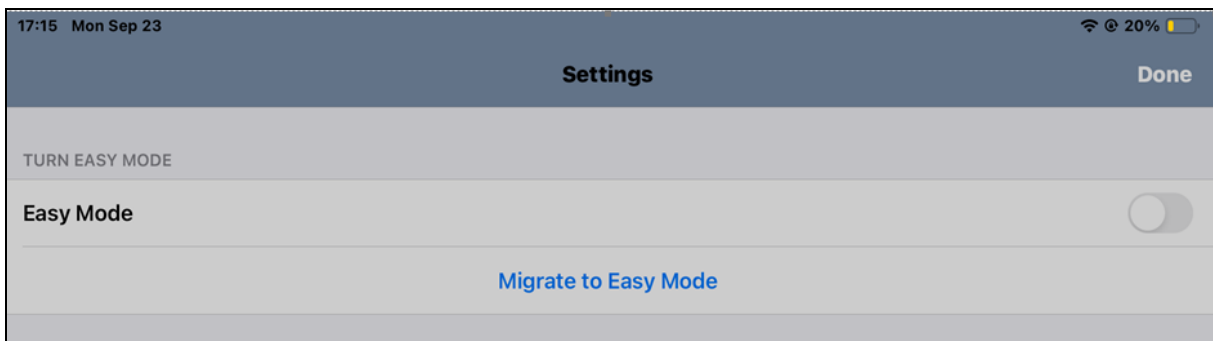




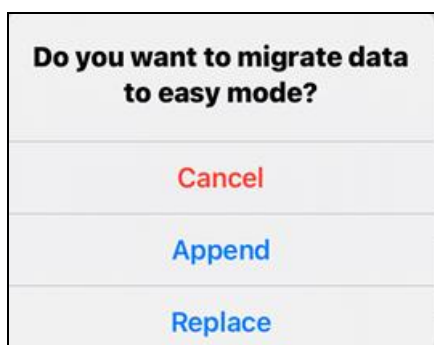
GV-Eye Mobile App

Notice

GV-Eye V3.0.0 or later features Easy Mode with improved user interfaces. The following two options on the Settings page allow you to switch between the former UI (General Mode) and upgraded UI (Easy Mode). The two modes are independent and allow you to set up different hosts in each. You can also move hosts from General Mode to Easy Mode.



- **Easy Mode:** Allows you to switch between two modes.
- **Migrate to Easy Mode:** After selecting this option, you will be prompted to either add the hosts from General Mode to Easy Mode (**Append**), or replace the hosts in Easy Mode with those from General Mode (**Replace**).





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GV-Eye



Using the GV-Eye mobile app, you can access GV-IP devices and software from your mobile devices, to watch live views, play back recordings, trigger outputs, take snapshots, and more.

1. Specifications

General

| | |
|---|---|
| Supported OS | iOS 15 ~ 18.7 and 26; Android 12 ~ 15 |
| Codec | MPEG4, MJPEG, H.264 and H.265 |
| Resolutions | Up to 12 MP (4000 x 3000) |
| Functions | 360° Mode, Live View, PIP (Picture-in-picture), Fisheye Dewarping, PTZ Control & Preset, Local Storage Playback, I/O Output trigger, Snapshot, 2-Way Audio, Stream Switching, Device Search, Hardware Decoding, Add via QR code |
| Languages | Chinese Traditional, English, Japanese |
| Note: Installing GV-Eye for Android V2.9.1 or later requires a mobile device that supports 64-bit ABI (arm64-v8a). | |



Default Port Settings

GeoVision IP devices and software used for remote connection have default ports listed below.

| Hardware / Software | Connection Port | Playback Port |
|--|-----------------|---------------|
| GV-IP Devices (VSS Port) | 10000 | 5552 80 |
| GV-NVR | 56000 | 5552 |
| GV-VMS | 56000 | 5552 |
| GV-Recording Server / Video Gateway Server | 11000 | 5552 |
| GV-Mobile Server | 55000 | N/A |
| GV-RNVRL810-P / 3240-N / 256G0-N | 80 | 80 |
| GV-SNVR0400F / 0411 / 0412 / 0811 / 0812 / 1600 / 1611 / 1612 | 10000 | 80 |
| GV-SNVR3203 / 6403 | 554 80 | 554 80 |
| GV-TNVR1620-P / TXVL1610 | 554 80 | 554 80 |
| GV-Cloud Bridge / Cloud Bridge Pro | 1000 | 5552 |
| UA-SNVR / DVR | 80 | 80 |
| UA-IP Cameras | 80 | N/A |

Note:

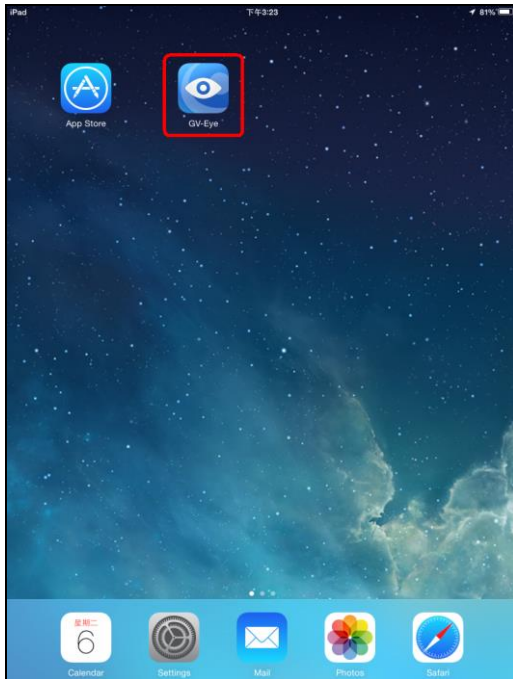
1. Only mobile devices with Android 4.1 (or later) and a GPU allow hardware decoding.
2. Access is only allowed for **Admin** users when connecting to GV-IP devices.
3. By default, GV-Eye connects to sub stream of any GV-IP device, which uses H.264 codec and CIF resolution.
4. **GV-Relay QR code connection is a paid service, and connecting to a standalone NVR and HD DVR by QR code scan will also incur a payment.** For details, see 4. *GV-Relay QR Code*.



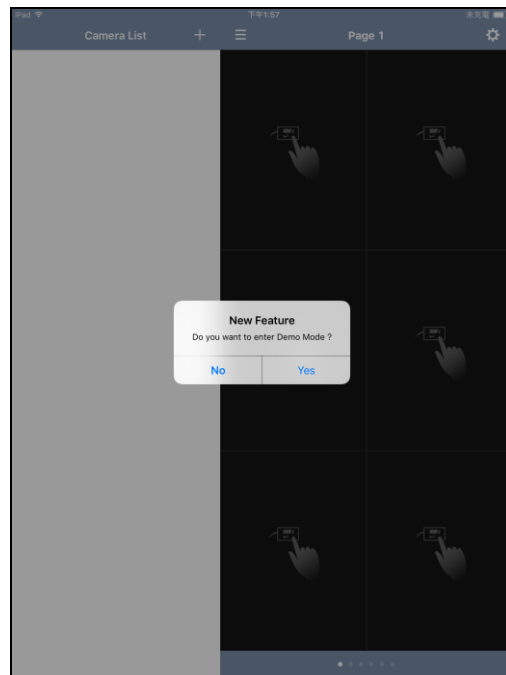
2. Installing GV-Eye

You can download GV-Eye from the **App Store** or **Google Play** and install the application.

Upon first-time startup, you will be directed to a dialog box to enable or disable **Demo Mode**. Select **Yes** to enable **Demo Mode** to be guided through the key features of GV-Eye. Select **No** to disable **Demo Mode** and the main page appears.



GV-Eye icon on iPad



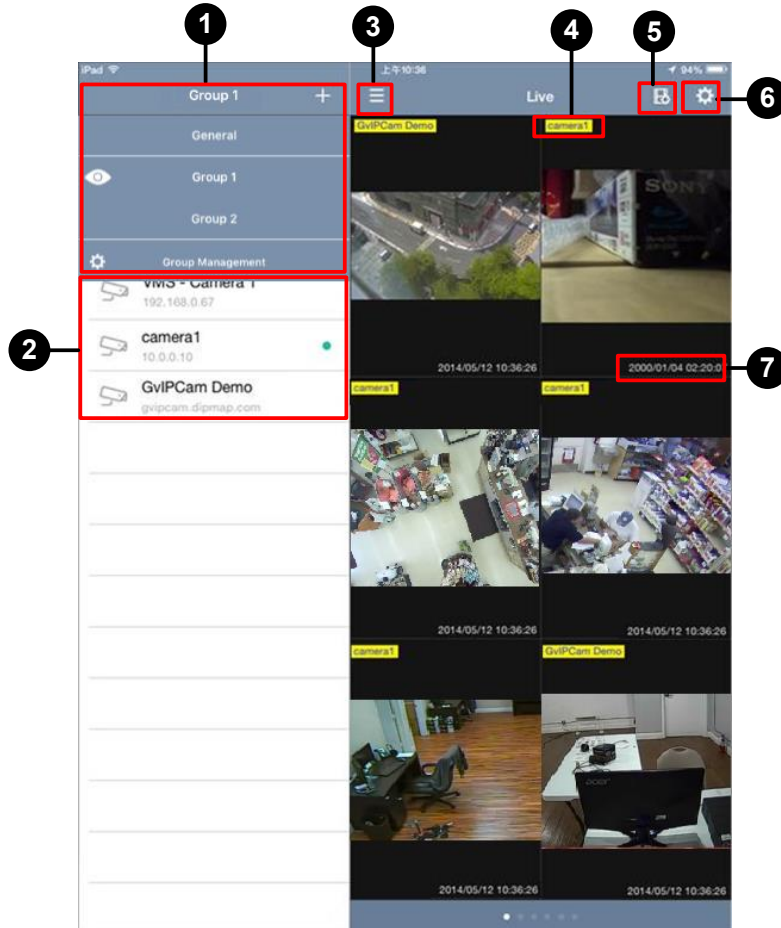
Dialog Box of Demo Mode on iPad



3. Main Page

3.1 General Mode

The following main page of **General Mode** is exemplified using an *iPad*. The main page is set to be General Mode by default.




| No. | Name | Function |
|-----|-------------|--|
| 1. | Group List | Manages groups for GV / UA-IP devices. For details, see 6. <i>Group Management in General Mode</i> . |
| 2. | Camera List | Adds and removes connections to GV / UA-IP devices and software. Depending on the type of connection desired, see 4. <i>GV-Relay QR Code</i> or 5. <i>Manual & Automatic WiFi Connection</i> . |
| 3. | 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. |
| 4. | Device Name | Displays the device name, which turns red during recording. |



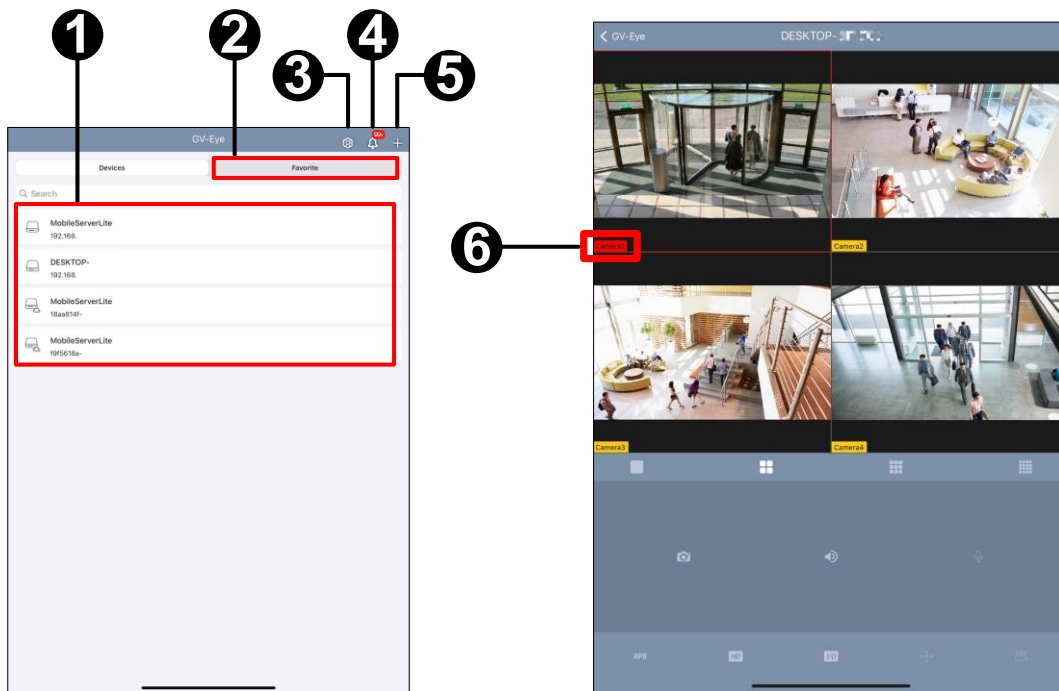
| No. | Name | Function |
|-----|--------------|--|
| 5. | Edge Setting | Configures IP address and recording storage path of the device. |
| 6. | Settings | Tap this button to access the GV-Eye settings. For details, see <i>11. System Settings</i> . |
| 7. | Device Time | Displays the device time. |



3.2 Easy Mode

To quickly access real-time images of all channels, tap **Settings**  and enable **Easy Mode**.
Optionally, click **Migrate to Easy Mode** to load the camera data from General Mode.

When Easy Mode is enabled, tap the device you wish to display the camera channels from.
The live view is shown as below, exemplified using an *iPad*.



| No. | Name | Function |
|-----|---------------|---|
| 1. | Device List | Displays and manages GV / UA-IP devices and software. Swipe left to refresh, configure, or delete devices / software. For details, see <i>3.2.1 Controls on the Device List</i> . |
| 2. | Favorite List | Displays the Favorite Lists. Tapping on different lists allows you to quickly access the devices included in each list. For details, see <i>7. Favorite List in Easy Mode</i> . |
| 3. | Settings | Tap this button to access the GV-Eye settings. For details, see <i>11. System Settings</i> . |







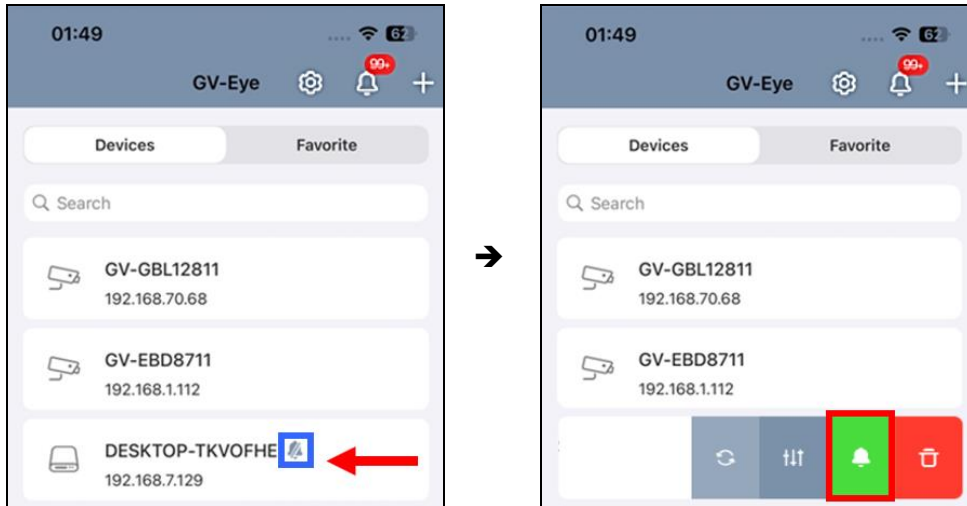
| | | |
|----|-------------------|---|
| 4. | Notification List | <ul style="list-style-type: none"> - Displays a list of push notifications triggered by events on hosts. Each notification indicates which event occurred and which host it was triggered from. See <i>5.6 Push Notifications</i>. |
| 5. | Add Device | <ul style="list-style-type: none"> - Scan QR code / Add Manually / Search by Wifi: Adds IP devices and software for connection. Depending on the type of connection desired, see <i>4. GV-Relay QR Code</i> or <i>5. Manual & Automatic WiFi Connection</i>. - Add Favorite: Adds IP devices to separate Favorite lists. For details, see <i>7. Favorite List in Easy Mode</i>. |
| 6. | Device Name | <p>Displays the device name, which turns red during recording.</p> |

Note: Swipe left on the live view images to access all channels on different pages.








