GV-Face Mobile App

Contents

GV-Face

With the GV-Face mobile app, you can create face IDs for GeoVision face-recognition (FR) products, receive push notifications, view live recognition events, and query event logs from FR devices. GV-Face also allows you to manage multiple GeoVision FR products simultaneously.

Compatible Products

GV-Face mobile app is designed for the following GeoVision face-recognition-based products:

- **Camera:** GV-FD8700-FR, GV-VD8700
- **Server / Software:** GV-AI FR Server
- **Reader:** GV-FR Panel (GV-FR Panel V1 and GV-FR Panel V2)

Note: GV-FR Panel V2 Support

- In GV-FR Panel V2 (version V1.20 or later), the GV-Face mobile app supports the panel **only in Standalone mode**.
- For GV-FR Panel V2 **in GV-ASManager mode**, use the GV-ASManager system to enroll faces and the GV-Access mobile app to receive push notifications.

System Requirements

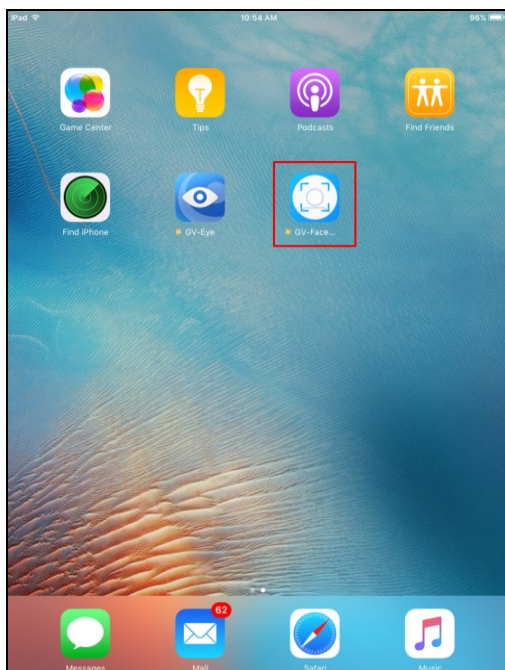- iOS 15 ~ 18.2 / Android 12 ~ 14

Language Supported
- English
- Japanese
- Traditional Chinese

1. Installing GV-Face

You can download GV-Face from the **App Store** or **Google Play** and install the application. Tap the GV-Face icon in your app list. The main page of GV-Face appears.

The following instructions are illustrated using **iPad**.

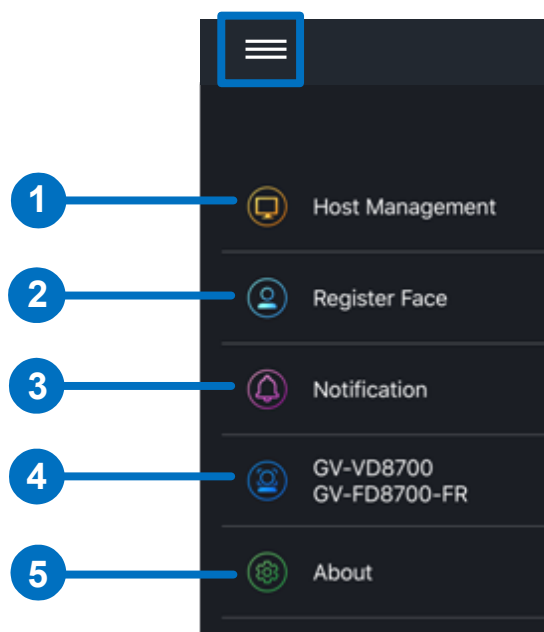|	
GV-Face icon on iPad	**Main Page of GV-Face**

- To connect to Face Recognition Camera **GV-FD8700-FR** or **GV-VD8700**, see *3. Connecting to a Face Recognition Camera*.
- To connect to **GV-AI FR Server** or **GV-FR Panel**, see *4. Connecting to GV-AI FR Server / GV-FR Panel*.

2. Main Functions of GV-Face

From the Main Page of GV-Face, tap **Options Menu** ☰ at the left upper corner to access its **Main Functions**.

| No.	Name	Function
1.	Host Management	Manages face IDs of GV-AI FR Server or GV-FR Panel connected. See *4. Connecting to GV-AI FR Server / GV-FR Panel*.
2.	Register Face	Manages face IDs saved on GV-Face, which can be uploaded to GV-AI FR Server or GV-FR Panel connected. See *5. Registering Face IDs to GV-AI FR Server / GV-FR Panel*.
3.	Notification	Notifies the user of live face recognitions events from GV-AI FR Server or GV-FR Panel connected. See 7. *Notifications from GV-AI FR Server / GV-FR Panel*.
4.	GV-VD8700 GV-FD8700-FR	Connects and manages the face IDs of one GV-Face Recognition Camera within the LAN. See *3. Connecting to a Face Recognition Camera*.
5.	About	Accesses app version, Terms of Use, and User Agreement.

3. Connecting to a Face Recognition Camera

In the **GV-VD8700 GV-FD8700-FR** section, you can connect to the face recognition camera of your choice.
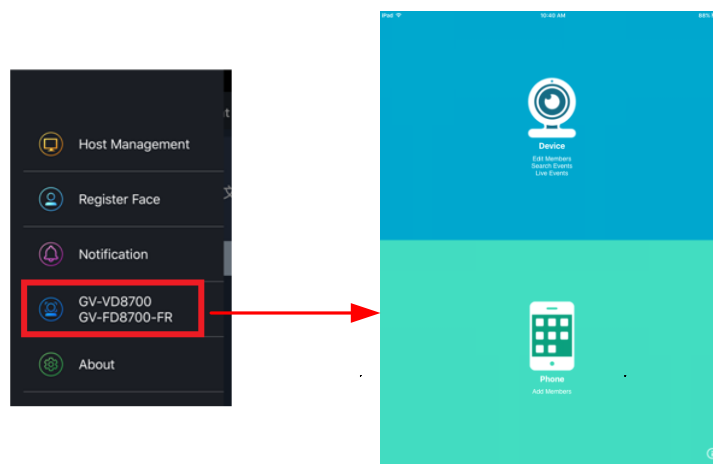
Main Page of Face Recognition Camera

