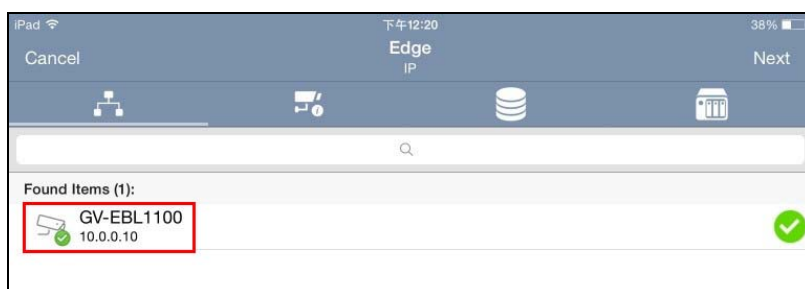


1.8.1 Changing IP Address

To change the IP address of a GV-IP Device, follow the steps below.

Note: The function of changing IP address is only supported by compatible GV-IP Camera, GV-Video Server and GV-Compact DVR.

1. On the IP settings page, select the desired GV-IP Device. A green tick appears under camera name.



2. Tap **Next** at the upper-right corner. This page appears.



3. Type a new IP address and optionally tap the **Advanced** button to configure the Mask, Gateway and DNS settings.



4. Tap **Save** to enable the settings.

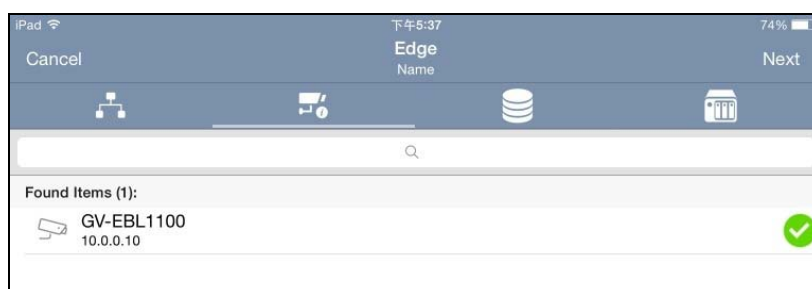


1.8.2 Changing Device Name

To change the device name of a GV-IP Device, follow the steps below.

Note: The function of changing device name is only supported by compatible GV-IP Camera, GV-Video Server and GV-Compact DVR.

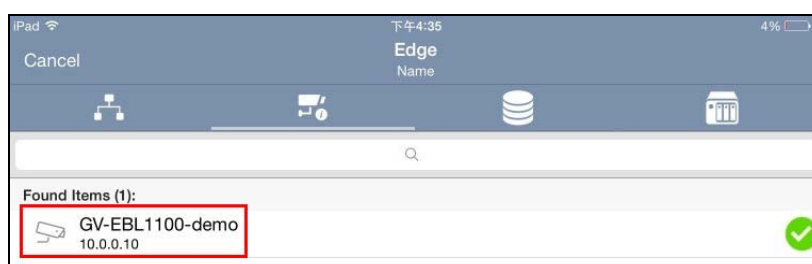
1. On the Edge settings page, tap the **Name** button . The Name settings page appears.



2. Select the desired GV-IP Device and tap **Next**. This page appears.



3. Type a new name for the device and tap **Save**.
4. On the Name settings page, pull to refresh. The device name is updated.






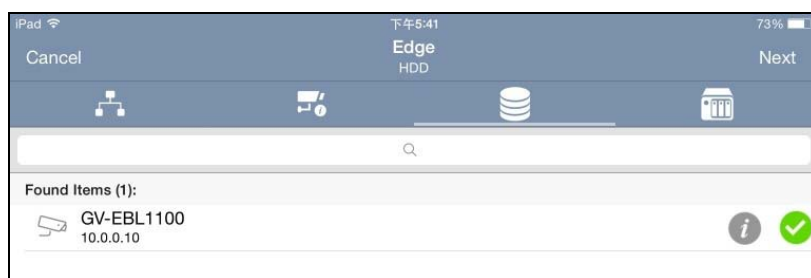
1.8.3 Assigning Storage Path

To assign the recording storage path on GV-NAS System for a GV-IP Camera, follow the steps below.