3.2.1 Controls on the Device List

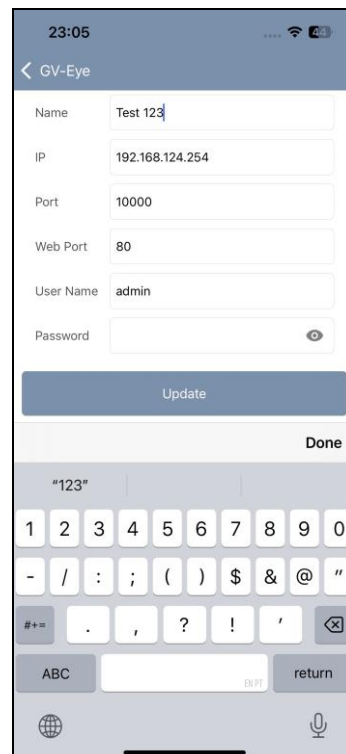
Swipe left on a host to refresh , configure , enable notifications for , or delete  devices / software. For details on push notifications, see [5.6 Push Notifications](#).



In the Device List, icons next to devices indicate their types and connection methods.

-  : PCs (for GV-Software such as GV-VMS) or SNVRs
-  : Cameras
-  and  : Devices connected via GV-Relay QR Code (see [4.2 Connecting via GV-Relay QR Code](#))

Tap the  button to open the Configuration page, where you can change the device name, IP, port, Web port, username, and password.





4. GV-Relay QR Code

This chapter explains how to connect to GV-IP devices or software using the **GV-Relay QR code** available on the device or software. The GV-Relay QR code connection eliminates the need to configure **Windows Firewall** and **port forwarding**.


To use the feature, you must bind a **GV-Relay account** (see *4.1 Creating GV-Relay Account*).

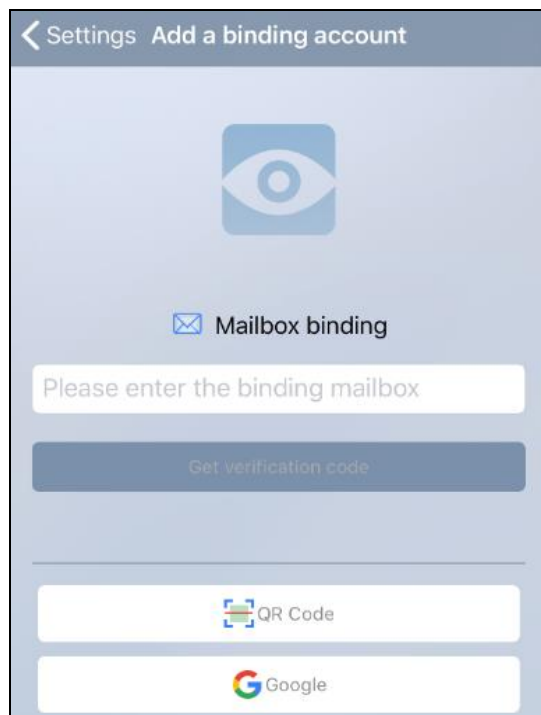
Note:

1. The GV-Relay QR code connection is supported only by GV-VMS (V17.4 / V18.1 / V20.0 or later), GV-NVR (V8.8.0 or later), GV-Recording Server / Video Gateway (V2.0.0 or later), and GeoVision standalone NVRs and HD DVRs, as well as UA-SNVRs and HD DVRs.
 2. **GV-Relay data is a paid service.** If the free quota (10 GB per month) is used up, users can still connect to IP devices or software through manual settings (see *5. Manual & Automatic WiFi Connection*).
 3. Images streamed using the GV-Relay QR code connection consume data within the GV-Relay account based on resolution and frame rate, and cannot be accessed once used up.
 4. To use the GV-Relay QR code connection, GV-IP devices or software must be connected to the Internet.
-

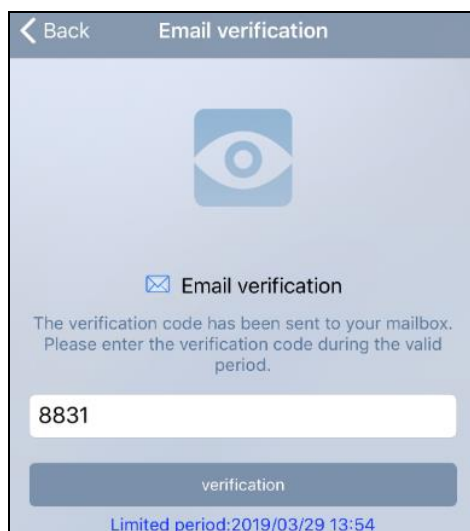


4.1 Creating GV-Relay Account

To connect using the QR code scan, you must first create a GV-Relay account. To do so, tap  on the main page to access the settings page and tap **Add a binding account** under **Account Management**. The following page appears.



1. Type a valid e-mail address under **Mailbox binding** to use it as your GV-Relay account.
 - A. Tap **Get verification Code**. The Email verification page appears.
 - B. Upon receiving of the verification code, enter the 4-digit code within its validity period of 10 minutes, as illustrated below and tap **verification**.





2. Alternatively, tap **Google** to log into your Google account.
3. Once successfully bound, the e-mail or Google account is used as your GV-Relay account, tracking the amount of data available for viewing images through a relay server.

Note: All GV-Relay accounts are given 10.00 GB of free data every month and additional data can be purchased as desired, see [4.3.1 Purchasing Relay Data](#).

To use GV-Relay QR code to connect to GV-IP devices or software, see [4.2 Connecting via GV-Relay QR Code](#).

To manage your GV-Relay account, see [4.3 Managing GV-Relay Account](#).



4.2 Connecting via GV-Relay QR Code

You can connect to GV-IP devices or software by scanning its GV-Relay QR code. To do this, follow the steps below.

Note:

1. To use GV-Relay QR code, you must have a GV-Relay account, see [4.1 Creating GV-Relay Account](#).
 2. To use GV-Relay QR code, GV-IP devices or software must be connected to the Internet.
-

1. On GV-IP devices or software, go to the settings page, as described below:
 - A. For GV-VMS, click **Toolbar > Network > Mobile Server > QR Code**, select **Enable** and click **Start**. By default, GV-Relay uses the port 443.



Note: When port 443 is already in use by other services, such as WebCam SSL or RTSP, utilize port 9443 for GV-Relay connection instead.



- B. For [GV-NVR](#), click **Network > Webcam Server > QR Code**, select **Enable** and click **OK** for the changes to take effect. Note that the **Mobile Server (Webcam Server > Mobile)** must be enabled first. Once enabled, close the dialog box and scan the QR code within **WebCam**, which can be accessed via *Windows notification*.

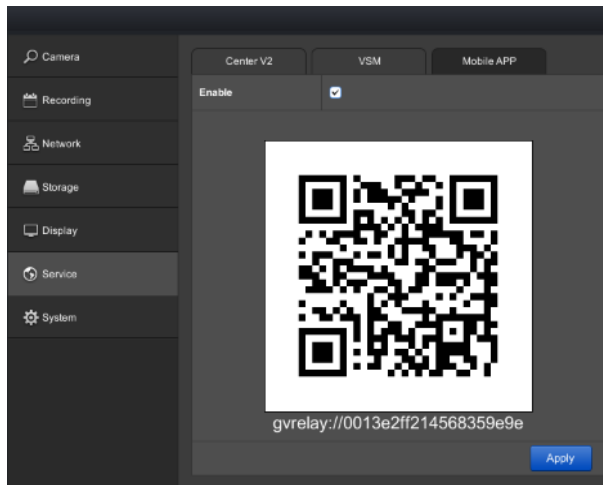


- C. For [GV-Recording Server / Video Gateway](#), click **Server > Video Gateway**, select **Yes** to enable **Video Relay** and click **Save** for the changes to take effect.

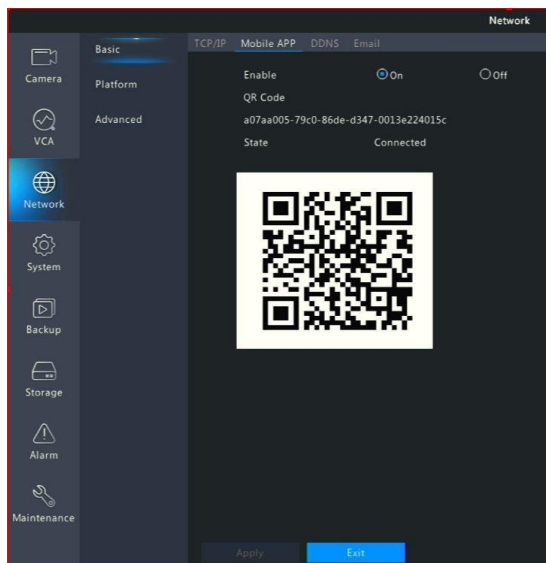




- D. For GV-SNVR0400F / 0411 / 0412 / 0811 / 0812 / 1600 / 1611 / 1612, click **Setting** > **Service** > **Mobile APP**, select **Enable**, and click **Apply** for the changes to take effect.

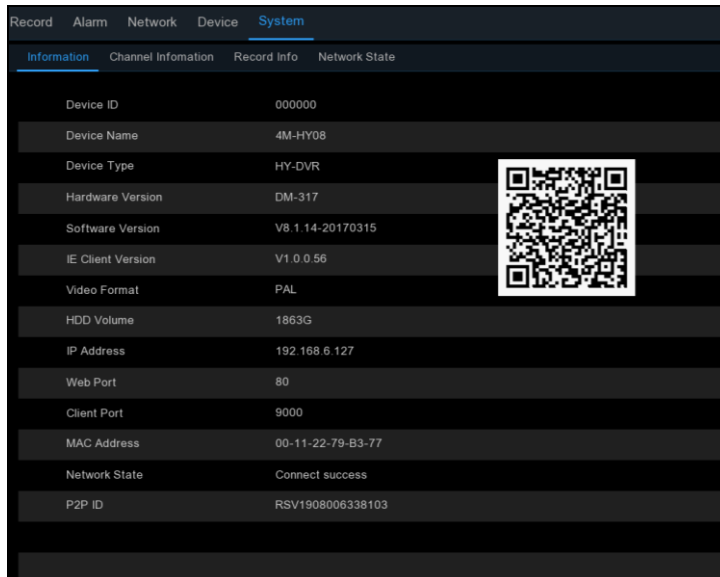


- E. For GV-SNVR3203/6403 / TNVR1620-P / TXVL1610, click **Network** > **Basic** > **Mobile APP**. The QR code is shown as below.

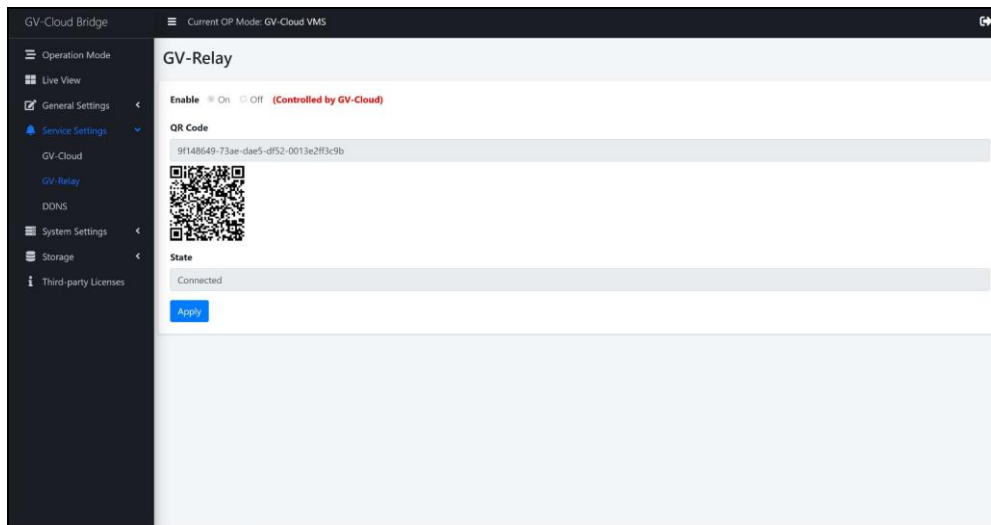





- F. For GV-RNVRL810-P / 3240-N / 256G0-N and UA-HD DVRs / SNVRs, click **System > Information > Information**. The QR code is shown as below.



- G. For GV-Cloud Bridge / Cloud Bridge Pro, click **Service Settings > GV-Relay**. The QR code is shown as below.



2. Tap **Add**  on the Camera / Group List page (No. 3, 4 Main Page) to access the **Add Device** page.

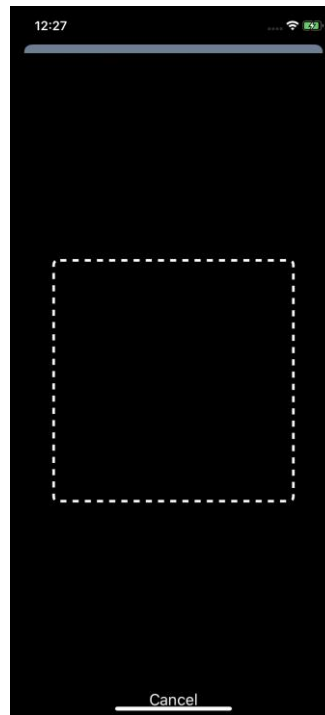


3. Tap **QR-code scan** . The QR code reader appears.

The screenshot shows the 'Add Device' form with the following fields:

- Name: Device name
- IP Address: 72804ace-65ec-4cdf-89f8...
- WebPort: 80
- Port: 10000
- Username: admin
- Password: admin

A 'Get Information' button is located below the fields. In the bottom navigation bar, the QR code icon is highlighted with a red box.



4. Hold your mobile device over the QR code on GV-IP devices or software until it clearly visible. When the scanning is completed successfully, the following page appears. Tap **Get Information** after entering a Name, as well as the GV-IP device or software's login username and password.

This screenshot is identical to the one in step 3, but the 'Get Information' button is highlighted with a red box.



5. All cameras from the GV-Software are displayed. Select the cameras you want to import into GV-Eye and click **Save**.

Add Device Save

Device Info

Name: GV-VMS

IP Address: 72804ace-65ec-4cdf-89f8...

WebPort: 80

Port: 10000

Username: 1

Password:

Get Information

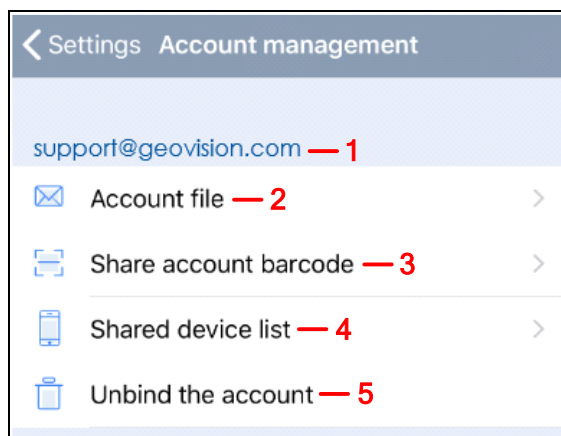
-
- GV-VMS - Camera 1
- GV-VMS - Camera 2
- GV-VMS - Camera 3
- GV-VMS - Camera 4
- GV-VMS - Camera 5
- GV-VMS - Camera 6

All of the selected IP devices are added to the GV-Eye under a Host Group.




4.3 Managing GV-Relay Account

When you are logged into your GV-Relay account, the following Account Management page appears.




| No. | Name | Function |
|-----|-----------------------|---|
| 1. | Account name | Displays the GV-Relay account currently logged in. |
| 2. | Account file | Tap to view the amount of data on the GV-Relay account or purchase data. See 4.3.1 <i>Purchasing Relay Data</i> . |
| 3. | Share account barcode | Tap to display a QR code for sharing the account's data to other mobile devices. See 4.3.2 <i>Sharing Relay Data</i> . |
| 4. | Shared device list | Tap to display all mobile device(s) using the data of the GV-Relay account logged in. See 4.3.2 <i>Sharing Relay Data</i> . |
| 5. | Unbind the account | Tap to log off the GV-Relay account. |

4.3.1 Purchasing Relay Data

To purchase data, tap **Account file** (No. 2, 4.3 *Managing GV-Relay Account*) and **Shopping cart** . The Purchase page appears.



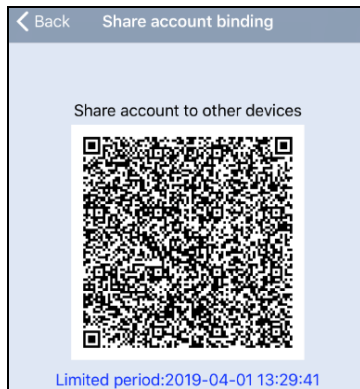
Tap the **Shopping cart**  next to the amount of data you want to purchase.