**Note:** GV-Face can only connect to one GV-FD8700-FR or GV-VD8700 at a time.

1. Tap **Device** > **Login a New Device**.
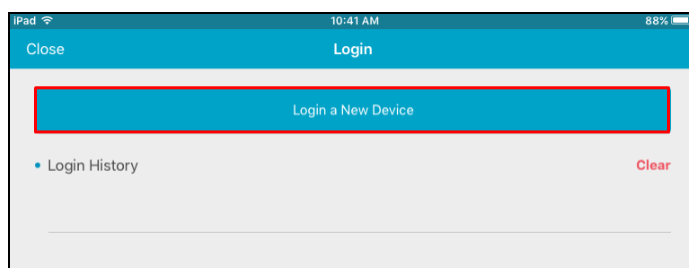
2. Tap **Scan Device** and select the desired host from the list by its IP address. You can also type the host's IP address and Internet port, of 80 by default, manually in the IP address field.

3. Optionally enable **HTTPS** to log onto a host with HTTPS encryption. For this function to work, the HTTPS setting of the host must be enabled. For details, see *HTTPS Settings, Chapter 4*, *GV-Face Recognition Camera User's Manual*.
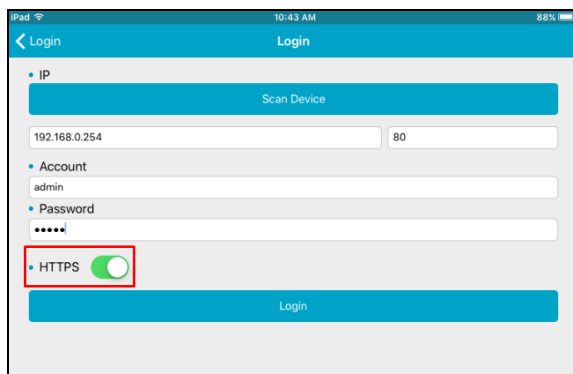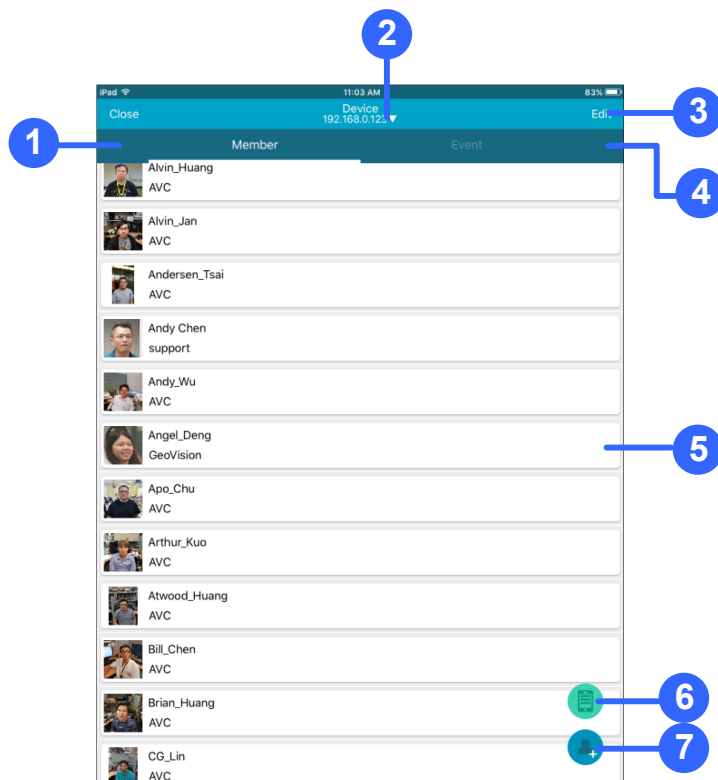

4. Type the account and password of the host and tap **Login**. The host's face database is displayed on the Main Page of Device.
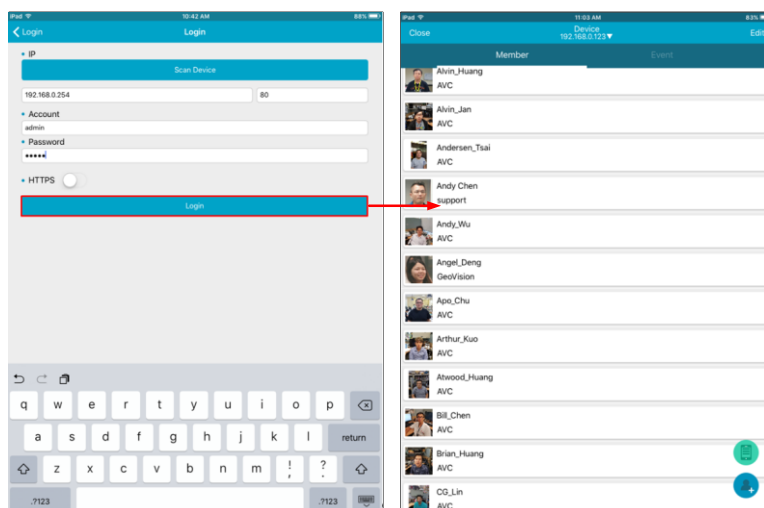
3.1   Main Page of Device

Once the login is successful, the **Main Page of Device** appears. You can view and edit face ID or events saved in the host's face database or modify the device settings.

