

GV-Web Report

User's Manual





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October 2025

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Preface

Welcome to the *GV-Web Report User's Manual*.

This Manual is designed for the following software version:

Product	Version
GV-Web Report	V3.1.0.0

Note: GV-Smart Box is no longer supported.

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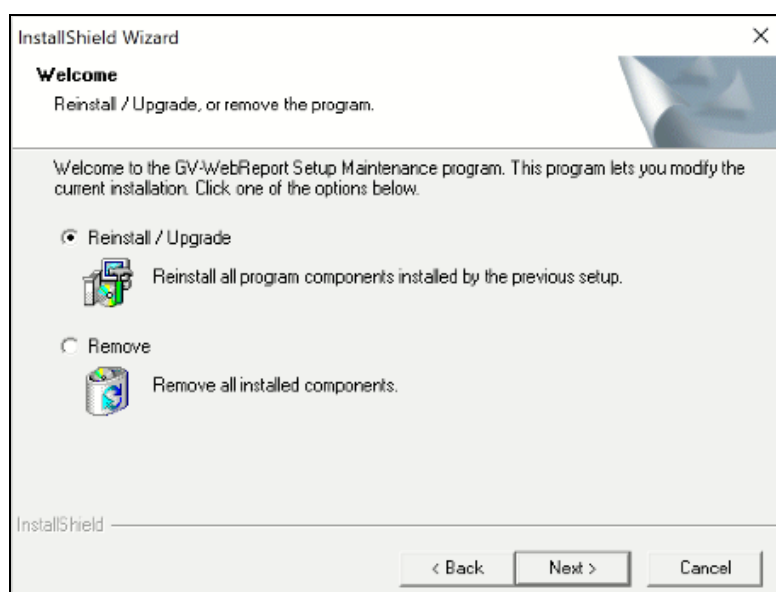
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Naming and Definition

GV-3D People Counter	GV-3D People Counters refer to GV-3D People Counter and GV-3D People Counter V2 . The GV-3D People Counters count and analyze the number of people passing by in the designated detection area. A built-in Web interface, the GV-Web Report Lite provides you with an easy setup and accurate people counting results.
GV-DVR / NVR	GeoVision analog and digital video recording software. In most documents, the GV-DVR / NVR also refers to Multicam System , GV-NVR System and GV-Hybrid DVR System at the same time.
GV-Smart Box	The GV-Smart Box is a standalone device featuring People Counting, Face Counting and Object Size Counting functions. Through the Web browser, the GV-Smart Box delivers live view, face snapshots and counting results.
GV-VMS	GeoVision Video Management System for IP cameras.

Note for Upgrading GV-Web Report

To upgrade GV-Web Report, run the Installer (setup. exe) included in the latest software downloads from our [website](#). Select **Reinstall/Upgrade** to start.



Chapter 1 Introduction

GV-Web Report is a centralized analytics platform that integrates data from GV-3D People Counter, GV-NVR, and GV-VMS for people counting, face counting, and POS transactions. Designed for scalability, it can receive and process data from up to 1000 units of GV systems and devices, making it ideal for large-scale video surveillance deployments.

The Web interface provides flexible reporting capabilities, allowing users to generate real-time, hourly, daily, monthly, and yearly reports and graphs for operational insights.