4.3.2 Sharing Relay Data

The data of a GV-Relay account can be shared to other mobile devices for GV-Relay streaming on those devices. To share the data from device A to device B, follow the steps below:

1. On device A, tap **Share account barcode** (No. 3, 5.3 *Managing GV-Relay Account*) The Share account QR code, with its validity period, appears.



2. On device B, start GV-Eye and tap  > **Add a binding account** and tap the **QR Code** button  .
3. Scan the QR code from Step 1 using device B. Once successfully scanned, the data from device A is shared to device B.

All images streamed by GV-Relay connection on both device A and B will consume the data from device A.

4.3.3 Removing Shared Device(s)

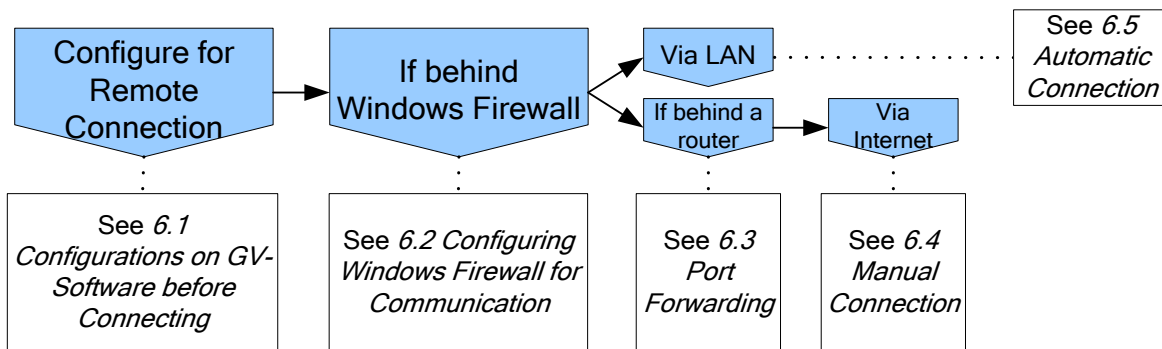
To remove a shared device, tap **Shared device list** (No. 4, 5.3 *Managing GV-Relay Account*) and select the account you want to remove.



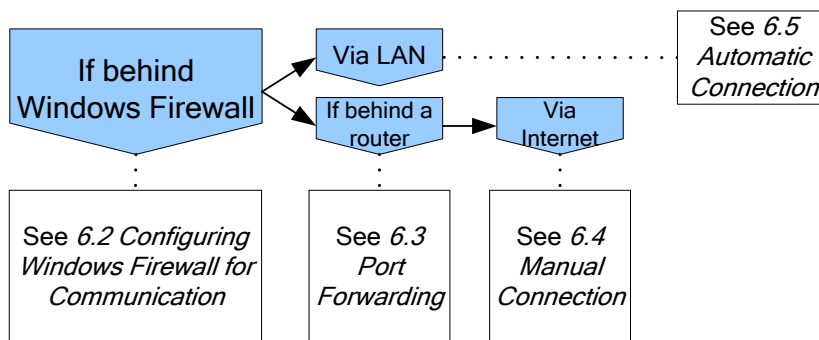
5. Manual & Automatic WiFi Connection

This chapter explains how to connect to GV-IP devices or software manually or automatically with WiFi detection. Refer to the following illustrations, according to the type of connection needed:

For GV-Software / SNVR



For GV-IP Devices



Note:

1. To connect by the GV-Relay QR code, see 4. *GV-Relay QR Code*.
 2. If the GV-IP Devices or software to which you want to connect isn't behind a Windows Firewall or router, the related settings may be skipped.
-



5.1 Required Configurations on GV-Software before Connecting




To connect to GV-Software using GV-Eye, the necessary services and ports must first be enabled. Refer to the following sections based on the GV-Software to which you want to connect:

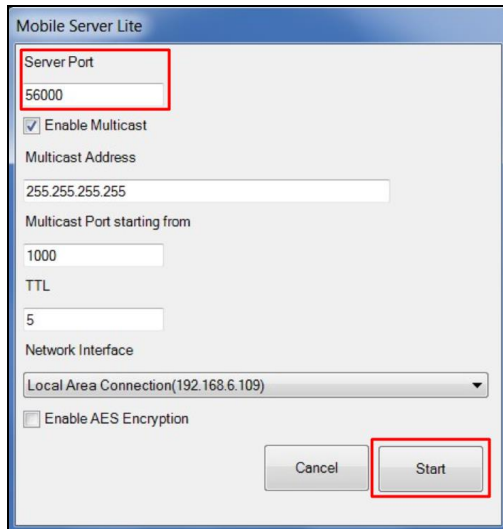
- For GV-VMS, see *5.1.1 Connection Settings on GV-VMS*
- For GV-NVR, see *5.1.2 Connection Settings on GV-NVR*
- For GV-Recording Server / Video Gateway, see *5.1.3 Connection Settings on GV-Recording Server / Video Gateway*




Note: GV-Mobile Server can be accessed by GV-Eye without configurations. If it is behind an active Windows Firewall, make sure its mobile service is allowed for communication. See *5.2 Configuring Windows Firewall for Communication*.

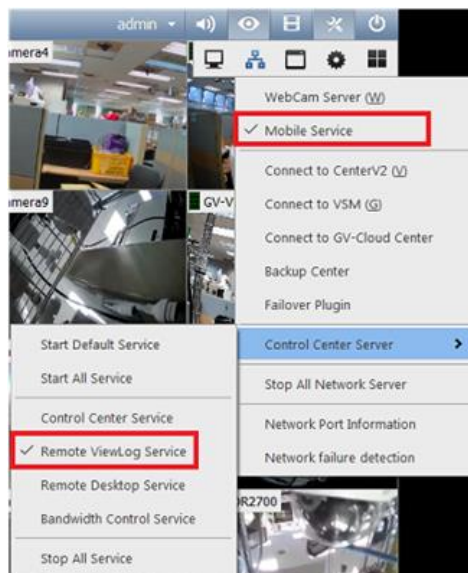


5.1.1 Connection Settings on GV-VMS

1. On your GV-VMS, click **Home**  > **Toolbar**  > **Network**  > **Mobile Service**. The Mobile Server Lite dialog box appears.
2. Keep the default **Server Port** of 56000 or modify if necessary and click **Start**.



3. Click **Home**  > **Toolbar**  > **Network**  to make sure **Mobile Service** is enabled, and optionally click **Control Center Server** and enable **Remote ViewLog Service** to allow playback through GV-Eye.

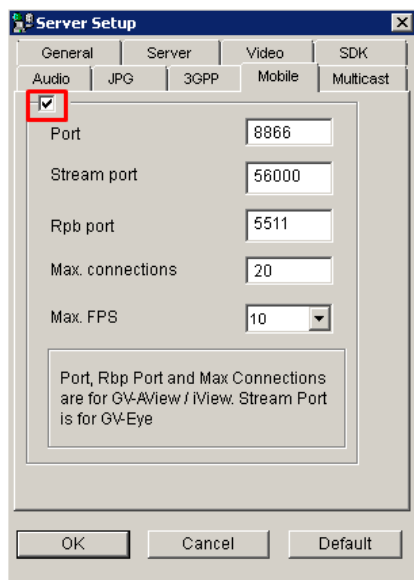


Note: If the PC has an active Windows Firewall, the related services must also be enabled in the Firewall for GV-VMS to be accessible by GV-Eye. See [5.2 Configuring Windows Firewall for Communication](#).

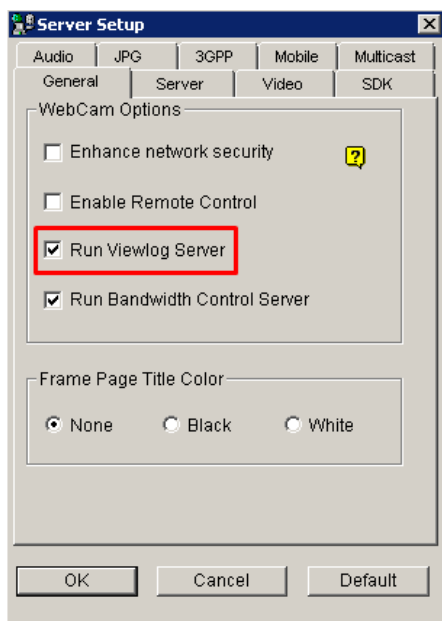


5.1.2 Connection Settings on GV-NVR

1. On the main screen of GV-NVR, click **Network** and select **Webcam Server**. The Server Setup dialog box appears.
2. In the **Mobile** tab, select the upper-left checkbox to enable mobile service and its corresponding ports. Keep the default **Stream Port** of 56000 or modify if necessary.



3. Optionally select **Run ViewLog Server** in the **General** tab to allow playback through GV-Eye.




4. Click **OK**. The GV-NVR can now be added to GV-Eye.

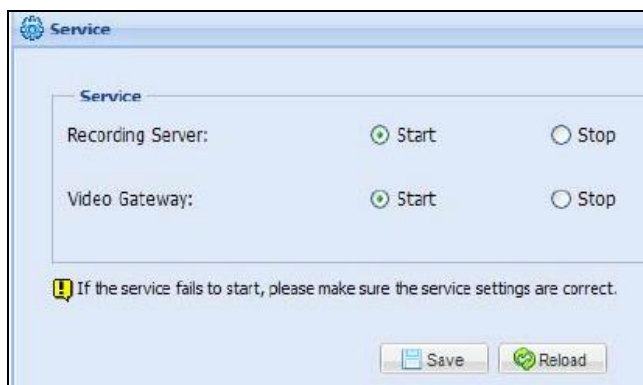
Note: If the PC has an active Windows Firewall, the related services must also be enabled in the Firewall for GV-NVR to be accessible by GV-Eye. See [5.2 Configuring Windows Firewall for Communication](#).





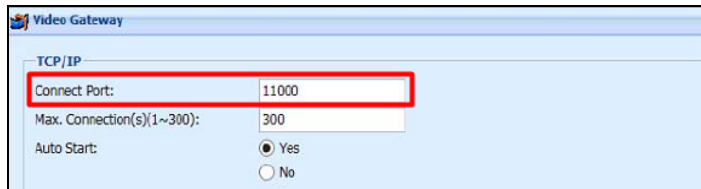
5.1.3 Connection Settings on GV-Recording Server / Video Gateway

For GV-Recording Server / Video Gateway to be accessible by GV-Eye, its Recording Server and Video Gateway services must first be enabled. The two services are enabled by default.

1. On the main screen of GV-Recording Server / Video Gateway, click **Server**  > **Service** . This dialog box appears.



2. Make sure **Start** is selected for both **Recording Server** and **Video Gateway** and click **Save**.
3. Optionally click **Server**  > **Video Gateway**  to change the **Connect Port**, otherwise keep its default value of **11000**.



4. Click **Save**. The GV-Recording Server / Video Gateway can now be added to GV-Eye.

Note: If the PC has an active Windows Firewall, the related services must also be enabled on the Firewall for GV-Recording / Video Gateway to be accessible by GV-Eye. See [5.2 Configuring Windows Firewall for Communication](#).



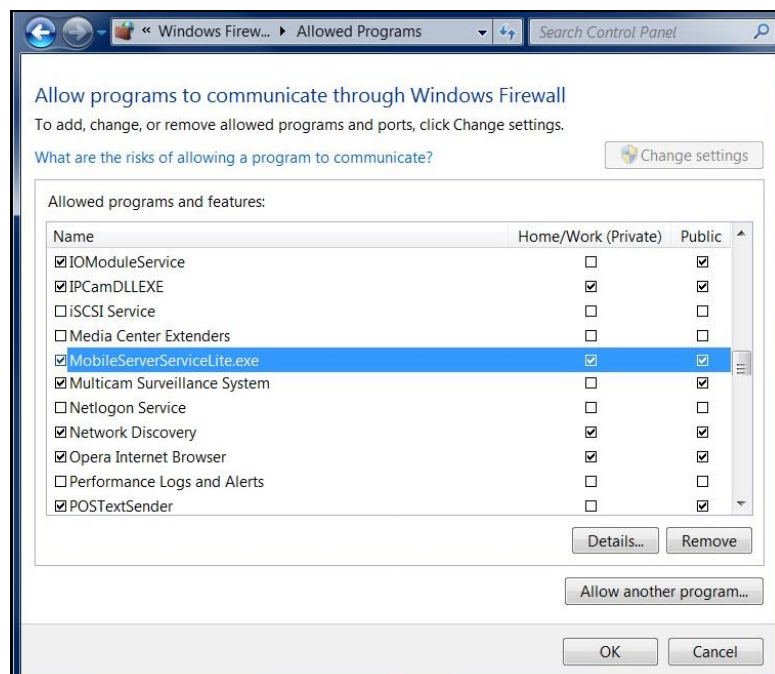
5.2 Configuring Windows Firewall for Communication

To allow GV-Eye to access GV-Software installed on a PC with an active Windows Firewall, the following services and programs must be enabled.

1. Open **Control Panel** from the Windows Start menu, click **System and Security** > **Windows Firewall** and click **Allow a program or feature through Windows Firewall**. The Allowed Programs dialog box appears.



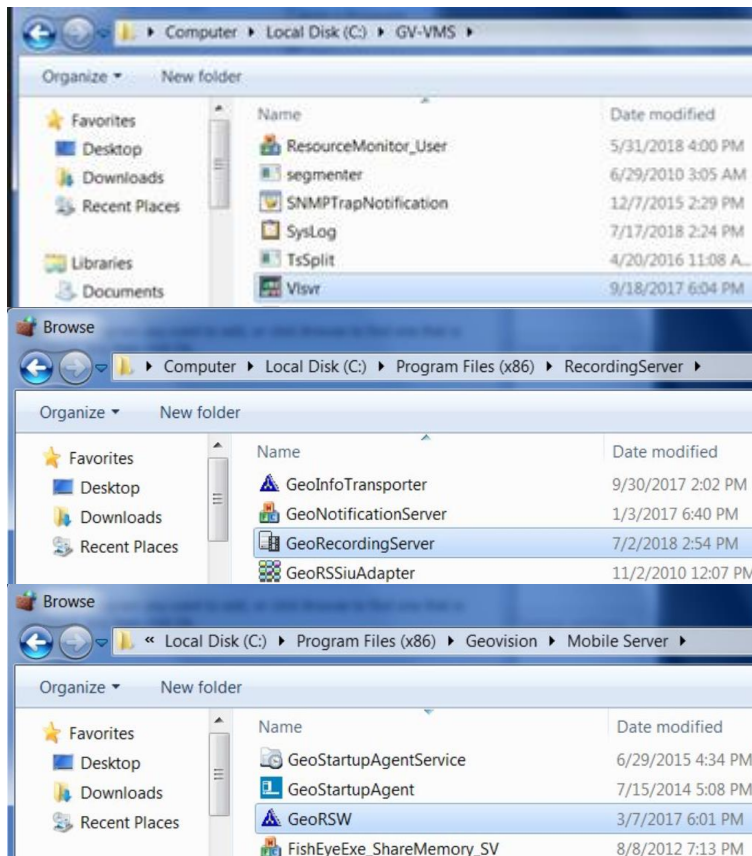
2. On the Allowed Programs and Features list, select the related programs according to the GV-Software you want to access. To allow other programs, see Step 4.



- a. For GV-VMS / NVR, allow **GeoRSWLite.exe**, **MobileServerServiceLite.exe** and **ViewLog Server** for both private and public networks.
- b. For GV-Recording Server / Video Gateway, allow **GeoRecordingServer.exe** and **ViewLog Server** for both private and public networks.



- c. For GV-Mobile Server, allow **GeoRSWLite.exe** and **MobileServerServiceLite.exe** for both private and public networks.
3. Click **OK**. The GV-Software can now be communicated through Windows Firewall.
 4. If any one of the above programs cannot be found within the list, click **Allow another program... > Browse** and:
 - a. For GV-VMS / NVR, locate *GeoRSWLite*, *MobileServerServiceLite* and *Visvr* from the GV-VMS / NVR's directory.
 - b. For GV-Recording Server / Video Gateway, locate *GeoRecordingServer* and *Visvr* from the GV-Recording Server / Video Gateway's directory.
 - c. For GV-Mobile Server, locate *GeoRSW* and *MobileServerServiceLite* from the GV-Mobile Server's directory.



Note: If the GV-Software is behind a router, see [5.3 Port Forwarding](#) and [5.4 Manual Connection](#), respectively, for connecting to GV-Eye through the Internet. Otherwise see [5.5 Automatic Connection](#) for connecting to GV-Eye within the same LAN.