Main Page of Device

No.	Name	Function
1.	Member	Displays the face database connected.
2.	Login Setting	Disconnects from the current host, and logs into a different host.
3.	Edit	Removes a face ID from the host's face database. To do so, tap **Edit**, select a face ID to be removed and tap 🗑.
4.	Event	Searches for a specific recognition event in the face database connected. See *3.2 Searching for Events*.
5.	Face Database	Modifies face data. See *3.5.1 Enrolling Face Data from Phone*.
6.	Phone	Goes to the **Phone** Tab to enroll faces by phone. See *3.5 Main Page of Phone*.
7.	Add	Creates a new face ID. See *3.5.1 Enrolling Face Data from Phone*.

Note: Any changes made to the face database from GV-Face directly affects the face database of the connected host. Modify the face database with caution.

3.2　Searching for Events

In the **Event** tab, you can search for a specific recognition event from the face database connected, using different criteria, such as date, time, name and more. From the search results, you can also create a new face ID or update an existing face ID with the event snapshots.

1. Tap **Event** (No. 4, *3.1 Main Page of Device*), specify the **Date** and **Specific Duration** of the recognition events you want to search for.

2. Tap **Search** to display the search results, up to 50 per page, within the specified period. The unrecognizable persons will be marked as "unknown," with the closest match of face IDs from the database connected.

2. To filter for specific persons, type the **Name**, **Organization** and/or select among one of the **Group** types.
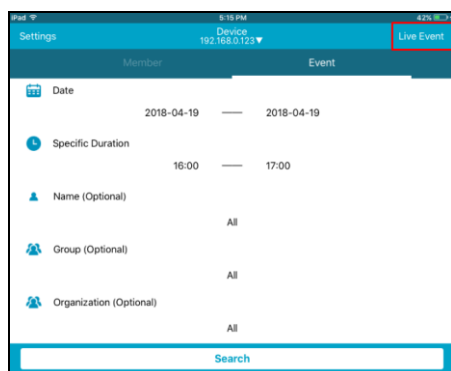

Note: A change of group name to any of the 3 default groups done by GV-FD8700-FR / VD8700 will not be reflected on GV-Face.

3.3   Viewing Live Events

In the **Live Event** tab, you can view live recognition events of people and their full snapshots, which can be used for face enrollment.

1. To view live events, go to **Event** (No. 4, *3.1 Main Page of Device*) > **Live Event** at the upper right corner.

2. Enable **Live Event Capture**. You can view the face recognition results in real-time.

Note:

1. For the search function to work, make sure the **FDFR** option in GV-Face (**Event** (No. 4, *3.1 Main Page of Device*) > **Settings** at the left upper corner), is activated. For details, see.*3.4 Settings*.

2. When you tap **Close** at the upper left corner, all live events shown in the list will be cleared and you will exit from the Live Event list.
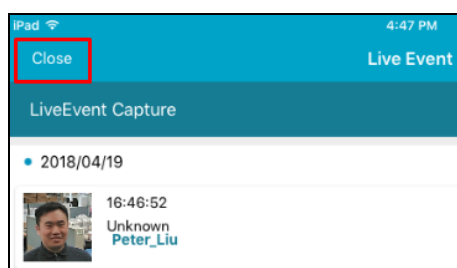
3.4 Settings

In the **Settings** tab, you can view or change the following host information and settings.
To do so, go to **Device** (see *3.1 Main Page of Device*) > **Event** > **Settings** at the upper left corner.
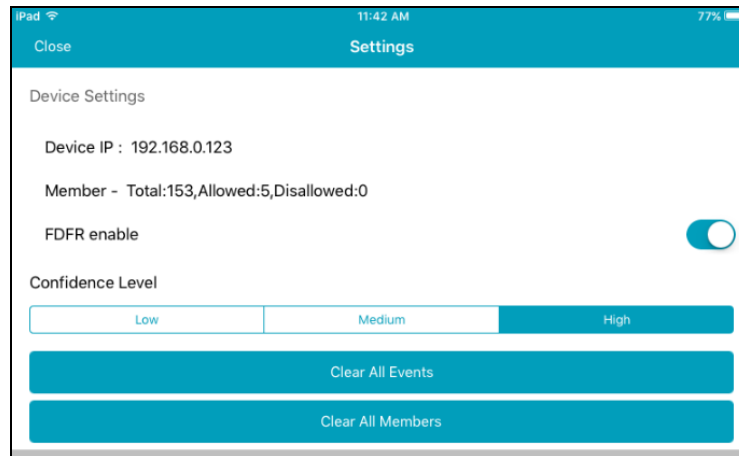

- **Device IP**: Displays the IP address of the connected host.

- **Member**: Displays the total number of face data as well as the number of face data under Group **Allowed** or **Disallowed** in the host's database.

- **FDFR Enable**: Activates or disactivates the face recognition function of the host.

- **Confidence Level**: Select the confidence level for different precision requirements.

  o At **Low**, the host identifies similar faces from the face database when a person passes by.

  o At **Medium**, the host recognizes the passing person with increased accuracy.

  o At **High**, it is required for the person to be seen directly in front of the host at a proper distance with his / her face captured under good lighting condition for the recognition to work.

- **Clear All Events:** Delete all events in the face database of the connected host.

- **Clear All Members:** Delete all face data in the face database of the connected host.