Note:

1. Make sure the camera stops recording before assigning storage path.
2. This function is only supported by GV-IP Camera firmware V3.0 or later and GV-Target IP Camera firmware V1.02 or later.
3. The Edge recording is only supported by GV-NAS Systems.

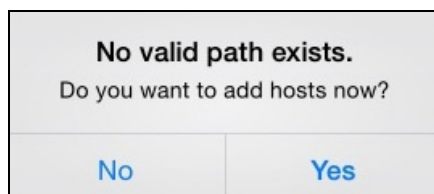
1. On the Edge settings page, tap the **HDD** button . The HDD settings page appears.



2. Select the desired camera and tap **Next**. This page appears.

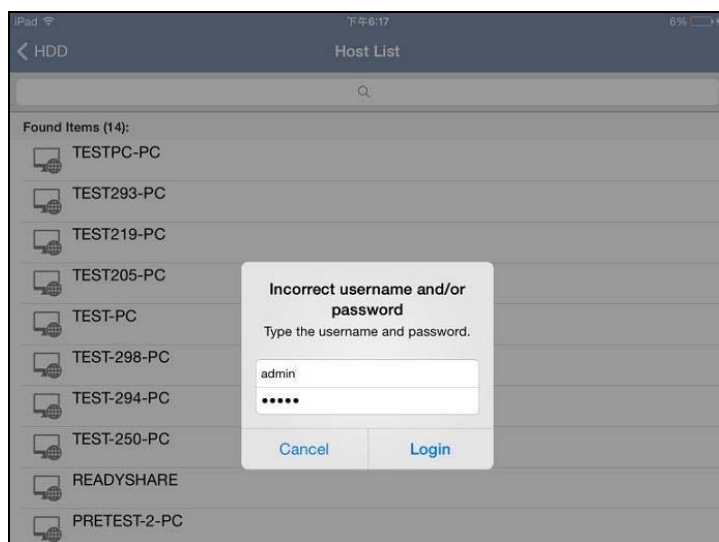


3. Tap the **Edit** button  and select **Yes** in the pop-up dialog box to add a valid path.

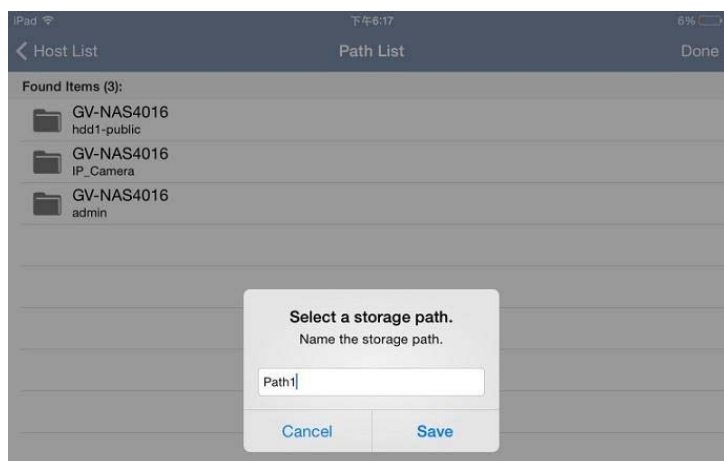





- In the pop-up Host List, select the desired host, type the username and password of the host and tap **Login**.



- In the pop-up Storage Path List, select the desired storage path, type a name and tap **Save**.




- To view the added storage path, on the Edge settings page, tap the **Storage** button . The added path is displayed.





1.8.4 Monitoring HDD Storage

To view the HDD storage status, tap the **Info** button  on the HDD settings page. The HDD Info page appears and displays the capacity.




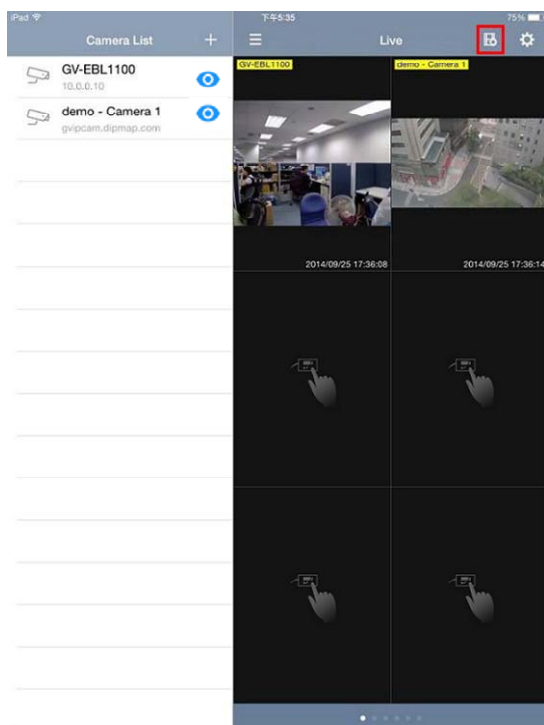
Note:

1. This function is only supported by GV-IP Camera firmware V3.0 or later and GV-Target IP Camera firmware V1.02 or later.
 2. For the camera with its storage path being assigned on the GV-NAS System, the HDD Info page displays the NAS storage capacity; for the camera without storage path assigned, the HDD Info page displays the SD card storage capacity.
-

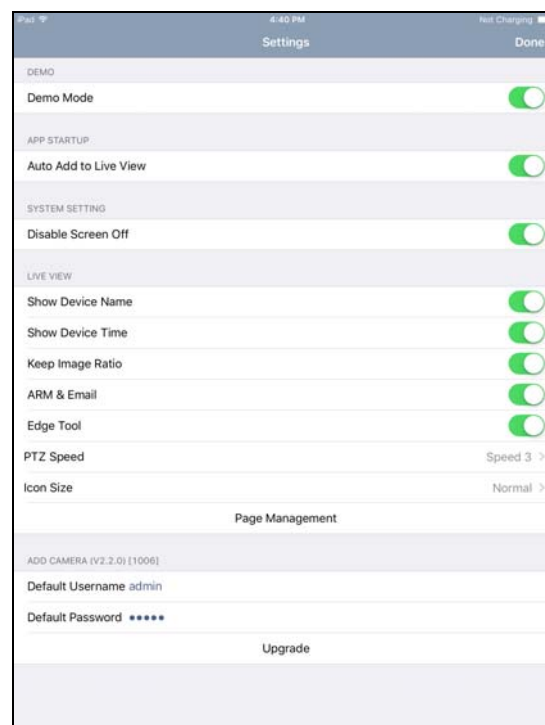


1.9 System Settings

To access GV-Eye settings, click  on the main page. The settings page appears.



Main Page



Settings Page

[DEMO]

- **Demo Mode:** Displays 3 channels of live view for you to experience the features of GV-Eye.

Note: If you enable **Demo Mode**, your current connection of IP-devices and layout settings of live view will be temporarily closed. Instead, 3 demo channels and default layout will be displayed. To resume your previous settings, disable **Demo Mode**.

[APP STARTUP]

- **Auto Add to Live View:** Automatically displays the added IP devices to live view. This function is disabled by default.

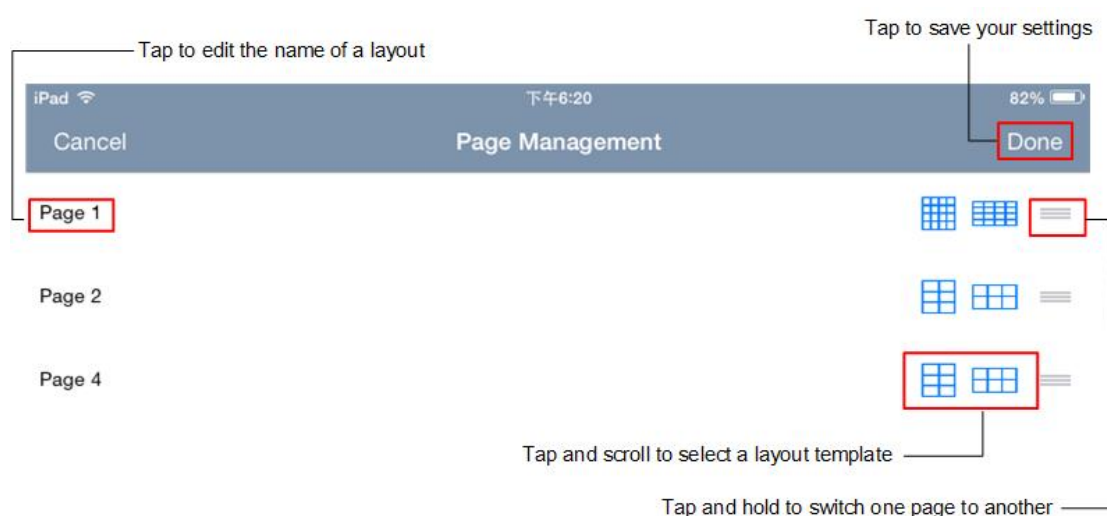


[SYSTEM SETTING]

- **Disable Screen Off:** Turns off sleep mode of the mobile device when the GV-Eye is running. This function is disabled by default.