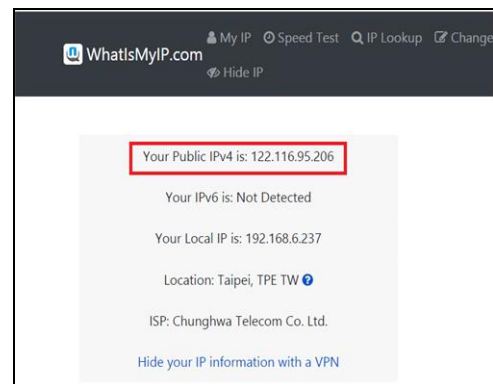
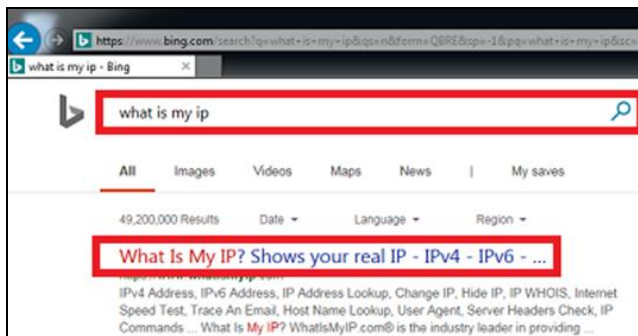
5.3 Port Forwarding

If the GV-IP devices or software you want to connect to are located behind a router, you must first configure port forwarding to allow external access.

Note: Prior to port forwarding, ensure that you have a **public IP address** accessible through the Internet. This can be done by one of the following:

1. Register for a *static public IP address* from your Internet Service Provider (ISP).
 2. Assign a *domain name* to your dynamic public IP address through the router's DDNS settings. Consult your router manufacturer for details.
-

1. Click [here](#) for port forwarding based on router brand and model.
2. Make sure the mapped ports match the GV-IP devices or software you want to connect to. For the default ports, see *Default Port Settings* in *1. Specifications*.
3. After Port Forwarding is set, look for the public IP address of GV-IP device or software by using "what is my ip" in a Web browser. Your Public IPv4 IP address is listed on *WhatIsMYIP.com*.



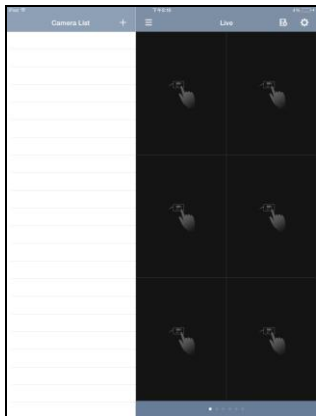


5.4 Manual Connection

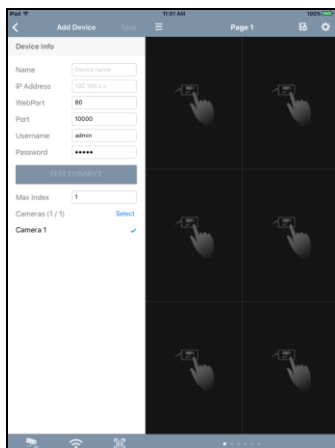
To connect to GV-Software, the relevant software settings must first be enabled; see 5.1 *Required Configurations on GV-Software before Connecting*.

5.4.1 General Mode

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



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

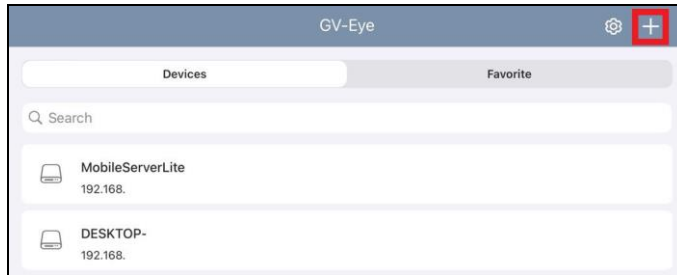


3. Follow Steps 3 ~6 in the following Easy Mode.

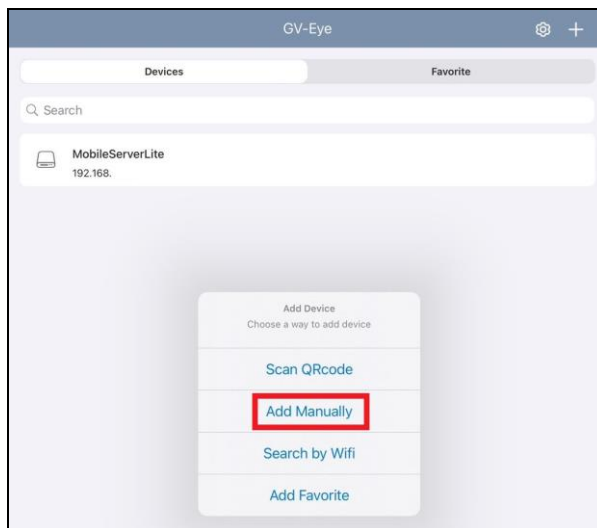


5.4.2 Easy Mode

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



2. Tap the **Add** button  and select **Add Manually**.





- On the Add Device page, enter the connection information of the GV-IP device or software you want to connect to, and enter a name.

- Type the local / public IP address or the domain name of your GV-IP device / software, for within the LAN or through the Internet. For the public IP address, see *Step 3, 5.3 Port Forwarding*.
- Only modify the Web Port of 80, which is the default web port for all GV-IP devices / software, when the corresponding web port on the device / software has been changed.
- In the Port field, type the value listed under the Connection Port column in *Default Port Settings* in *1. Specifications*, depending on your GV-IP device / software.
- Type the login Username and Password of your GV-IP device / software.




- Tap **Test Connect**. The total number of cameras and each installed camera are displayed.
- By default, all installed cameras are selected. To change this setting, tap the check marks next to the cameras to deselect them, or tap **Select** to specify the number of cameras to be added.
- Tap **Save** on the top-right corner. The selected cameras are added to Camera List.

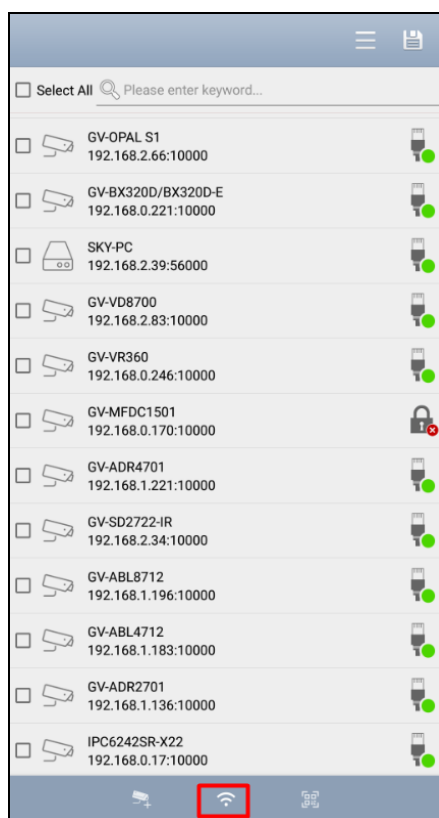




5.5 Automatic Connection

For automatic connection, GV-IP devices or software must be within the same LAN as your GV-Eye. To connect to GV-Software, the relevant software settings must first be enabled; see *5.1 Required Configurations on GV-Software before Connecting*.

5.5.1 General Mode

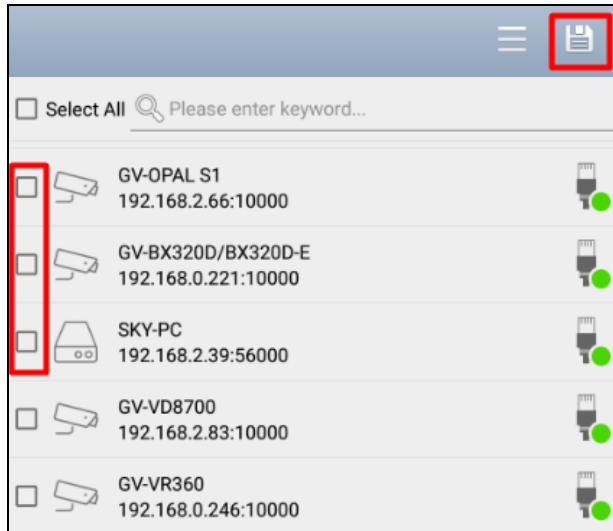
1. Tap the **GV-Eye** icon  on the desktop of your mobile device. This page appears.
2. Tap the **Add** button . The Add Device page appears.
3. Tap the **WiFi** icon . GV-IP devices or software within the same LAN are detected.



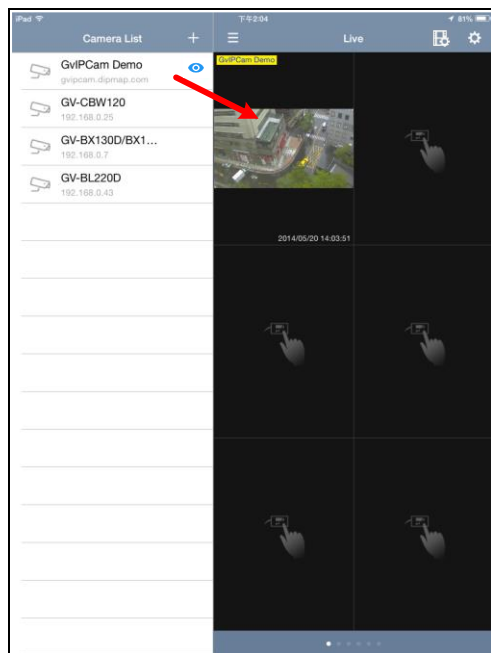
| Icon | Description |
|---|--|
|  | Logged in successfully |
|  | Incorrect login – tap to type the login Username and Password for the device |



4. Select the desired GV-IP devices or software and tap **Save** .

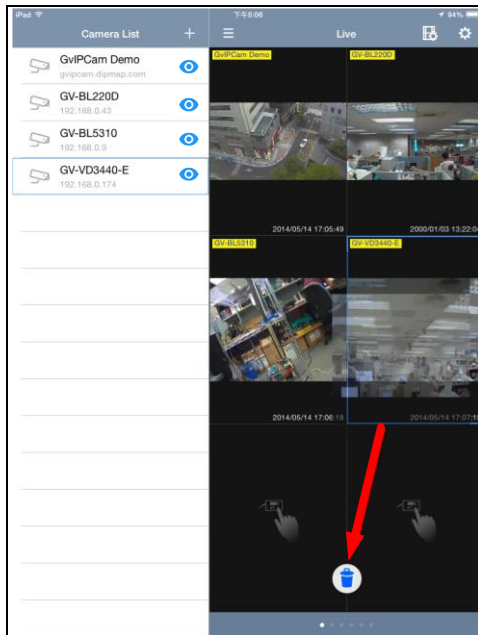


5. To view a camera live view, drag it from the Camera List to the desired grid.

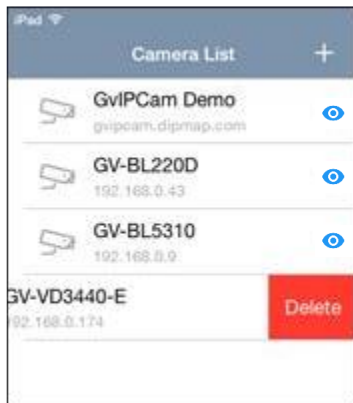




- To disconnect a live view, tap and drag it to the trash can symbol.



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



- 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.



5.5.2 Easy Mode

1. Follow Steps 1 to 2 in *6.4 Manual Connection* to access the Add Device page.
2. Tap **Search by Wifi**. GV-IP devices or software within the same LAN are detected.
3. Select the desired software or IP device and type its login ID and password.

Once connected, the live view of all channels will be displayed.






5.6 Push Notifications






To enable push notifications from GV-VMS V20, follow the steps below.

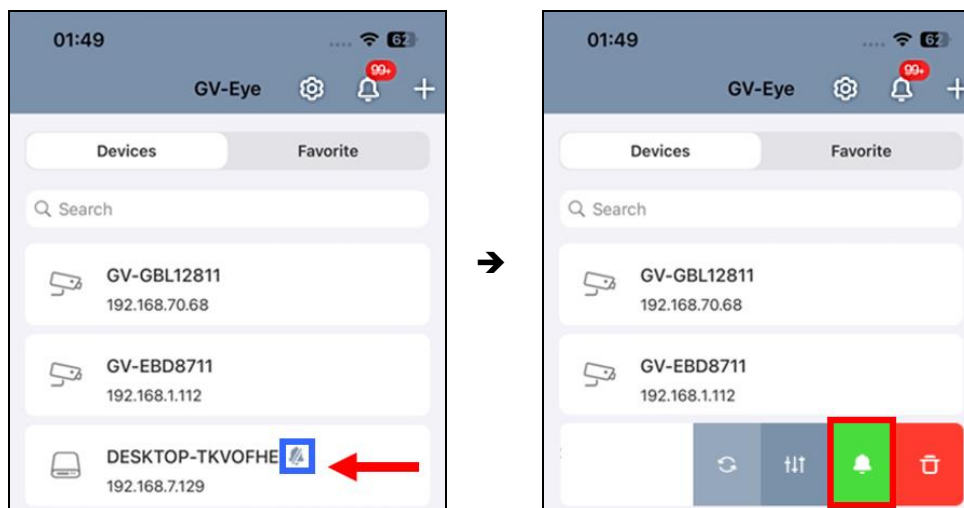
Note: Only GV-VMS V20.1 or later supports push notifications to GV-Eye.

GV-VMS V20:

1. Connect to GV-VMS V20 by following the steps in *5.1.1 Connection Settings on GV-VMS*.
2. To allow GV-Eye to receive push notifications from GV-VMS V20, go to **Home**  > **Toolbar**  > **Network** , and ensure **WebCam Server** is enabled.

GV-Eye:

3. To verify if GV-Eye can receive push notifications from GV-VMS V20, go to the **Device List**.
 - If either icon  or  appears next to the host name, GV-Eye is able to receive push notifications from the host.
 - If the icon  appears, push notifications are currently enabled.
 - If the icon  appears, push notifications are currently disabled. Swipe left on the host, and tap the  button to enable them.

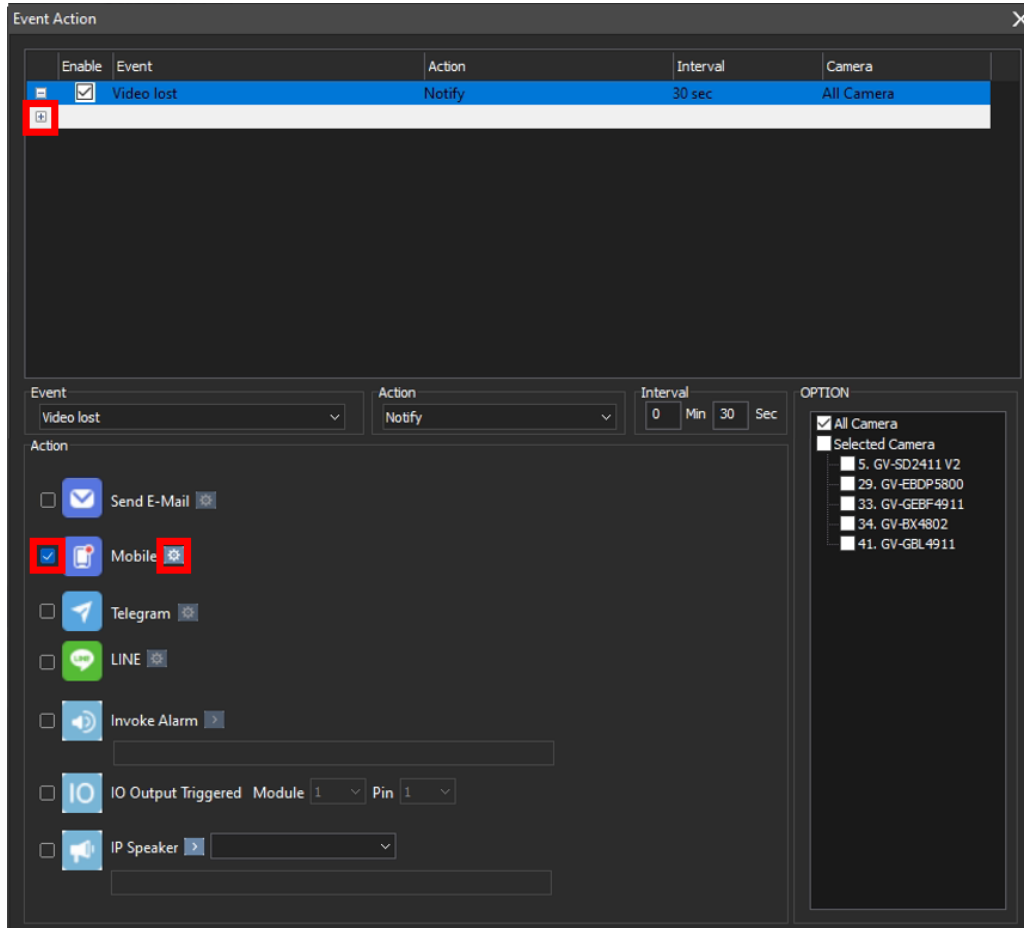


Note: For GV-VMS V20 hosts added in GV-Eye V3.6 or later, push notifications are enabled by default. For hosts added before upgrading to V3.6, they are disabled by default and must be enabled manually.