3.5 Main Page of Phone

In the **Phone** tab, you can take portrait photos to be added into the face database of the connected host.
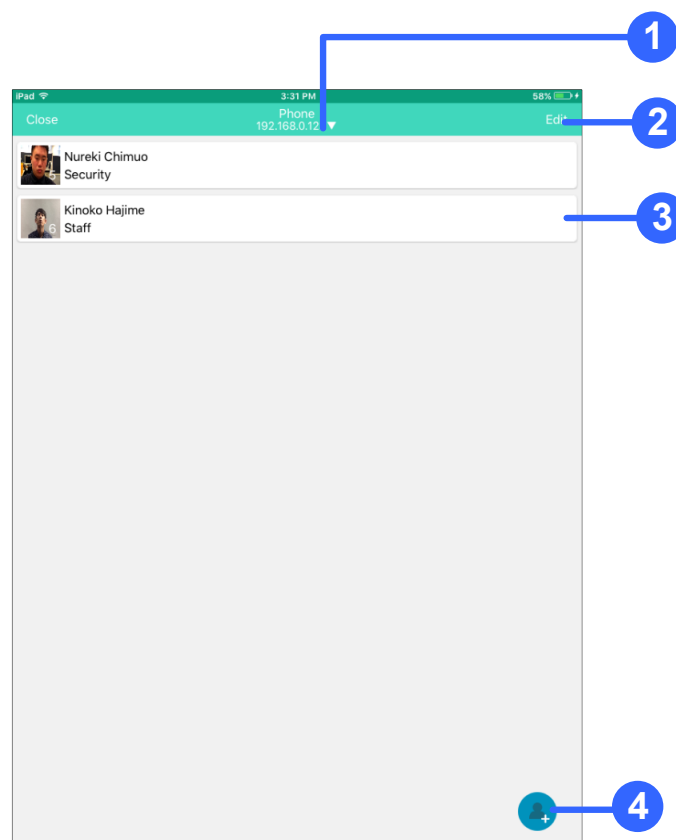
Main Page of Phone

| No.	Name	Function
1.	Login Setting	Connects to a host.
2.	Edit	Removes or uploads face IDs. See *3.5.1 Enrolling Face Data from Phone*.
3.	Face ID	Modifies or uploads previously saved face IDs.
4.	Add	Creates a face ID. See *3.5.1 Enrolling Face Data from Phone*.

3.5.1 Enrolling Face Data from Phone

You can take portrait photos to be added to the host's face database. For a new face ID, enroll at least 1 photo.

Note: Once the face ID is uploaded to the connected host, the face ID in your phone will be removed.

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1. Tap to open the **Phone** tab.
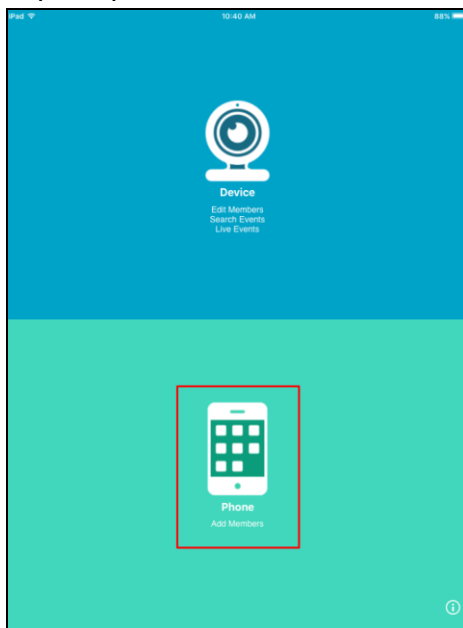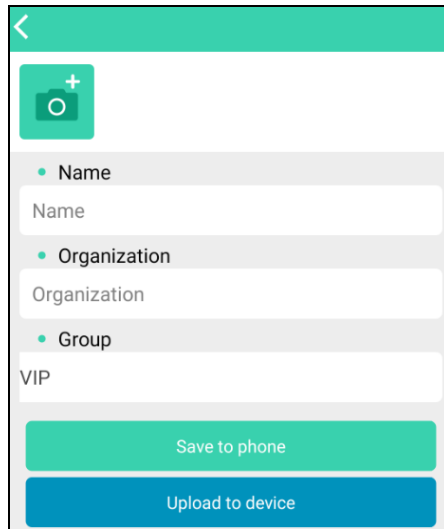
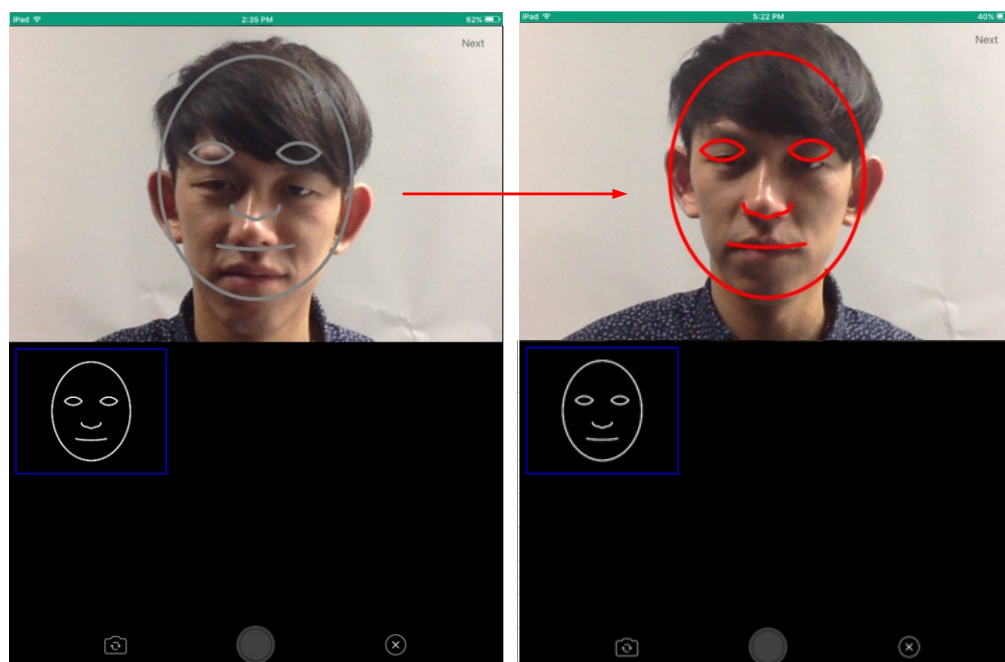2. Tap the icon at the lower right corner.
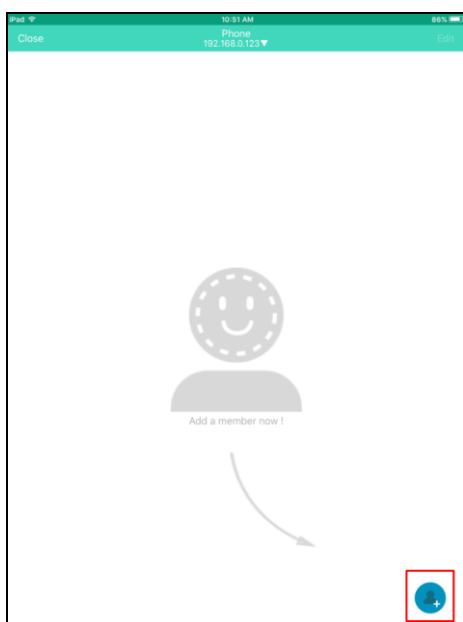
3. Tap the icon.