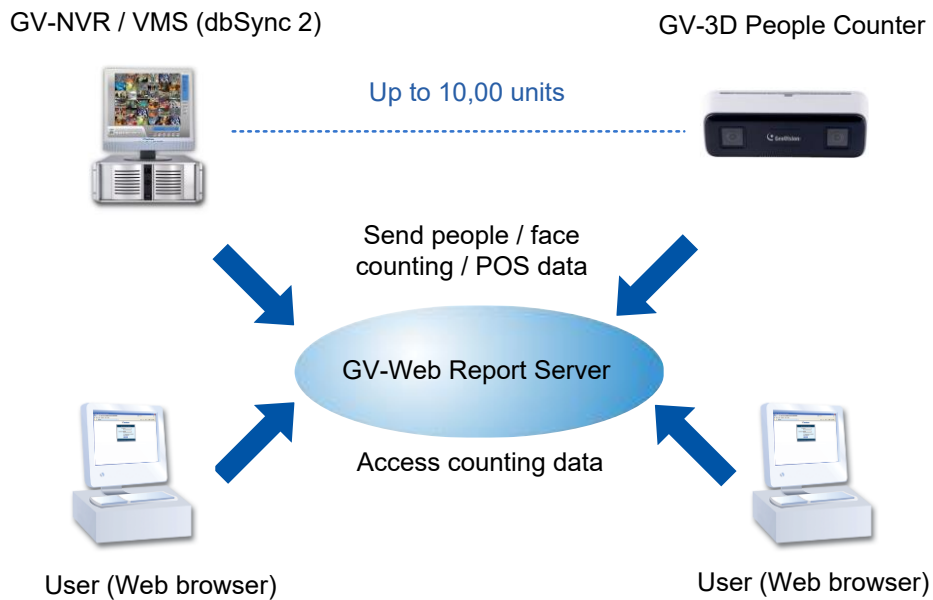


Figure 1-1

Features

- Up to 1000 units of GV-3D People Counter and GV-NVR / VMS supported
- People counting results from GV-3D People Counter and GV-NVR / VMS
- Face counting results from GV-NVR / VMS
- POS data from GV-NVR / VMS
- Heat Map images from GV-VMS
- Real-time, daily, monthly, yearly counting reports and graphs
- E-mail notifications and I/O trigger when the remaining occupancy reaches the specified maximum
- Counting result query from iOS and Android mobile devices
- Grouping function for combining desired cameras for data analysis
- Automated data export scheduling
- 4 languages supported: English, Russian, Simplified Chinese, and Traditional Chinese

Note: GV-VMS V20 does not support the transmission of the following data types to GV-Web Report: Face counting, POS data, and Heat Map.

1.1 Minimum System Requirements

The following are minimum system requirements for the server to run GV-Web Report.

GV-NVR/VMS

GV-NVR	V8.3.2 or later
GV-VMS	V16.10 or later, V20.0 or later
Application	.Net Framework 3.5 or later dbSync2
Note: 1. .Net Framework and dbSync2 can be downloaded from Microsoft and GeoVision websites. 2. GV-VMS V20 does not support the transmission of the following data types to GV-Web Report: Face counting, POS data, and Heat Map. 3. GV-VMS V20 does not support dbSync2.	

GV-Web Report

OS Supported	32-bit	Windows 10 / 8 / 7 / Server 2008
	64-bit	Windows 11 / 10 / 8 / 7 / Server 2008
Application		.Net Framework 3.5 or later
Browser		IE, Chrome, Edge, Firefox
Hardware		External or Internal GV-USB Dongle
Note: 1. .Net Framework can be downloaded from Microsoft website. 2. It is recommended to use the internal GV-USB Dongle to have the Hardware Watchdog function which restarts the PC when Windows crashes or freezes. 3. Live view and playback functions are supported only via IE or Microsoft Edge in IE mode.		

Software License

Free License	N/A
Maximum License	1000 clients
Increment for Each License	200, 500 or 1000 clients
Optional Combinations	N/A
Dongle Type	Internal or external
Note: The Maximum License is a paid service.	

Compatible Versions of GeoVision Applications

GV-Web Report is compatible with the following GV-3D People Counter models.

Device Software	GV-3D People Counter V1	GV-3D People Counter V2	GV-3D People Counter V3
GV-Web Report V2.2.3.0	V1.01	N/A	N/A
GV-Web Report V2.2.4.0 – V2.2.5.0	V1.02 or later		
GV-Web Report V2.2.6.0		V1.00 or later	
GV-Web Report V3.0 or later			
GV-Web Report V3.1.0 or later			V1.00 or later

Chapter 2 Installation

GV-Web Report can be installed on a separate computer or on the same computer as GV-DVR/NVR/VMS. However, for optimal performance and system stability, installation on a dedicated computer is recommended.