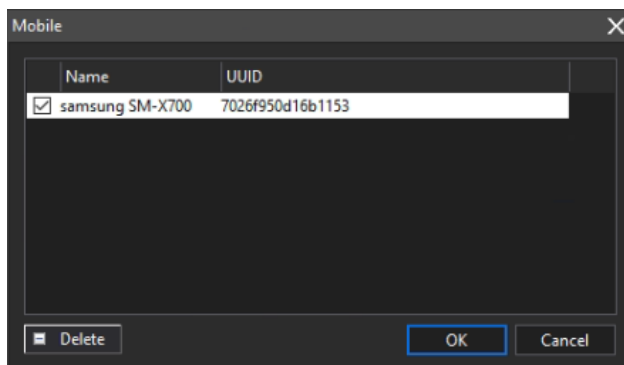


GV-VMS V20:

- To configure push notifications from GV-VMS V20 to GV-Eye, go to **Home** > **Toolbar** > **Configure** > **System Configure** > **Send Alerts Approach Setup**. The Event Action dialog box appears.



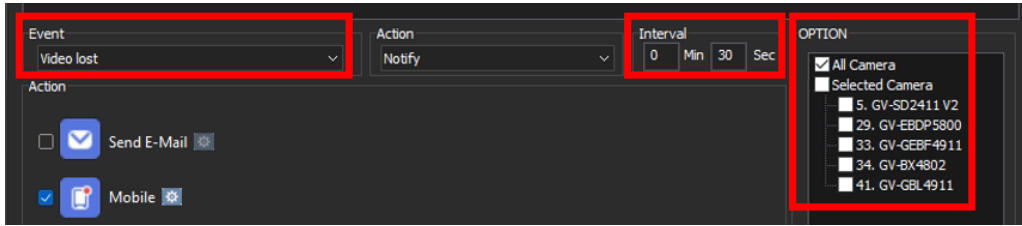
- Select an existing event from the list, or click + to add a new event. The selected event is highlighted in blue.
- Enable **Mobile** and click **Setup** . This dialog box appears.






- Select the mobile devices you want to send push notifications to.
- Click **OK** to apply the settings.



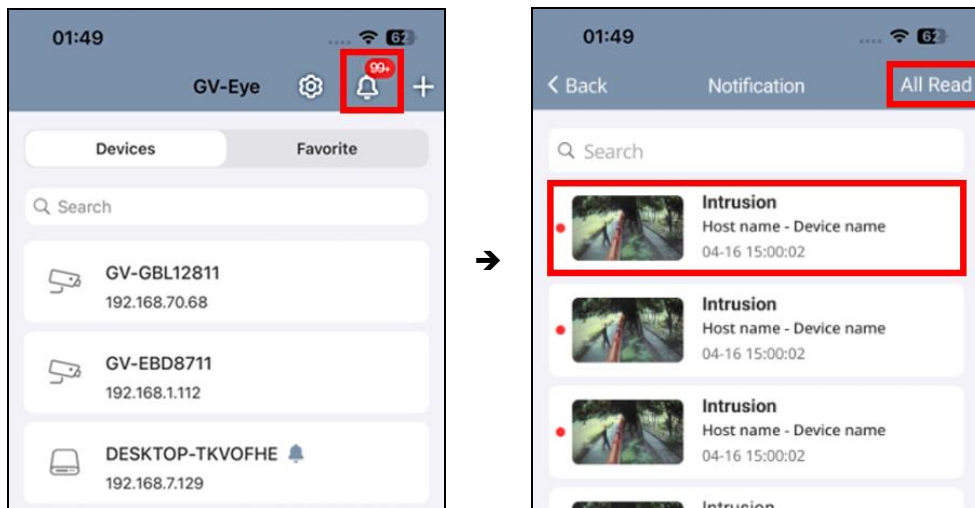
- Back in the Event Action dialog box, select the desired Event Type from the dropdown list.



- Select the cameras this event action applies to (only available for certain events).
- Select the regions this event action applies to (only available for certain events), which are defined in **AI Cam Settings (Home  > Toolbar  > Configure  > Video Process > IPCVA)** for events such as Intrusion and Cross Line. In AI Cam Settings, these regions are referred to as Detection Rules, Detection Regions / Lines, or Alarm Areas.
- Optionally change the **Interval** (default: 30 sec; range: 0 sec to 59 min 59 sec), which defines the minimum time gap between repeated push notifications for the same event to prevent excessive or duplicate alerts.

GV-Eye:

- When GV-Eye receives a push notification from the host upon an event trigger, a number appears on the Notification List button on the Main Page and updates accordingly, indicating the number of unread notifications. To view the notifications, click the **Notification List** button. The Notification List appears.





14. In the Notification List, red dots next to notifications indicate unread items. Click a notification to view its event snapshot and details. At the bottom of the snapshot, click the **Live** and **Playback** buttons to view the live view and playback of the event.



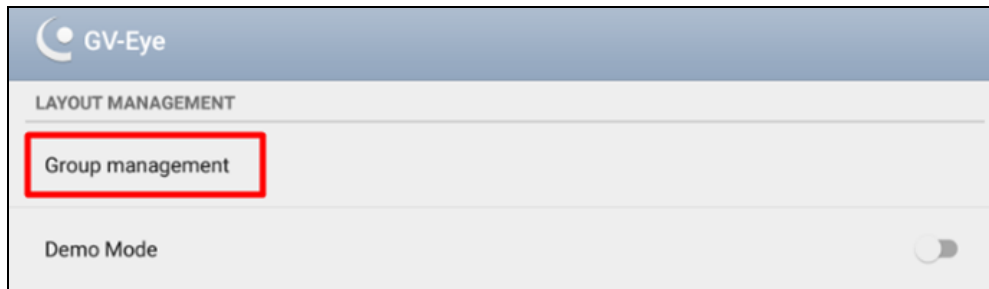
15. Back in the Notification List, you can click **All Read** at the top right to mark all notifications as read.



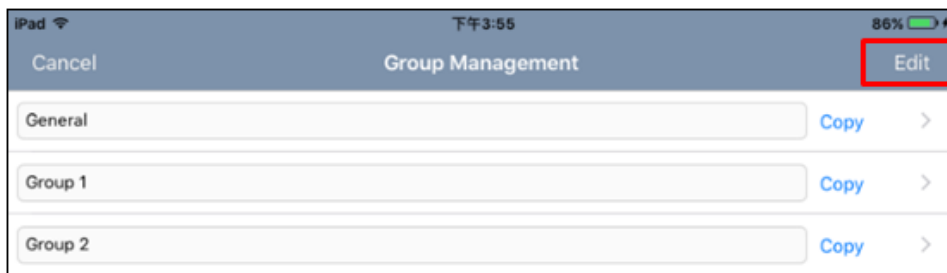
6. Group Management in General Mode

Follow the steps below to organize IP devices on GV-Eye by creating up to 100 groups. Note that this function is only applicable in **General Mode**.

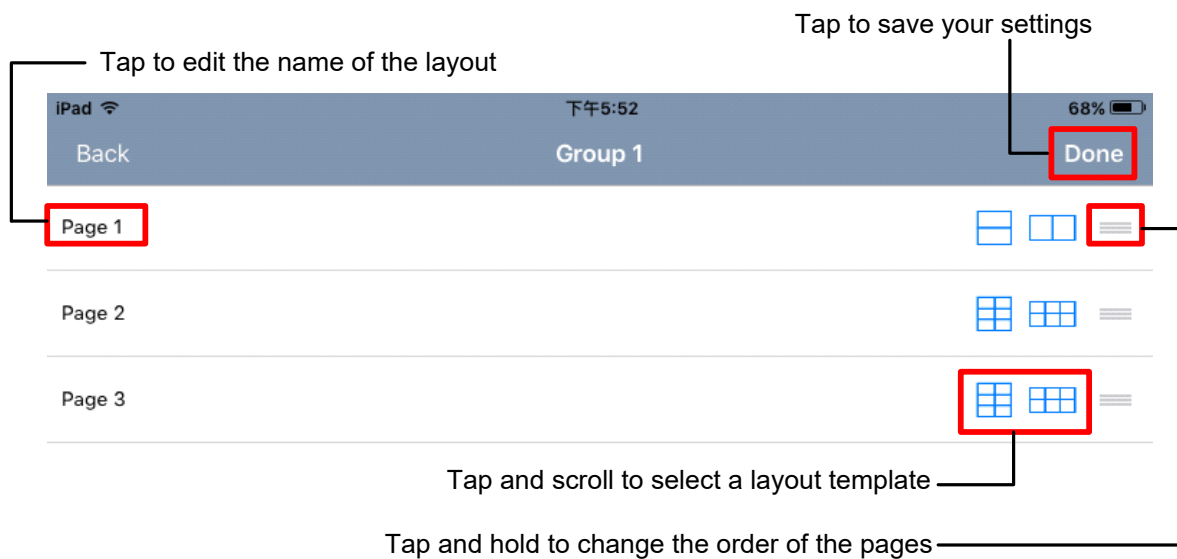
1. In the Settings page (No. 6, 4.1 General Mode), tap **Group Management**.



2. On the Group Management page, tap **Edit**, and tap the name field to name the group.



3. To choose layouts for each group, tap the > sign. There are 20 pages in total, each of which displays up to 16 live view channels.





- Return to the main page and select a desired group for adding IP devices.


Click to display the drop-down list of the group menu

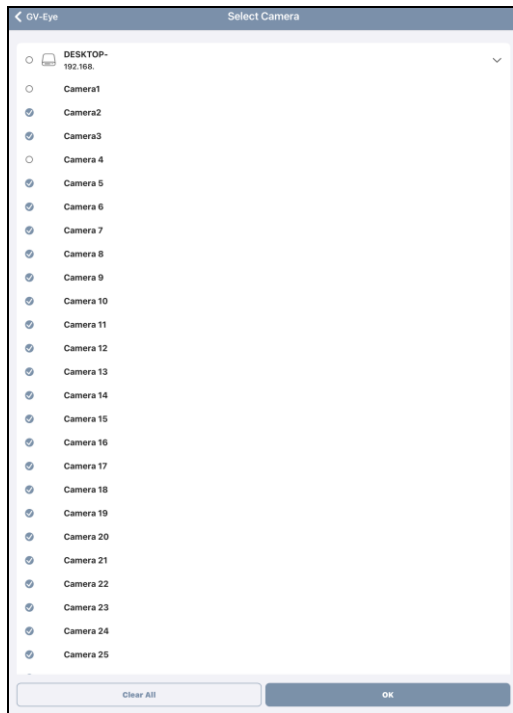
The screenshot displays the GeoVision mobile application interface. On the left, a group menu is shown with the following items: 'Group 1' (highlighted with a red box and a plus sign), 'General', 'Group 1' (with an eye icon), 'Group 2', 'Group 1 (copy)', and 'Group Management' (with a gear icon). A line points from the text 'Click to display the drop-down list of the group menu' to the 'Group 1' item in the menu. The main screen shows a list of devices under the 'Group 1' header: 'TEST-303-PC' (192.168.2.224), 'GV-BL220D' (192.168.0.43), 'GV-BL5310' (192.168.0.9), and 'GV-VD3440-E' (192.168.0.174). To the right, a grid of camera feeds is visible, including 'GvIPCam Demo', 'GV-BL220D', 'GV-BL5310', and 'GV-VD3440-E', each with a timestamp.



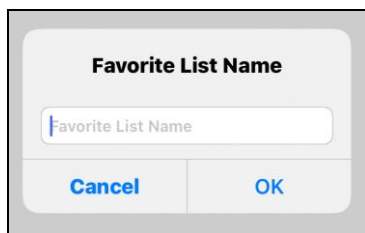
7. Favorite List in Easy Mode

Follow the steps below to create several favorite lists for IP devices on GV-Eye. Note that this function is only applicable in **Easy Mode**.

1. On the main page, tap the **Add** icon  (No. 4, 3.2 Easy Mode).
2. Tap **Add Favorite** on the popup dialog box.
3. Select the devices you wish to include in the Favorite list, and tap **OK**.



4. Name the Favorite list on the dialog box.





5. On the main page, tap **Favorite** (No. 2, 3.2 Easy Mode) to access the list.



6. Swipe left on the list to edit or delete it.



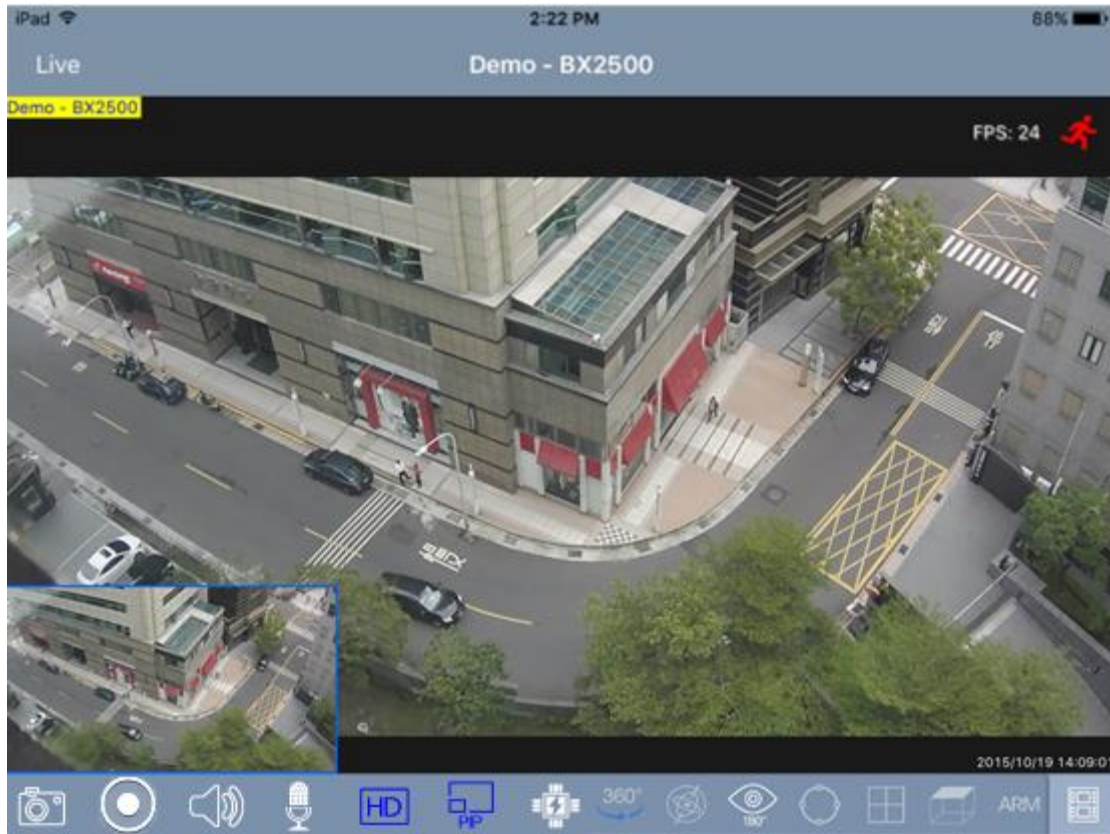
7. Tap the list to access live views of all devices included in the list.
8. To create other lists, repeat Steps 1 ~ 4 above.