4. Optionally tap the icon to take photos using the front camera of your device.

5. Align the person's face with the on-screen figure until the figure turns red, which indicates an appropriate alignment between the face and the camera.

6. Tap the shutter. Repeat Step 5 – 6 to take 5 photos with the 5 suggested angles of view: **the front view** (**closeup view** and **tilted-down view**), the **tilted-left view**, the **tilted-up view** and the **tilted-right view**.
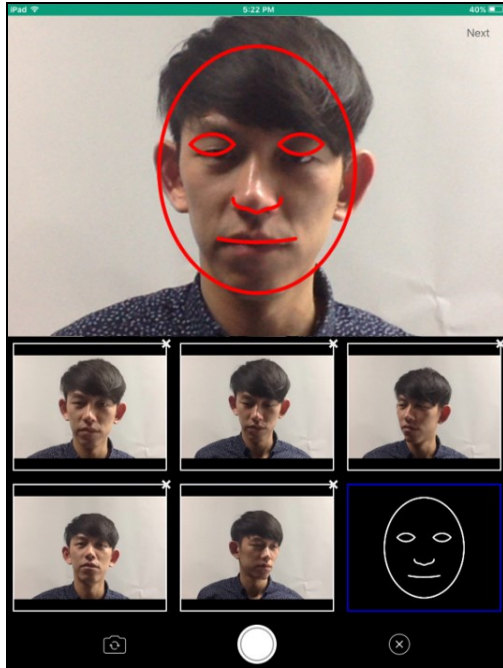

7. After taking 5 photos, a window pops up.

    a. If you wear glasses, select **I have already taken off my glasses** to take another photo with your glasses removed.

    b. If you don't wear glasses, select **I am not wearing glasses** to finish.

8. Tap **Next** at the upper right corner.
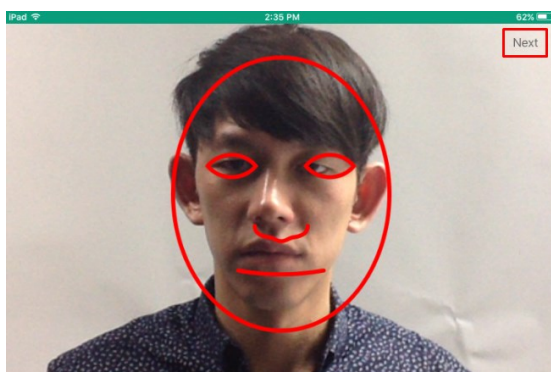
9. Type the desired **Name** and **Organization** for the person and select a **Group** under which the person shall be categorized.
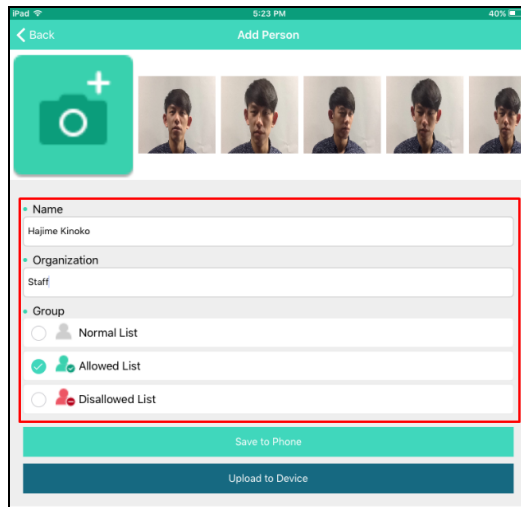
10. Tap **Upload to Device**. Or, optionally tap **Save to Phone** to save the face ID at the **Phone** tab temporarily. To upload previously created face ID, tap **Edit** at the upper right corner, select the face ID from the list and tap ⬆.
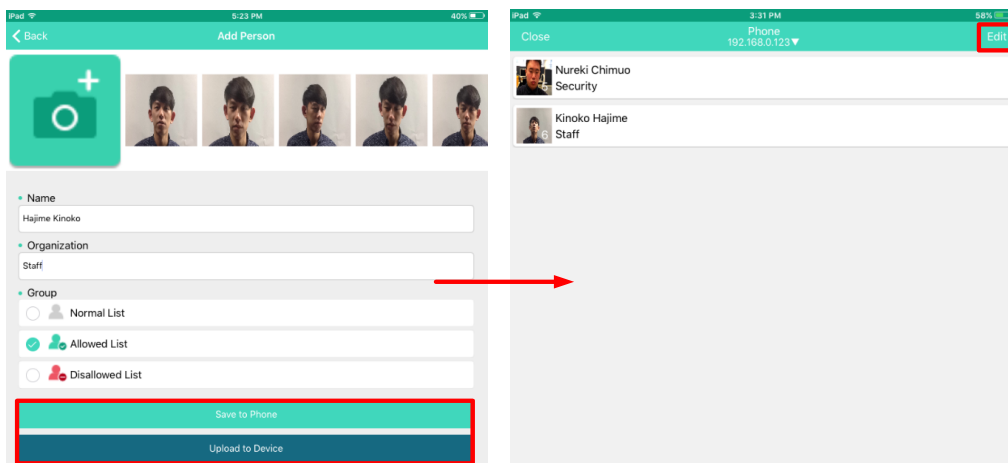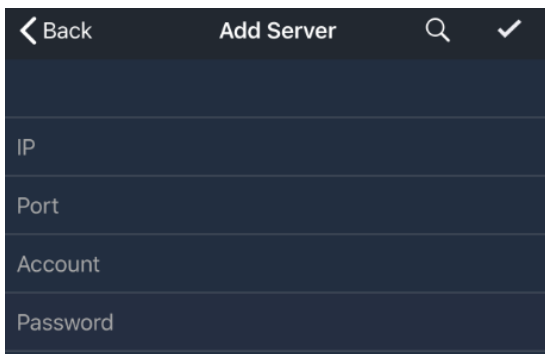
4. Connecting to GV-AI FR Server / GV-FR Panel