Before installing the GV-Web Report, ensure the following components are in place:

- **USB dongle is inserted and its driver is installed**
- **[.Net Framework](#) is installed**

Follow the steps below to complete the installation:

1. Download **GV-Web Report** and **GV-Series Card Driver / GV-USB Device Driver** from the [GeoVision website](#).

	Version History GV-Web Report	V3.0.1A	101KB			2022-06-20
	GV-Web Report	V3.0.1A	135MB			2022-06-20
	Dbsync2	V3.0.0.0	6.2MB			2018-01-05
	Content Designer (for GV-3D People Counter)	V1.0.7.0	11.1MB			2016-06-13
	GV-Series Card Driver / GV-USB Device Driver	V8.5.7.0	5.9MB			2016-12-07

Figure 2-1

2. Unzip the **GV-Series Card Driver / GV-USB Device Driver** file, and run **GvUSB-x64.exe** to install the USB dongle driver.
3. Unzip the **GV-Web Report** file and run **GV-WebReport.exe**.
4. For the first-time user, you must create a password (lower case only). The default account is **admin**.

Chapter 3 Getting Started

The GV-Web Report server is designed to analyze counting data from GV-3D People Counters, GV-DVR/NVR/VMS systems, and GV-Smart Boxes. It provides web-based access to real-time and historical analysis data, allowing users to view reports remotely through any standard Web browser.

3.1 Starting GV-Web Report

To start the GV-Web Report service, follow the steps below:

1. Run the **GV-Web Report** (from Windows Start menu or from your desktop). For the first-time user, you will be prompted to type a password. The default ID (account) is **admin**.
2. On the GV-Web Report window, click **Service** from the menu bar and select **Start all services** to start receiving data from connected GV-3D People Counters, GV-DVR/NVR/VMS, and GV-Smart Boxes.

3.2 Connecting to GV-3D People Counter V3

For detailed instructions on how to connect GV-3D People Counter V3 to GV-Web Report, see 7. *Connecting to GV-Web Report* in [GV-3D People Counter V3 Quick Start Guide](#).

3.3 Connecting to GV-3D People Counter V1 / V2

To send people counts from a GV-3D People Counter V1 / V2 to the GV-Web Report server, you need to configure the settings in the Web interface of the GV-3D People Counter to allow connection to the GV-Web Report. For details, see *Chapter 3 The Web Interface* in *GV-3D People Counter User's Manual* or [GV-3D People Counter V2 User's Manual](#) depending on the device you purchased.

1. In the Web interface of the GV-3D People Counter, click the **Setup** tab on the top. The following steps take GV-3D People Counter V2's setup page as example.
2. Under the Detection Setting page, select **Report to Server**.

Figure 3-1

3. Type the **IP** address of the GV-Web Report, and modify the default **Port** 30003 if necessary.
4. Type the **Name** and the **Password** to access the GV-Web Report.
5. If you click **Time Sync** under one of the servers, the time of the current GV-3D People Counter will be synchronized with the selected server. To cancel time synchronization, double-click the selected radio button.

3.4 Connecting to GV-DVR/NVR/VMS

To transmit people counting and POS data from GV-DVR/NVR/VMS to GV-Report, you may need to install the **dbSync2** program on the same computer where GV-DVR/NVR/VMS is installed.

dySync 2 Compatibility with GV-Web Report

GV-VMS Version	Requires dySync 2	Live View on Web Report	Playback on Web Report	Connection Note
V17	Yes	Yes	Yes	Requires dySync 2 for full functionality.
V18	Not a Must	Yes (only with dySync 2)	Yes (only with dySync 2)	dySync 2 required when people and face counting is performed by GV-VMS itself, rather than processed on AI-capable cameras.
V20	No	No	No	dySync 2 is not supported.

Note:

1. dySync2 is required only for GV-NVR (V8.3.2 or later) and GV-VMS (V16 to V18) when people and face counting is performed by the GV-NVR/VMS system itself, rather than processed on AI-capable cameras.
2. dbSync2 is not supported by GV-VMS V20.
3. To transmit the counting data from AI cameras, connected to GV-VMS, to GV-Web Report, see [3.4.4 Sending AI Camera Counting Data via GV-VMS](#).