8. Live View

8.1 General Mode
















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










You can access the following functions by tapping the corresponding icon. When the functions are 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. |
|  | Camera Status | <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 |




| Icon | Name | Function |
|---|-------------------------------|---|
|  | Record ⁽⁴⁾ | Tap the button to enable or disable recording to the connected camera. |
|  | Speaker | Broadcasts sounds from the surveillance site. This function is enabled by default. |
|  | Microphone ^{(2) (3)} | Speaks to the surveillance site. This function is enabled by default. |
|  | Stream Switch | Switches to a higher quality 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 ⁽⁵⁾ | <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 focuses the live view. This function is only accessible when the PTZ panel is enabled. |
|  | I/O Trigger ⁽¹⁾ | Manually triggers the output and edit the output naming displayed on your mobile device. |









| Icon | Name | Function |
|---|-----------------|--|
|  | 360° Mode | Displays the live view of a camera in panoramic view. You can swipe fingers on the screen in every direction to explore a 360° video. This function is disabled by default. Enables 360° View in the Settings page (see 11. System Settings), and the icon will be added on the live view. |
|  | VR Mode | Switch the display mode of camera live view between 360° Mode  or VR head set view  . This function is disabled by default. Taps 360° Mode  and the icon will be added on the live view. |
|  | Gyroscopic Mode | Allows the live image to rotate with the movement of a mobile device, such as a VR head set. This function is disabled by default. Taps 360° Mode  , and the icon will be added on the live view. |

| | | |
|---|-------------------|--|
|  | Fisheye Dewarp | Dewarps the fisheye live view and allows users to align the live view, select display mode and define the installation type. For details, see Image Alignment , Display Mode and Installation Type in this table. |
|  | 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 |




| Icon | Name | Function |
|---|--------------------|---|
|  | Alarm Notification | <p>Enable the alarm notification to GV-Center V2 when events occur. This function is disabled by default. Enable ARM & E-mail in the Settings page (see <i>11. System Settings</i>), and the icon will be added on the live view. This function is only available for General Mode.</p> <p>Note: The notification settings should be configured in advance on GV-IP Cameras.</p> |

| | | |
|---|---------------------|---|
|  | E-mail Notification | <p>Enable the function of receiving alert notification through e-mails when events occur. This function is disabled by default. Enable ARM & E-mail in the Settings page (see <i>11. System Settings</i>), and the icon will be added on live view. This function is only available for General Mode.</p> <p>Note: The notification settings should be configured in advance on GV-IP Cameras.</p> |
|  | Playback | Plays back recordings. For details, see <i>9. 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. This function is only available for General Mode . |
|  | FPS | Indicates the number of frames per second, ranging from 0 to 30. The more frames per second, the smoother the motion appears. |



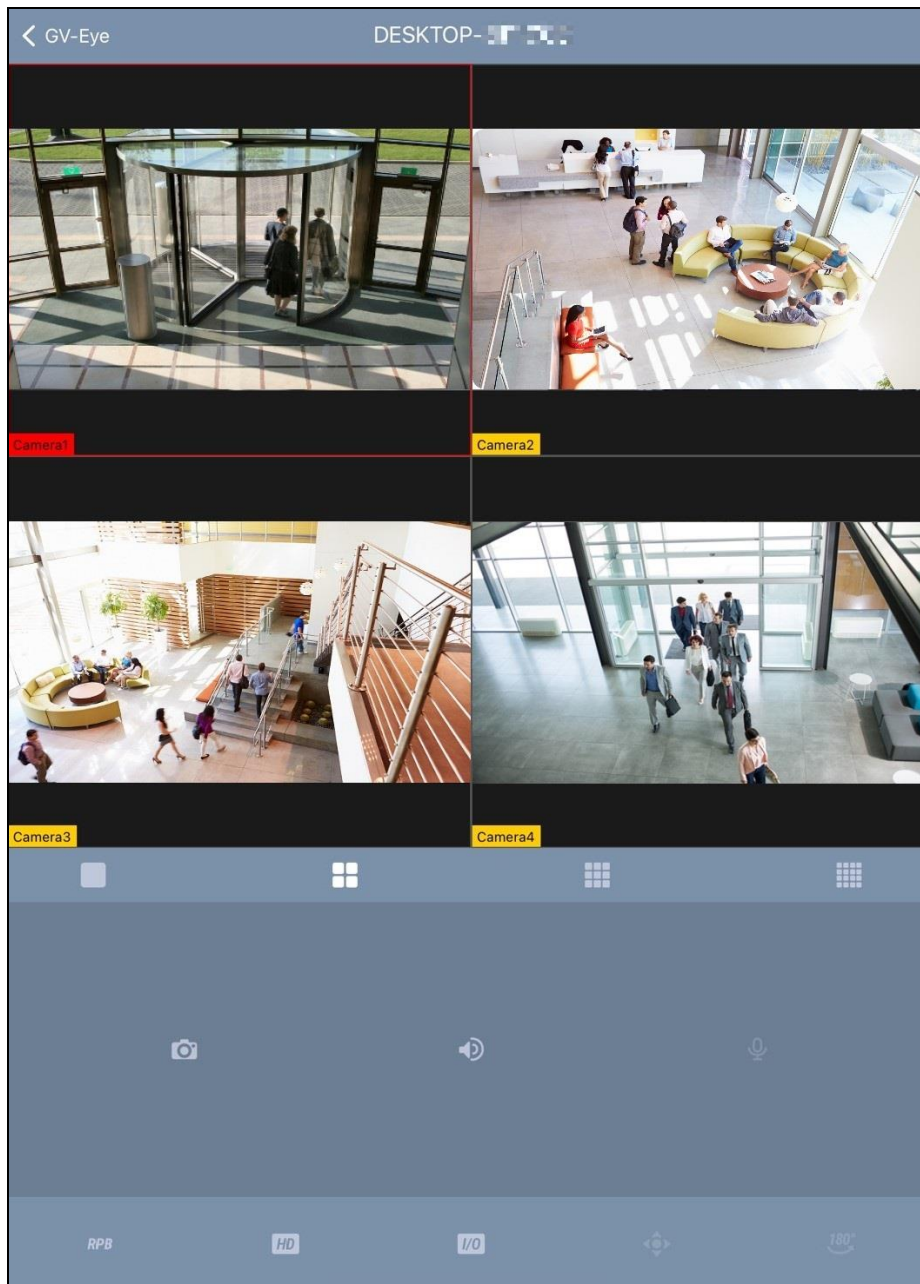
Note:

1. I/O Trigger is only supported by certain GV-IP Cameras. For the complete list of unsupported GV/UA-IP Cameras, see this [document](#).
 2. The Microphone function is supported only by GV-IP Cameras and GV-Recording Server V1.3 or later.
 3. The Microphone function requires setting **RTSP Authentication** to **Basic** from Setup > Security > Network Security > Authentication on the cameras' Web interface. For the list of applicable GV-IP Cameras, see this [document](#).
 4. Recording  can only be enabled or disabled for compatible products and versions. See *14.2 Supported Products for Enabling Recording*.
 5. PTZ Panel functions are fully or partially supported by the following GV-IP devices:
 - GV-IP Speed Domes and GV-PTZ Cameras: all functions supported
 - GV-PT Cameras: 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
 - GV-PTZ cameras connected via GV-SNVR3203 / 6403, GV-TNVR1620-P, or GV-TXVL1610
-



















8.2 Easy Mode

Tap the desired device on the main page to access its live view.











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

| Icon | Name | Function |
|---|-------------------------------|---|
|  | Layout | Tap the desired display division to set the live view layout. The layout is set to 16-division by default. |
|  | Snapshot | Snapshots the current live view and saves it to the photos or gallery folder of your mobile device. |
|  | Speaker | Broadcast sounds from the surveillance site. This function is enabled by default. |
|  | Microphone ^{(2) (3)} | Speaks to the surveillance site. This function is disabled by default. |
|  | Playback | Plays back recordings. For details, see 9. <i>Playing Back Recordings</i> . |
|  | Stream Switch | Switches to a higher quality stream. By default, stream 2 (with lower resolution) is connected. |
|  | I/O Trigger ⁽¹⁾ | Manually triggers the output displayed on your mobile app. |
|  | PTZ Panel ⁽⁴⁾ | <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 |
|  | Fisheye Dewarp | Dewarps the fisheye live view and allows users to align the live view, select display mode and define the installation type. Make sure to enable the function by tapping on the switch button. For details, see Image Alignment, Display Mode and Installation Type in this table. |



| | | |
|---|--------------------------|--|
|  | <p>Image Alignment</p> | <p>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.</p> |
|  | <p>Display Mode</p> | <p>Defines the display mode of a GV-Fisheye Camera.</p> <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 |
|  | <p>Installation Type</p> | <p>Defines the installation type of a GV-Fisheye Camera. Tap the icon and select among:</p> <ul style="list-style-type: none"> •  ceiling mount •  wall mount •  ground mount |

Note:

1. I/O Trigger is not supported by certain GV/UA-IP Cameras. For the complete list of unsupported models, see this [document](#).
2. The Microphone function is supported only by GV-IP Cameras and GV-Recording Server V1.3 or later.
3. The Microphone function requires setting **RTSP Authentication** to **Basic** from Setup > Security > Network Security > Authentication on the cameras' Web interface. For the list of applicable GV-IP Cameras, see this [document](#).
4. PTZ Panel functions are fully or partially supported by the following GV-IP devices:
 - GV-IP Speed Domes and GV-PTZ Cameras: all functions supported
 - GV-PT Cameras: 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
 - GV-PTZ cameras connected via GV-SNVR3203 / 6403, GV-TNVR1620-P, or GV-TXVL1610



9. Playing Back Recordings

GV-Eye supports playback from various devices and software. See 9.1 *Playback Compatibility* below.

- GV-Eye supports **single-channel playback** only.

[Remote Playback Requirements]

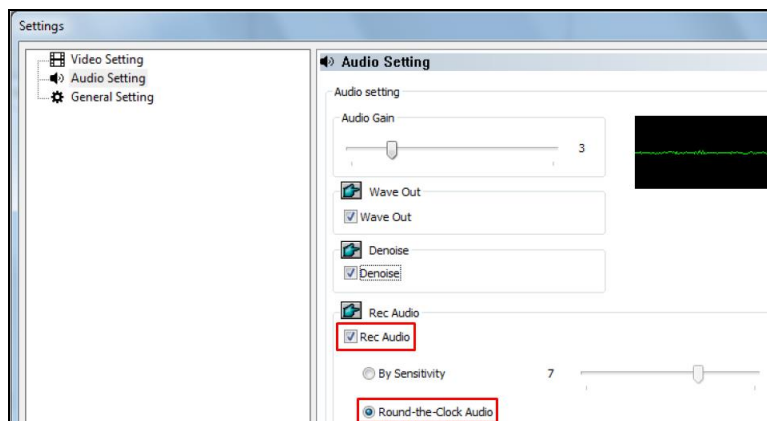
Make sure the following functions are enabled ahead to allow remote access from GV-Eye:

- GV-NVR / GV-VMS: enable **Remote ViewLog Service**. See 5.1 *Required Configurations on GV-Software before Connecting*.
- GV-IP Camera / GV-Video Server / GV-Compact DVR: enable **ViewLog Server**.

[Audio Playback Settings]

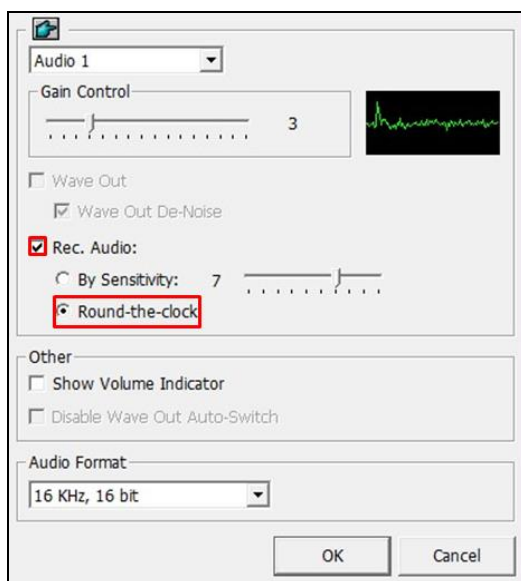
To enable audio in GV-Eye playback, activate the corresponding Audio Settings in hosts.

- **GV-VMS**: Setup > Audio Setting > enable **Rec Audio** and **Round-the-Clock Audio** options.





- **GV-NVR:** Configure > A/V Settings > Audio Settings > enable **Rec Audio** and **Round-the-Clock Audio** options.



- **GV-SNVR0400F / 0411 / 0412 / 0811 / 0812 / 1600 / 1611 / 1612:** Camera Settings > enable **Audio**.

Note: If a router or firewall is installed with remote servers and IP devices, ensure the playback port is open. For example, to play back files from GV-NVR / VMS, open port 5552 on the router. For Windows Firewall settings, see [5.2 Configuring Windows Firewall for Communication](#). For port forwarding and a full list of default port numbers, see [5.3 Port Forwarding](#).



9.1 Playback Compatibility

In the following table, “△” indicates that not all models in that row support the corresponding feature.

| Hardware/Software | General Mode | Easy Mode |
|--|------------------|------------------|
| GV-IP Devices | △ ⁽²⁾ | X |
| GV-NVR | O | X |
| GV-VMS | O | O |
| GV-Recording Server | O | O |
| GV-Video Gateway Server | X | X |
| GV-Mobile Server | X | X |
| GV-RNVRL810-P / 3240-N / 256G0-N | O | O |
| GV-SNVR0400F / 0411 / 0412 / 0811 / 0812 / 1600 / 1611 / 1612 | △ ⁽³⁾ | △ ⁽³⁾ |
| GV-SNVR3203 / 6403 | O | O |
| GV-TNVR1620-P / TXVL1610 | O | O |
| GV-Cloud Bridge / Cloud Bridge Pro | O | X |
| UA-SNVR / DVR | O | O |
| UA-IP Cameras | X ⁽²⁾ | X ⁽²⁾ |


Note:

1. GV-Eye supports playback only from certain GV-IP Cameras. For the list of unsupported GV/UA-IP Cameras, see this [document](#).
2. GV-Eye does not support playback from **GV-SNVR0400F**. For GV-SNVR1600, playback is only supported by firmware V1.2 or later.
3. A maximum of two GV-Eye connections is supported at a time for playback from the following GV/UA-SNVR / HD DVR models: GV-SNVR0411 / 0412 / 0811 / 0812 / 1600 / 1611 / 1612, UA-SNVRL810-P / 1620-P, UA-XVL810 / 1610 / 1611, and UA-XVR810 / 1620.





9.2 Accessing Recorded Files in General Mode

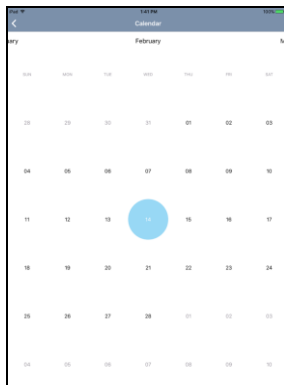
The following instructions are only for **General Mode**.

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



Note: The date and time marked with the asterisk (*) symbol indicates its daylight-saving time (DST).

2. The recorded files for the day are listed. Tap to select up to five videos. Tap  to start playing.
3. You can also tap the calendar icon  to view the recording status.







9.3 Playback Display

9.3.1 General Mode













The full-screen display is as below.