In the **Host Management** section of GV-Face, you can connect to multiple GV-AI FR Servers or GV-FR Panels of your choice. To connect to a GV-AI FR Server or GV-FR Panel, follow the steps below.

1. Tap **Options Menu** ☰ > **Host Management** (No. 1, *2. Main Function of GV-Face*). The Host Management page appears.

2. Tap **Add** ➕ in the upper right corner. This page appears.

3. Type the required connection information (**IP**, **Port**, **Account**, and **Password)** of the device. Alternatively, tap **Search** 🔍 to search for and select one GV-AI FR Server or GV-FR Panel within the same LAN.

4. Once the GV-AI FR Server or GV-FR Panel is connected, tap **Save** ✔.

5. Repeat the steps above to connect additional GV-AI FR Servers or GV-FR Panels.

Note:

1. Once connected to a GV-AI FR Server, its status will be indicated on the **Host Management** page:

   - A yellow label **"Master"** or **"Slave"** will appear, depending on the configuration of the GV-AI FR Server.

   - A GV-AI FR Server configured as **"Standalone"** will be shown without a label.

2. Only GV-AI FR Server configured as "**Master**" or "**Standalone**" can be managed through GV-Face. For details, see *4.2.6 Master / Slave Sync* in *GV-AI FR Server User's Manual*.


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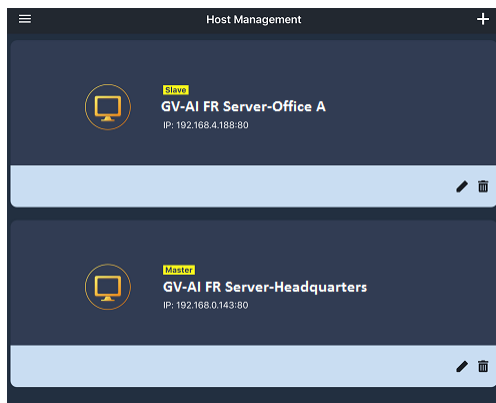
5. Registering and Uploading Face IDs

In the **Register Face** section of GV-Face, you can register new face IDs and later upload them to multiple GV-AI FR Servers or GV-FR Panels.

5.1 Registering Face IDs
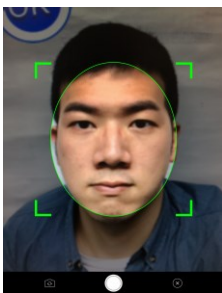
To register a face ID, follow the steps below.

1. Tap **Options Menu** ☰ > **Register Face** (No. 2, *2. Main Function of GV-Face*).

2. Tap the ⊞ icon on the Register Face page.

3. Type **Face Name** and select a **Group** to create a face ID.
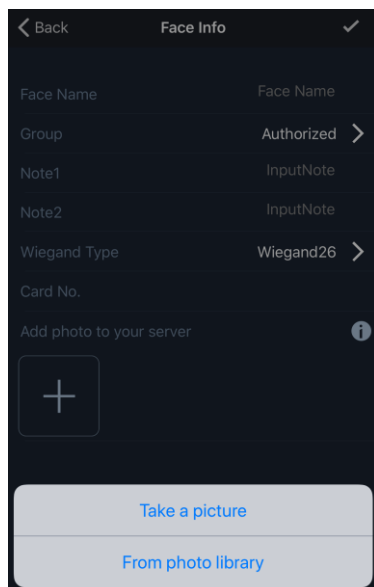
4.   Optionally, you can type **Note 1** and **Note 2**, or a **Card No.** to assign an access card number to the face ID and select its corresponding **Wiegand Type**.

5.   Tap the ⊞ icon and select **Take a picture** to take a snapshot or **From photo library** to use an existing photo on your device.

6.   Tap **Save** ✅.

Note: When taking a snapshot, align the face in the frame until the vectors turn green, indicating a qualified photo. Tap **Information** ⓘ to see suggestions on taking the qualified snapshots.
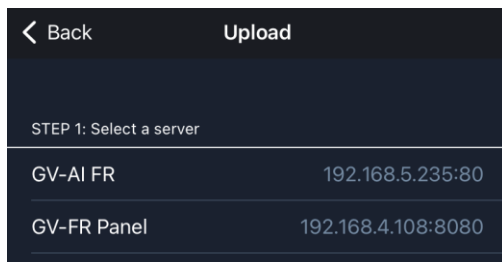

5.2 Uploading Face IDs

Once face IDs are registered in GV-Face, you can upload them to multiple GV-AI FR Servers or GV-FR Panels. To upload registered face IDs to a connected device, follow the steps below.

1. On the **Register Face** page (No. 2, *2. Main Function of GV-Face*), tap **Upload** .
2. Select one GV-AI FR Server or GV-FR Panel to upload the face IDs.