3.4.1 Configuring the dbSync2 Program on GV-DVR/NVR/VMS

The dbSync2 program, installed on the GV-DVR/NVR/VMS computer, performs two key functions:

- Transmits people counting and POS data to the GV-Web Report server
- Enables remote access to GV-DVR/NVR/VMS for live video streaming and playback viewing

To configure the dbSync2 program, follow the steps:

1. Download and Install **DySync2** from the [GeoVision website](#).
2. Run **dbSync2**. This dialog box appears.

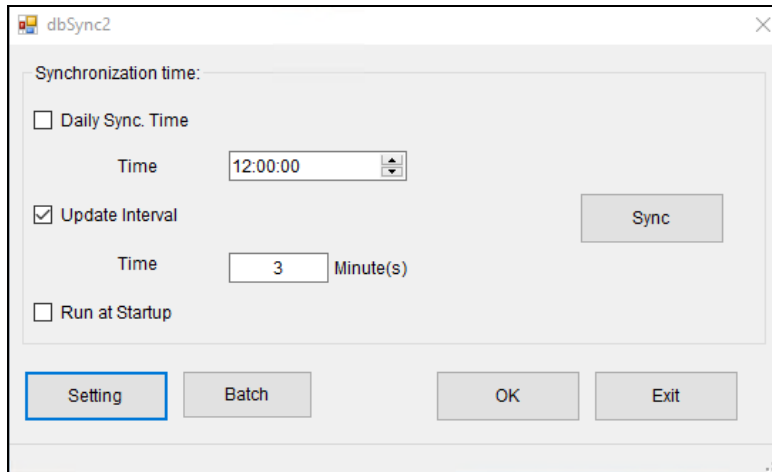
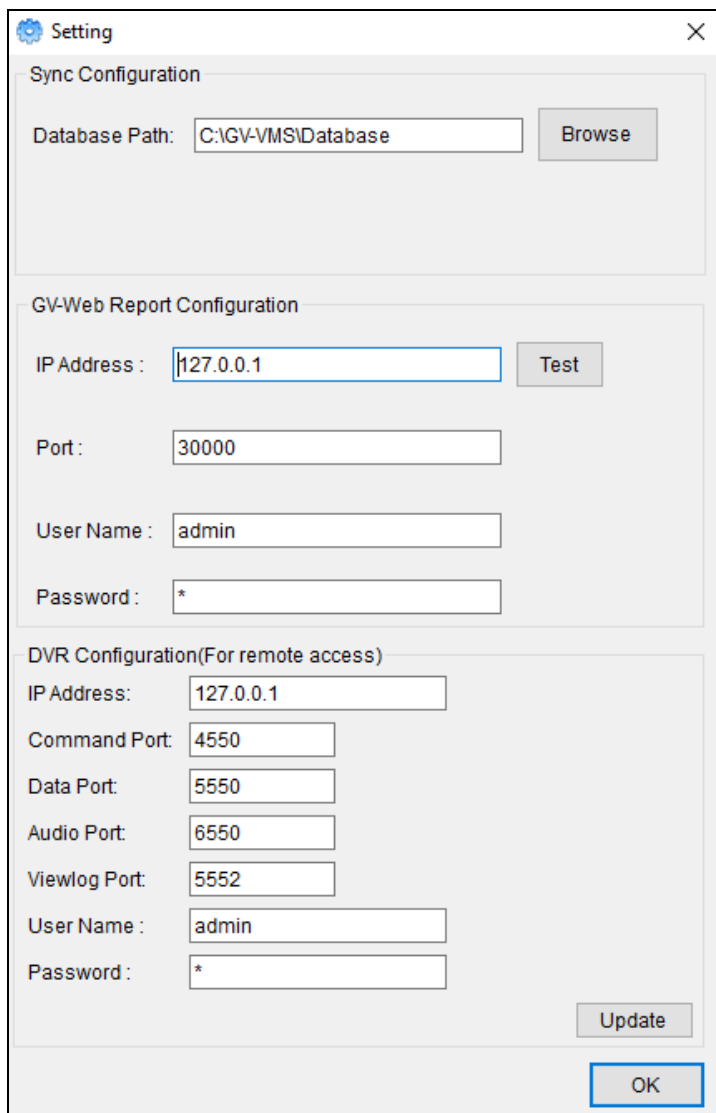