You can access the following functions by tapping the corresponding icon. With the functions enabled, the icons glow blue.

| Icon | Name | Function |
|---|----------|---|
|  | Export | Saves the .mp4 playback file when it is ready and share it with smartphone apps available on your mobile device. Note: The exported video does not include audio. |
|  | Snapshot | Snapshots the current playback and saves it to the photos or gallery folder of your mobile device. |



| Icon | Name | Function |
|---|------------------|--|
|  | 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 playback you wish to examine. You can then glide on the screen to see the different parts of the close-up view. |
|  | Hide Control Bar | Hides the control bar on the playback window so that the users can get a full view of the playback display. |
|  | Rotate | Rotates the playback display by 90° for each tap. |
|  | Fisheye Dewarp | Dewarps the fisheye live view and allows users to align the playback scenes, select display mode and define the installation type. For details, see Image Alignment , Display Mode and Installation Type in this table. |
|  | 360° Mode | Displays the live view of a camera in panoramic view. You can swipe fingers on the screen in every direction to explore a 360° video. This function is disabled by default. Enables 360° View in the Settings page (see 11. System Settings), and the icon will be added on the live view. |
|  | VR Mode | Switch the display mode of camera live view between 360° Mode  or VR head set view  . This function is disabled by default. Taps 360° Mode  and the icon will be added on the live view. |
|  | Gyroscopic Mode | Allows the live image to rotate with the movement of a mobile device, such as a VR head set. This function is disabled by default. Taps 360° Mode  , and the icon will be added on the live view. |
|  | 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. |

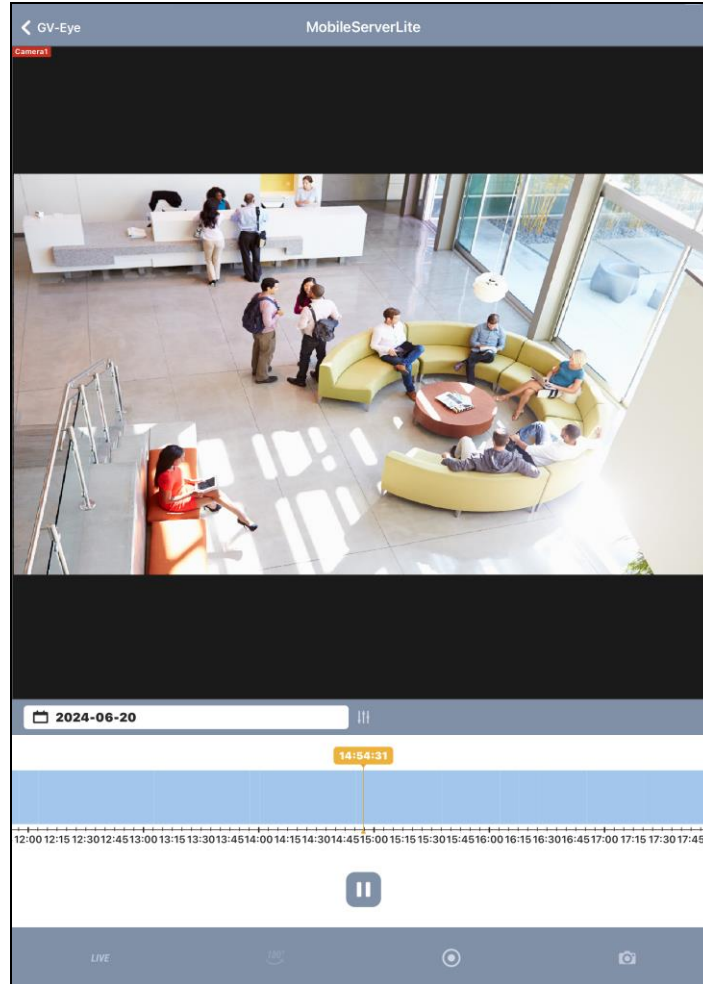


| Icon | Name | Function |
|---|-------------------|---|
|  | Display Mode | <p>Defines the display mode of a GV-Fisheye Camera.</p> <ul style="list-style-type: none"> • Quad View: shows the live view in 4 PTZ views • 360-Degree View: shows 2 PTZ views and a 360° view • Single 180° view: shows one 180° view • Single View: shows one PTZ view |
|  | Installation Type | <p>Defines the installation type of a GV-Fisheye Camera. Tap the icon and select among:</p> <ul style="list-style-type: none"> •  ceiling mount •  wall mount •  ground mount |












9.3.2 Easy Mode

To play back recordings, tap on the live view of the desired channel and select **RPB**. The full-screen display is seen as below. To access event recordings, check the calendar and move the timeline.



| Icon | Name | Function |
|------|-----------|--|
| | Date | Displays the recording date. The dates highlighted in blue include event recordings. |
| | Filter | Defines the timescale in 1 / 6 hours / 1 day, or DST ON. |
| | Live View | Accesses the live view of the channel. |





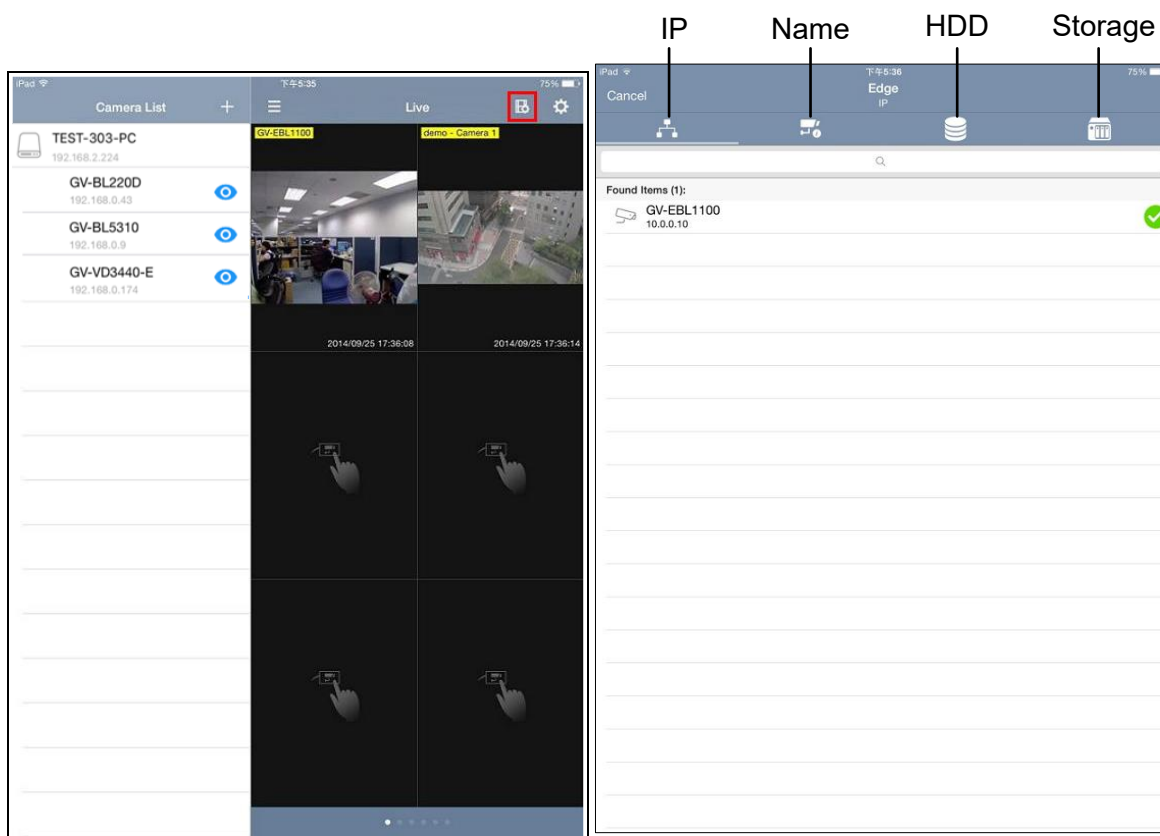
| | | |
|---|-------------------|---|
|  | Fisheye Dewarp | <p>Dewarps the fisheye live view and allows users to align the live view, select display mode and define the installation type. Make sure to enable the function by tapping on the switch button. For details, see Image Alignment, Display Mode and Installation Type in this table.</p> |
|  | Image Alignment | <p>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.</p> |
|  | Display Mode | <p>Defines the display mode of a GV-Fisheye Camera.</p> <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 | <p>Defines the installation type of a GV-Fisheye Camera. Tap the icon and select among:</p> <ul style="list-style-type: none"> •  ceiling mount •  wall mount •  ground mount |
|  | Export | <p>Tap the button and drag on the timeline to select the desired recording duration you wish to export. Once you complete selecting, tap the button again to start exporting.</p> <p>Note: The exported video does not include audio.</p> |
|  | Snapshot | <p>Snapshots the current live view and saves it to the photos or gallery folder of your mobile device.</p> |



10. Edge Settings


The Edge settings section allows you to configure the IP address, device name and storage path for GV-IP devices. Note that the settings are only available for **General Mode**.

To access the settings, enable **Edge Tool** in the Settings page (see 11. System Settings), and the **Edge settings** button  will be added on the main page. Tap  and the Edge settings page appears.



Main Page

Edge Settings Page

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



10.1 Changing IP Address

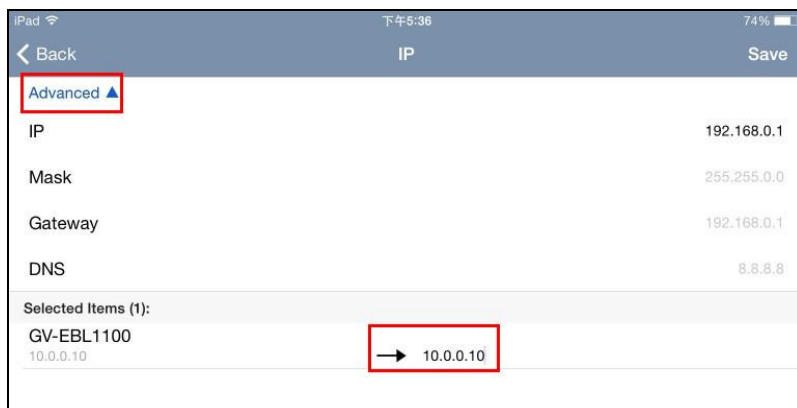
To change the IP address of a GV-IP Device, follow the steps below.

Note: The function of changing IP address is only supported by compatible GV-IP Cameras, GV-Video Servers, and GV-Compact DVRs.

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.



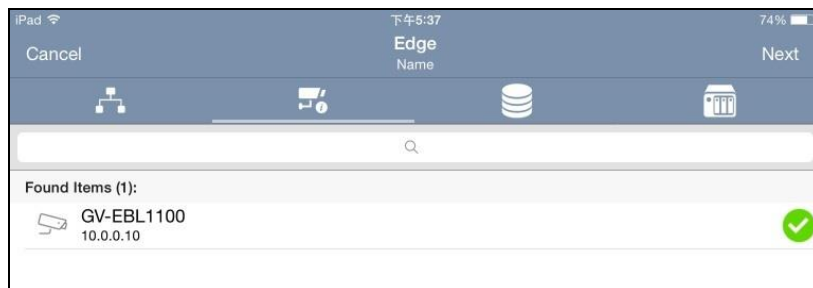


10.2 Changing Device Name

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 Cameras, GV-Video Servers, and GV-Compact DVRs.

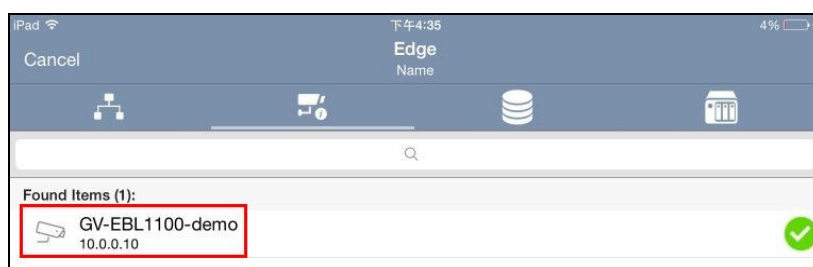
1. On the Edge settings page, tap the **Name** button . The Name settings page appears.



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.






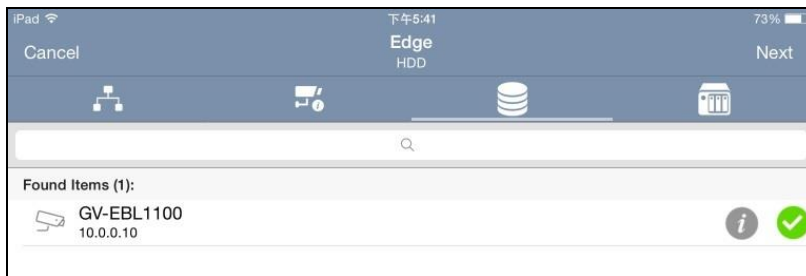
10.3 Assigning Storage Path

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

Note:


1. Make sure to stop 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 System.
-

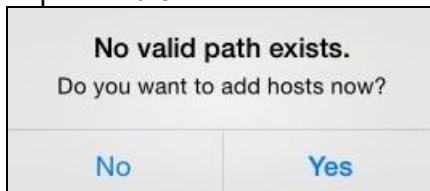
1. On the Edge settings page, tap the **HDD** button . The HDD settings page appears.



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

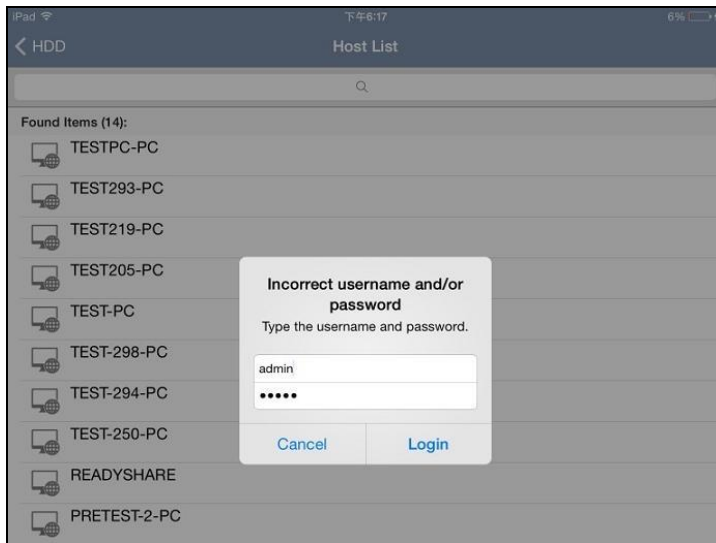


3. Tap the **Edit** button  and select **Yes** in the pop-up dialog box to add a valid path.

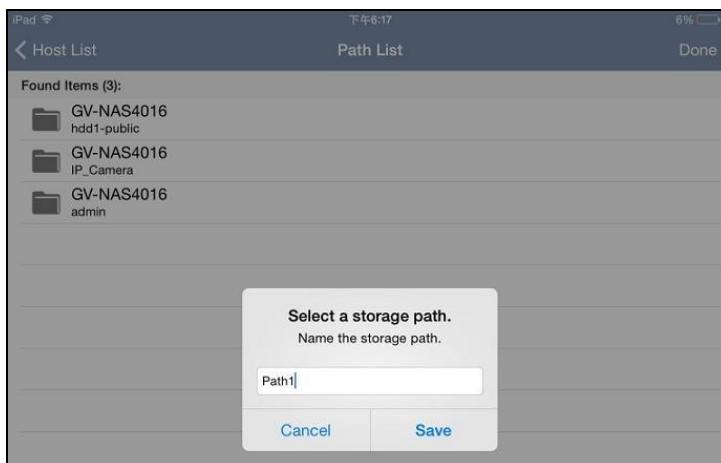





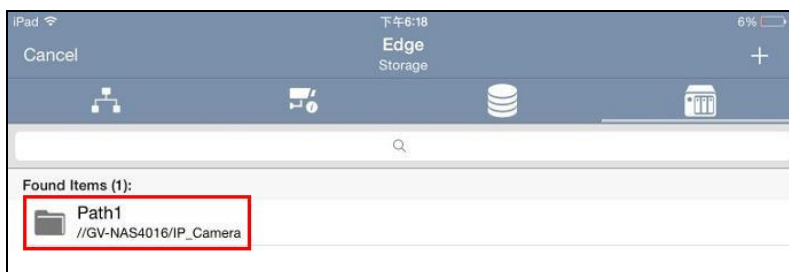
- In the pop-up Host List, select the desired host, type the username and password of the host and tap **Login**.



- 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.





10.4 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.