3. Select up to 10 face IDs to upload, and tap **Save** .
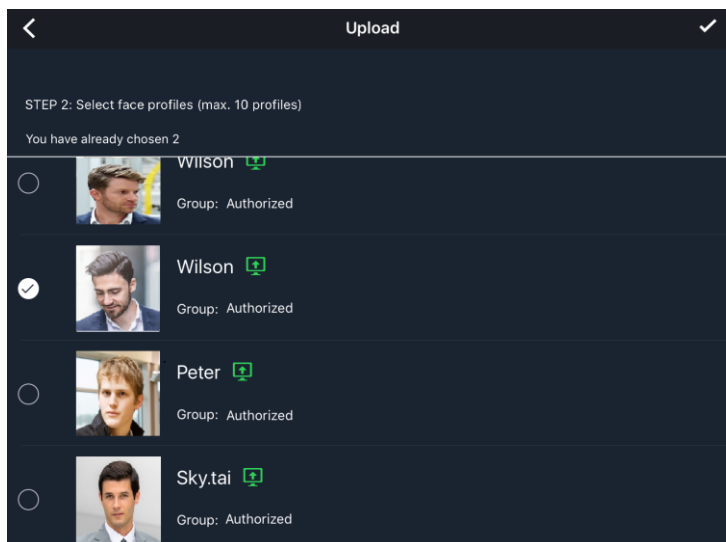
4. Tap **Confirm** in the Upload Results prompt. The Upload Result page appears.
5. Tap **Save** and **OK** to exit the page.
6. Repeat the steps above to upload face IDs to another GV-AI FR Server or GV-FR Panel.

Note: Once the face IDs are uploaded, the names of GV-AI FR Server and/or GV-FR Panel containing these face IDs will be indicated under Face IDs.
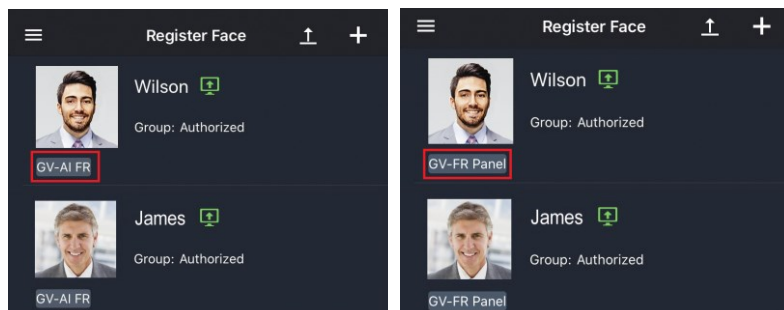
6. Managing GV-AI FR Server / GV-FR Panel

You can manage the face data and recognition events of a specified GV-AI FR Server or GV-FR Panel using the following GV-Face functions: **Live Event**, **Members**, and **Query Event**.

To access these functions, tap **Options Menu** ☰ > **Host Management**, and select one connected GV-AI FR Server or GV-FR Panel.


Main Page of the GV-AI FR Server / GV-FR Panel

No.	Name	Function
1.	Live Event	Views live face recognition events from the selected GV-AI FR Server or GV-FR Panel. See *6.1 Viewing Live Events*.
2.	Members	Views and manages the face IDs stored on the selected GV-AI FR Server or GV-FR Panel.
3.	Query Event	Searches for face recognition events from the selected GV-AI FR Server or GV-FR Panel.

6.1 Viewing Live Events

In the **Live Event** section (No. 1, *6. Managing GV-AI FR Server / GV-FR Panel*), users can view real-time face recognition events captured by the selected GV-FR Panel or by the cameras connected to the GV-AI FR Server.
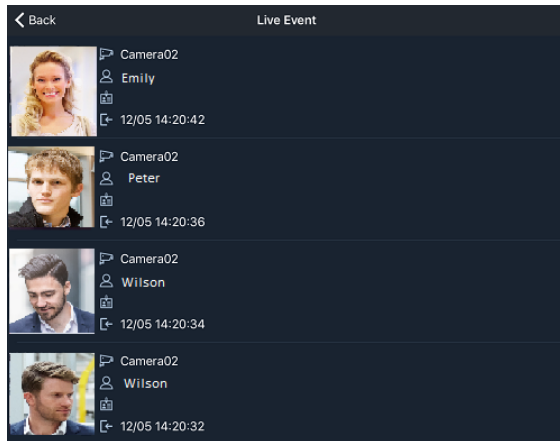
Icon	Name
	Camera No.
	Name
	Note
	Event time

6.2 Managing Face Database

In the **Members** section (No. 2, *6. Managing GV-AI FR Server / GV-FR Panel*), you can upload registered face IDs to the selected GV-AI FR Server or GV-FR Panel, or create new face IDs to upload.

6.2.1 Uploading Face IDs

To upload registered face IDs to the selected GV-AI FR Server or GV-FR Panel, follow the steps below.

1. On the **Members** page, tap **Add** at the upper right corner.
2. Select **Enroll new face** to create a new face ID (see *5.1 Registering a Face ID*), or **Upload from Register Face** to upload a face ID already registered on the GV-Face.

6.2.2 Editing Face IDs

To edit or remove a face ID in GV-Face:

- To edit a face ID, tap the face ID on the **Members** page to access its Face Info page.
- To remove a face ID, tap **Edit** ✎ in the upper right corner of the **Members** page. Select the desired face IDs, and tap **Delete** 🗑.
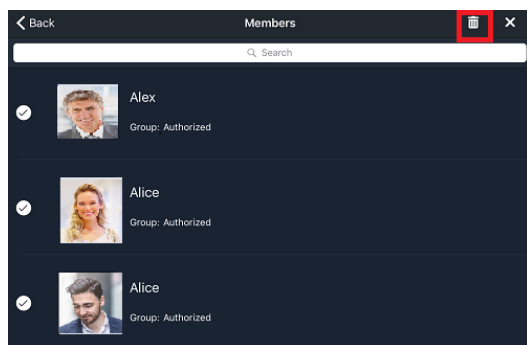

6.3 Searching for Recognition Events

In the **Query Event** 🔍 section (No. 3, *6. Managing GV-AI FR Server / GV-FR Panel*), you can search for recognition events from the selected GV-AI FR Server or GV-FR Panel using criteria such as date, time, name, and more. From the search results, you can either save the face images found to your device or create a new face ID. To perform these actions, follow the steps below.