Figure 3-2

- **Daily Sync. Time:** Specify a time to send the data to the GV-Web Report server automatically.
- **Update Interval:** Specify a time interval in minute to send the counts to the GV-Web Report server automatically.
- **Run at Startup:** Enable this option to run **dbSync2** at system startup.
- **Sync:** Click this button to send the data to the GV-Web Report server immediately.
- **Batch:** Click this button, and select the desired data files to be sent to the GV-Web Report server. The files of people count are named with prefix "sys", e.g. sys20071127. The default path for data files is: \GV folder\database.
- **Setting:** Click this button to configure connections to the GV-Web Report server.

3. Click the **Setting** button. This dialog box appears.



The image shows a 'Setting' dialog box with three main sections: 'Sync Configuration', 'GV-Web Report Configuration', and 'DVR Configuration (For remote access)'. The 'Sync Configuration' section has a 'Database Path' field with the value 'C:\GV-VMS\Database' and a 'Browse' button. The 'GV-Web Report Configuration' section has fields for 'IP Address' (127.0.0.1), 'Port' (30000), 'User Name' (admin), and 'Password' (*), along with a 'Test' button. The 'DVR Configuration' section has fields for 'IP Address' (127.0.0.1), 'Command Port' (4550), 'Data Port' (5550), 'Audio Port' (6550), 'Viewlog Port' (5552), 'User Name' (admin), and 'Password' (*), along with an 'Update' button. At the bottom right, there is an 'OK' button.

Figure 3-3

[Sync Configuration] Displays the database path. The default path for database is:
 \GV folder\database.

[GV-Web Report Configuration] Type the connection information of the GV-Web Report server, including its IP address or domain name, login username and password. The default port value is 30000. Click **Test** to connect to the GV-Web Report server. Upon successful connection, a confirmation message will appear on both the GV-DVR/NVR/VMS and the GV-Web Report.

Note: Ensure that the GV-Web Report service has been started (see 3.1 Starting the GV-Web Report). Otherwise, the connection attempt will fail.

[DVR Configuration for Remote Access] The configuration allows remote access to the live video and the recordings of GV-DVR/NVR/VMS. Before the configuration, enable **WebCam Server** on GV-DVR/NVR/VMS first so that the dbSync2 program can automatically acquire the necessary port values (Common Port, Data Port, Audio Port and Viewing Port) from the GV-DVR/NVR/VMS. Type the IP address or domain name, login username and password of the GV-DVR/NVR/VMS. Then click **Update** to send the configuration values to the GV-Web Report server.

4. Click **OK**. The dbSync2 program is minimized to the notification area.



When people counting and POS data are logged to the GV-DVR/NVR/VMS, the dbSync2 program transmits the data to the GV-Web Report server at the specified time or interval each day. In addition to querying counting and POS data, users can also view live video and playback recordings remotely via a Web browser.

3.4.2 Sending People Counting Results

Since the dbSync2 program only transmits logged count data to the GV-Web Report server, it is essential to configure one of the following settings:

- **Update the log every x minutes** on **GV-DVR/NVR**, or
- **Count Auto Reset** on **GV-VMS**

Based on the specified time interval, the system logs the count data to GV-DVR/NVR/VMS, which is then sent to the GV-Web Report server via dbSync2.

Note:

1. dySync2 is required only for GV-NVR (V8.3.2 or later) and GV-VMS (V16 to V18) when people and face counting is performed by the GV-NVR/VMS system itself, rather than processed on AI-capable cameras.
 2. dbSync2 is not supported by GV-VMS V20.
 3. To transmit the counting data from AI cameras, connected to GV-VMS, to GV-Web Report, see 3.4.4 *Sending AI Camera Counting Data via GV-VMS*.
-

- On **GV-DVR/NVR**, configure the **Update the log every x Min.** option in the Counter/Intrusion Alarm Setting.