[LIVE VIEW]

- **Show Device Name:** Displays device name on live view.
- **Show Device Time:** Displays device time on live view.
- **Keep Image Ratio:** Displays the live view in proportion to the device's resolution.
- **ARM & EMAIL:** Displays the alarm invocation and e-mail notification icons on live view.
- **Edge Tool:** Displays the edge settings icon on live view.
- **PTZ Speed:** Changes the PTZ speed. Speed 1 is the slowest and speed 5 the fastest.
- **Icon Size:** Only for iOS devices, changes the size of the icon.
- **Page Management:** Arranges live view layouts. GV-Eye can receive up to 96 channels of live view from various GV-IP devices. There are 6 pages in total with each displaying up to 16 channels of live view.




[ADD DEVICE]

- **Default Username:** Sets the default username when adding a new IP device to the Camera List. The default is **admin**.
- **Default Password:** Sets the default password when adding a new IP device to the Camera List. The default is **admin**.
- **Delete All Entries on Camera List:** Click to delete all the entries on the Camera List.
- **Upgrade:** Click to purchase the tool for fisheye dewarping and see *1.10 Fisheye Dewarp*.



1.10 Fisheye Dewarp

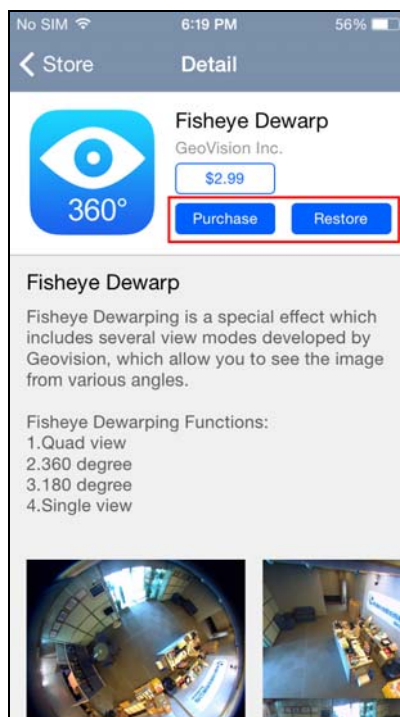
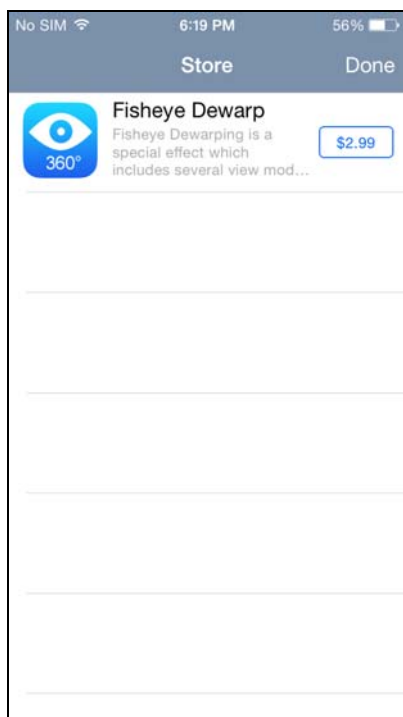
To purchase the Fisheye Dewarp functions, click  on the main page and tap **Upgrade** (see figure on page 15).

Note:

1. Fisheye Dewarp is not applicable for GV-Mobile Server hosts.
 2. Once you have purchased the function, you can also use it on another device set with the same Google account.
-

For iOS Devices

Tap **Purchase** to buy the function for the first time. Tap **Restore** when you've already purchased the function and would like install it on another device.





For Android Devices

Tap the cost button to purchase the function.