1. On the **Query Event** page, type specific information of **From**, **To**, **Camera**, **Group**, **Name**, **Note1**, **Note2**, or **Card No**.
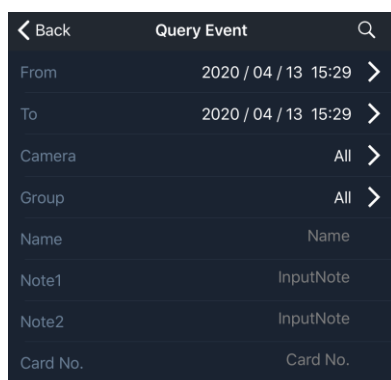
2. Tap **Search** 🔍. The Search Result page appears.
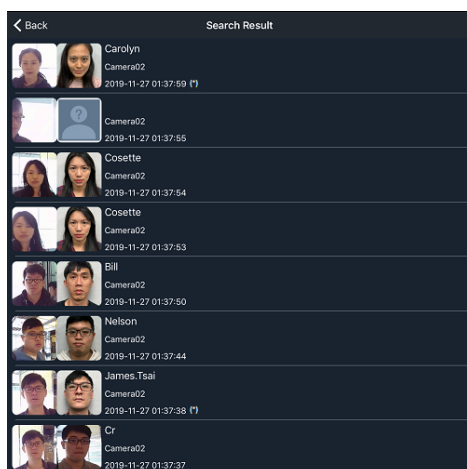
Note: The date and time attached with the asterisk (*) symbol indicates its daylight-saving time (DST).

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3. To save a face image to your mobile phone,

- To save a face image, tap an event and tap the ⬇️ icon under **Save Photo to Device**.

- If the selected event has an unknown face, the 👤 icon will appear on the Face Info page.

- To register the unknown face as a new face ID, follow steps in *5.1 Registering a Face ID*.
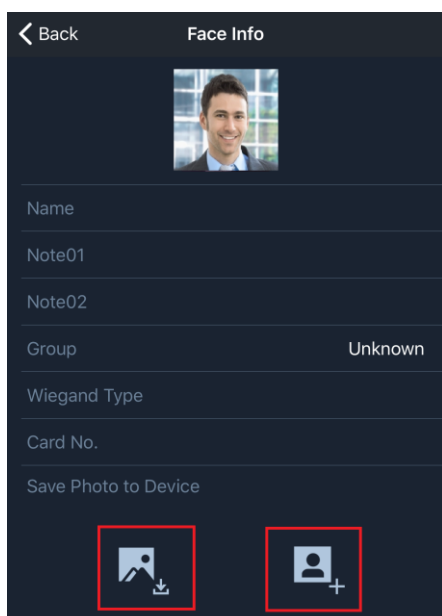
7. Notifications from GV-AI FR Server / GV-FR Panel

The **Notification** page displays push notifications of real-time face recognition events from the connected GV-AI FR Server and/or GV-FR Panel. To access this feature, tap **Options Menu** ☰ > **Notification** (No. 3, *2. Main Function of GV-Face*).
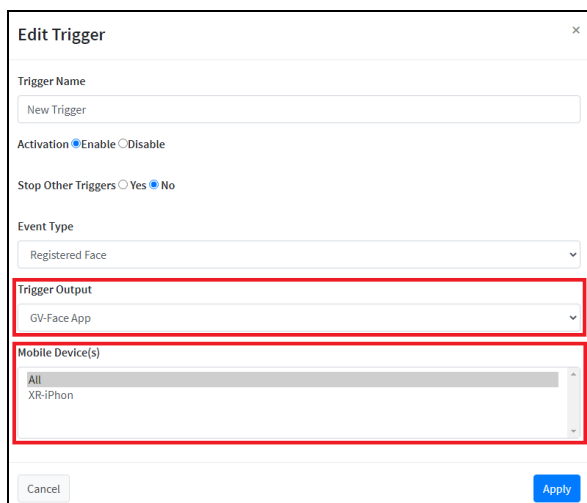

To manage the messages displayed in GV-Face, configure the corresponding trigger function on the GV-AI FR Server or GV-FR Panel.

- **For GV-AI FR Server:** Click **Dashboard > Notify Settings > Event Trigger > New Trigger**. Select **GV-Face App** under *Trigger Output*, and type the desired messages under *Message Variables*. See details in *4.4.2 Event Triggers* in *GV-AI FR Server User's Manual*.
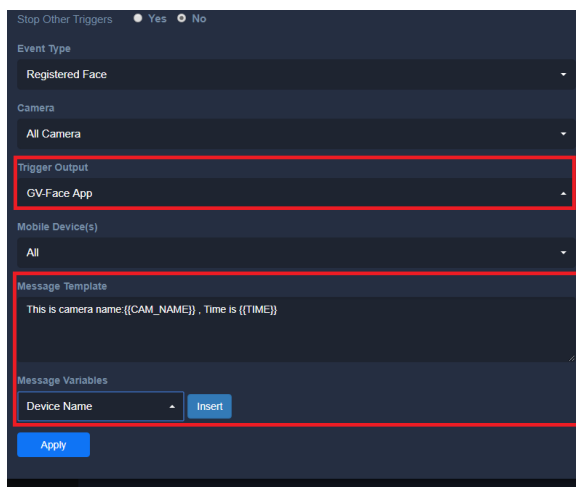
- **For GV-FR Panel:** Click **Notify Settings > Event Trigger > New Trigger**. Select **GV-Face App** under *Trigger Output*, and choose the desired mobile device under *Mobile Device(s)*. See details in *5.4.2 Event Trigger in GV-FR Panel User's Manual*.

Note: To receive push notifications, make sure the notifications from the GV-Face app are enabled in your device's system settings.

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

[Warranty]   [Technical Support Policy]