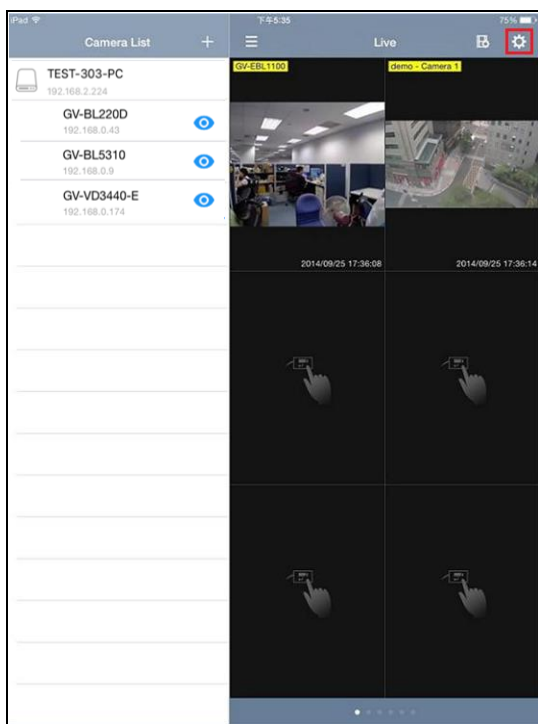
Note:

1. This function is supported only 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 a storage path assigned, the HDD Info page displays the SD card storage capacity.
-

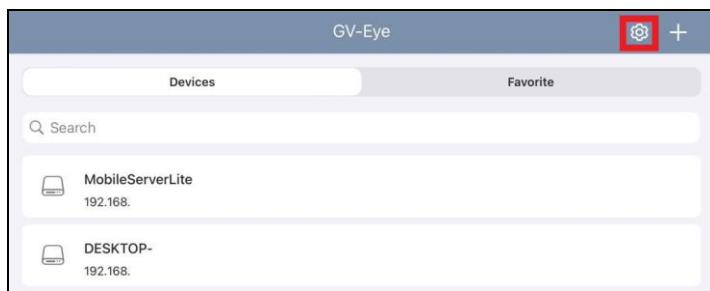


11. System Settings

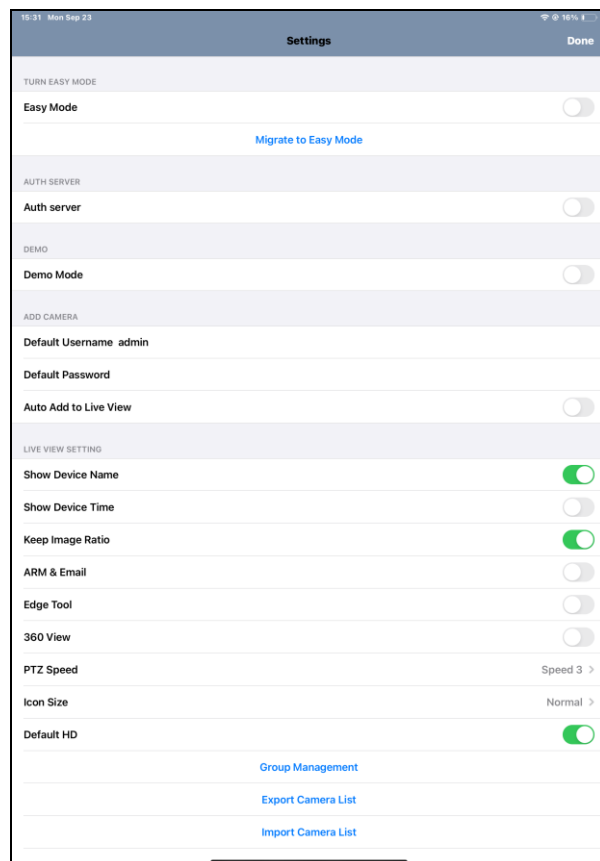
To access GV-Eye settings, tap  on the main page. The settings page appears.



Main Page (General Mode)



Main Page (Easy Mode)



Settings Page

[TURN EASY MODE]

The former UI (General Mode) and upgraded UI (Easy Mode) are independent and you can set up different hosts in each. You can also move hosts from General Mode to Easy Mode.

- **Easy Mode:** Allow you to switch between two modes General Mode and Easy Mode.
- **Migrate to Easy Mode:** After selecting this option, you will be prompted to either add the hosts from General Mode to Easy Mode (**Append**), or replace the hosts in Easy Mode with those from General Mode (**Replace**).



[LAYOUT MANAGEMENT]

- **Group Management:** Create groups and arranges live view layouts. GV-Eye can receive up to 320 channels of live view from various GV-IP devices. Users can create up to 100 groups, and each group has 20 pages in total with each displaying up to 16 channels of live view. See 6. *Group Management in General Mode* for details.
- **Demo Mode:** Display 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**.

[ADD CAMERA]

- **Default Username:** Set the default username when adding a new IP device to the Camera List. The default is **admin**.
- **Default Password:** Set the default password when adding a new IP device to the Camera List. The default is **admin**.
- **Auto Add to Live View:** Automatically display the added IP devices to live view. This function is disabled by default.

[LIVE VIEW SETTING]

- **Show Device Name:** Display device name on live view.
- **Show Device Time:** Display device time on live view.
- **Keep Image Ratio:** Display the live view in proportion to the device's resolution.
- **Multi View Buffering:** Enhance the smoothness of live view with multiple divisions. Note this function is for Android devices only.
- **ARM & EMAIL:** Display the alarm invocation and e-mail notification icons on live view.
- **Edge Tool:** Display the edge settings icon on live view.
- **360 View:** Enable the panoramic view.
- **PTZ Speed:** Change the PTZ speed. Speed 1 is the slowest and speed 5 the fastest.
- **Default HD:** Display the live view in HD quality video. This function is enabled by default.
- ***Export Camera List:** Export the current camera list as a QR code image to the internal storage of smartphone.



- ***Import Camera List:** Scan the QR code containing the camera list, previously exported, to be loaded into GV-Eye. Select **Append** to import a new camera list along with the existing one. Select **Replace** to replace all existing camera list with the newly imported list.
- ***Delete All Entries on Camera List:** Click to delete all entries from the Camera List, regardless in General Mode or Easy Mode.

[ACCOUNT MANAGEMENT]

- ***Add a binding account:** Log into a GV-Relay Account, see 4. *GV-Relay QR Code*.

[PLAYBACK SETTING]

- ***Audio:** Enable Audio function for video playback.

[SYSTEM SETTING]

- ***Hardware Acceleration:** Enable this function to improve the smoothness of live view and playback. This option is available only on Android devices. On iOS devices, it is enabled by default and cannot be disabled.
- ***Disable Screen Off:** Turn off sleep mode of the mobile device when the GV-Eye is running.


Note: In **Easy Mode**, only the functions marked with an asterisk (*) symbol are available.



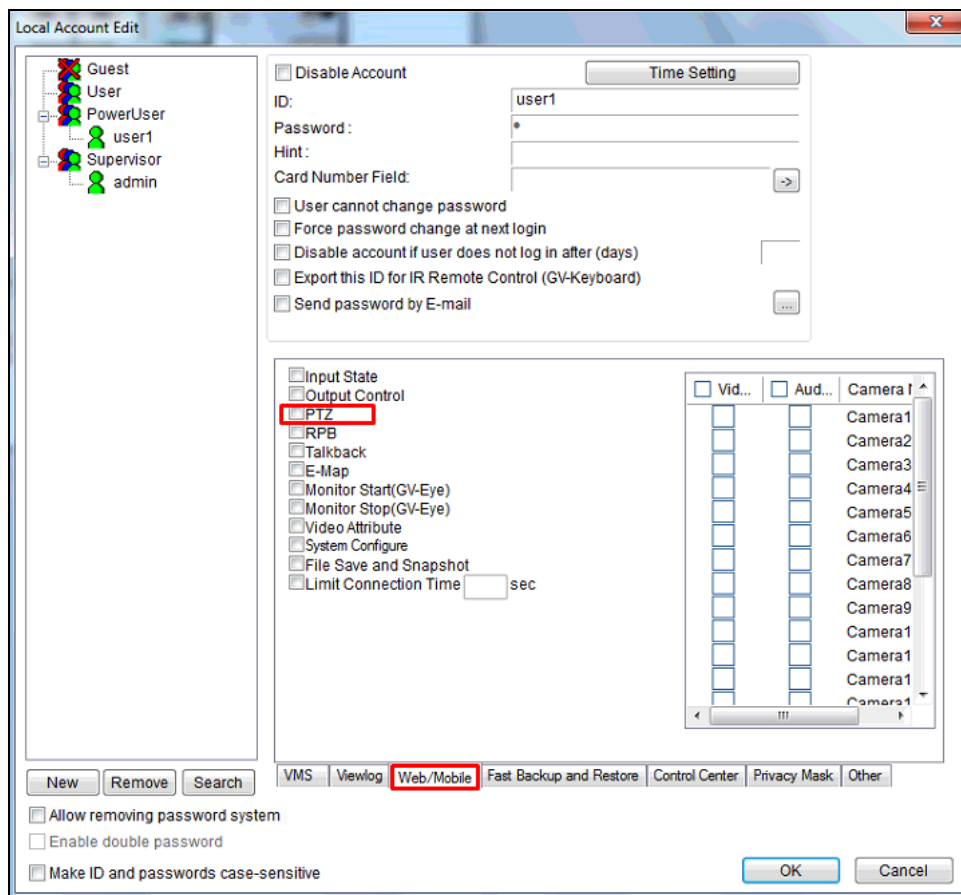
12. Defining the User Privilege of GV-VMS for GV-Eye

In GV-VMS, you can change user privileges to control which user accounts have access to Video, Audio, PTZ, Monitor Start / Stop, and I/O Output Control using GV-Eye app.

To set up the user privilege:

1. Click **Home** , click the account ID > **Password Setup** > **Local Account Edit** > the **Web / Mobile** tab.
2. You can select or deselect certain camera functions, such as **Video**, **Audio**, **PTZ**, **Monitor Start / Stop** and **I/O Output Control**.

For example, in GV-VMS's Local Account Edit dialog box, you can restrict User1 access to PTZ. Then, when a user logs in to GV-Eye using User1's ID and password, you will notice that User1 is unable to use PTZ.





13. Connecting to Authentication Server

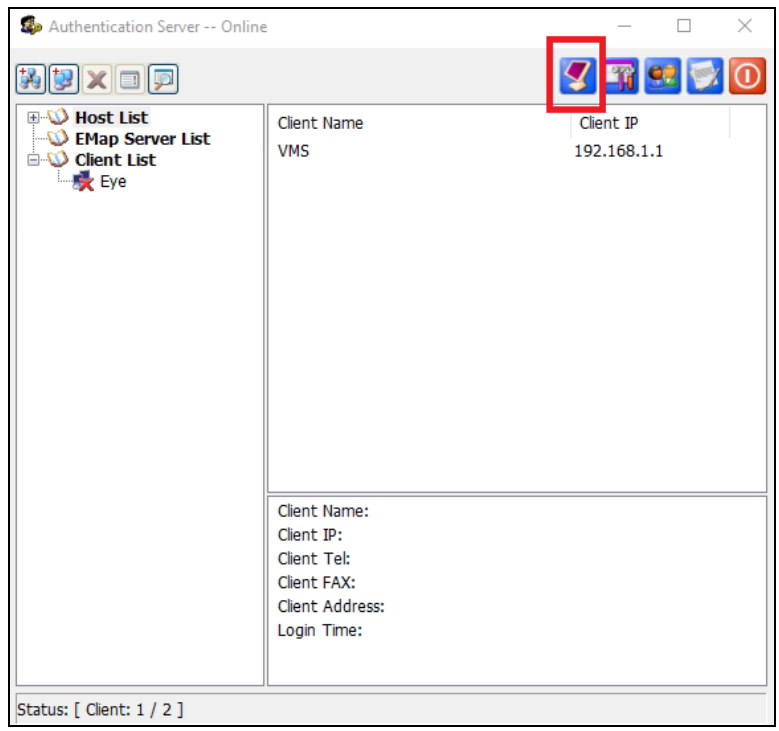
GV-Authentication Server is a centralized credential management system that enables you to manage multiple GV-NVR / VMS systems. Connecting to GV-Authentication Server, using GV-Eye, allow you to view cameras from numerous GV-NVR / VMS systems with a single GV-Authentication user account.

Note:

- 1. While GV-Eye is connected to the GV-Authentication Server, other device connection functions will be disabled.
- 2. This applies only to GV-Eye for iOS / Android V2.8 or later (in General Mode) and GV-Authentication Server V18.3 or later.

To create clients / user accounts in GV-Authentication Server:

- 1. To create a GV-Eye client, highlight **Client List** from the left panel and click **Add A Client** button.
- 2. To create an Authentication user account with access to assigned GV-NVR / VMS systems, go to **Account Setup > Password Setup**. Refer to *Creating User Accounts, 11.5 Authentication Server* in [GV-DVR / NVR User's Manual](#), or *9.4 Authentication Server* in [GV-VMS User's Manual](#).
- 3. Click the **Start Service** button on GV-Authentication Server.

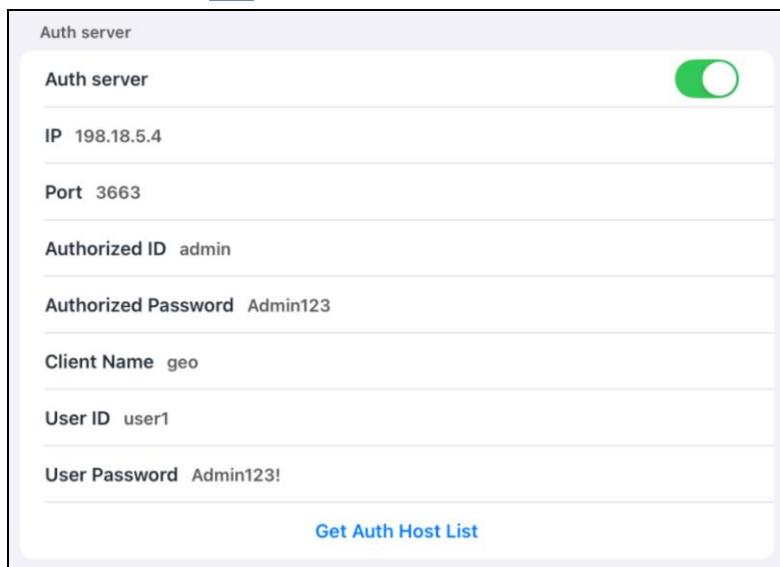




To connect to GV-Authentication Server:

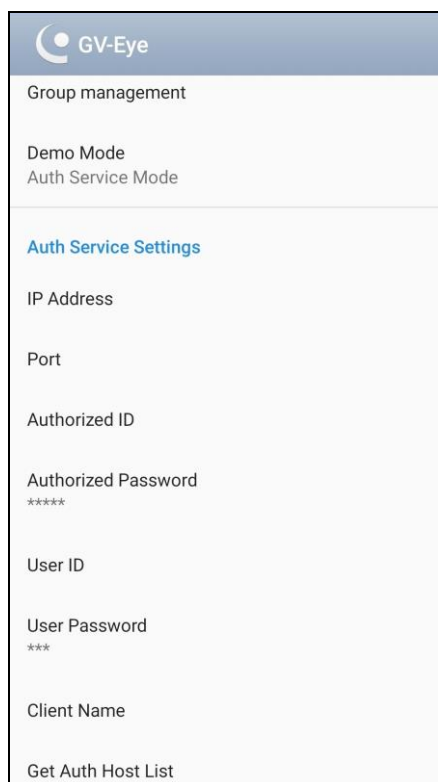
For iOS users

1. Click **Settings**  > **Auth Server**. The following page appears.



For Android users

1. Click **Settings**  > **Demo Mode** > **Auth Service Mode**. The following page appears.



Note: Before proceeding to obtain the GV-Authentication Server host list, you may optionally enable **Settings**  > **Add Camera** > **Auto Add to Live View**.



2. Type **IP Address**, **Port**, **Authorized ID**, and **Authorized Password** of GV-Authentication Server.
3. Type the following connection information:
 - **Client Name:** Type the client name you have created on GV-Authentication Server.
 - **User ID / User Password:** Type the ID and password of the user account you have created on GV-Authentication Server.
4. Select **Get Auth Host List**.

After GV-Authentication Server is successfully connected to GV-Eye, you will be able to access cameras from multiple GV-NVR / VMS systems assigned to the Authentication user account.



14. Supported GV / UA-IP Devices and Software

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

14.1 Supported Products for Connection

To upgrade your GV-IP devices to the latest firmware, please visit our [website](#).

GV-IP Camera

- **All GV-IP Cameras** (with the latest firmware)

GV-Cloud Bridge Series

- **GV-Cloud Bridge**
- **GV-Cloud Bridge Pro**

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)
- **GV-VS2400 / 2401 / 2420 / 2800 / 2820 / 21600**
- **GV-GVS2100**

GV-Standalone Network Video Recorder

- **All GeoVision Standalone SNVR** (with the latest firmware)

GV-HD DVR

- **GV-TXVL1610**



UVS Product Line

- **UA-IP Cameras: UA-B580F3 / R500F2 / R560F2 / R580F2 / R800F2**
- **All UA-SNVRs**
- **All UA-DVRs**

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** (V17.4 / V18.1 / V20.0 or later)
- **GV-NVR** (V8.6 or later)
- **GV-Authentication Server** (V18.3.0 or later)



14.2 Supported Products for Recording

You can enable or disable recording for the following products and versions remotely through GV-Eye.

GV-IP Camera

- **Specific GV-IP Cameras** (with the latest firmware)¹

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)
- **GV-VS2400 / 2420**
- **GV-VS2401**
- **GV-VS2800 / 2820**
- **GV-VS21600**

Video Management Software

- **GV-VMS** (V17.4 / V18.1 / V20.0 or later)
- **GV-NVR** (V8.6 or later)

Note: When connected to GV-Eye, recording is only supported by certain GV-IP Cameras. For the complete list of unsupported GV/UA-IP Cameras, see this [document](#).

14.3 Supported Products for Assigning NAS Storage Path

GV-Eye can only assign NAS storage path for the following supported products and versions.

GV-IP Camera

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



Scan the following QR codes for product warranty and technical support policy:



[Warranty]



[Technical Support Policy]