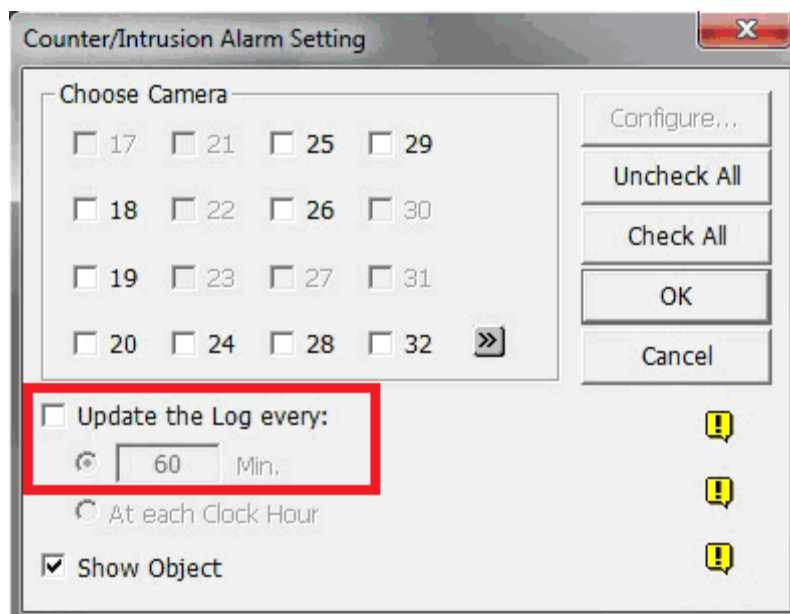


Figure 3-4

- On **GV-VMS**, configure the **Count Auto Reset** option in the Counter/Intrusion Alarm Setting.

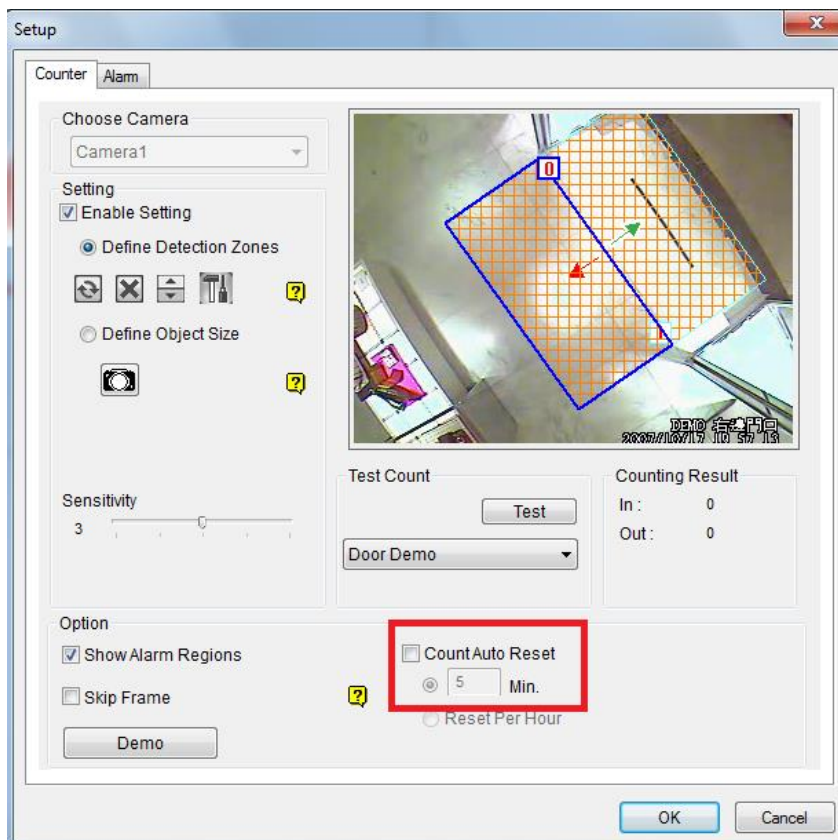


Figure 3-5

To define a specific time to send people counts to the GV-Web Report server, see 3.4.1 *Configuring the dbSync2 Program on GV-DVR/NVR/VMS*.

3.4.3 Sending Face Counting Results

To send face counting results from GV-DVR/NVR/VMS to the GV-Web Report, configure the following settings:

- Enable the Face Count function on the GV-DVR/NVR/VMS.
- Ensure remote access to GV-DVR/NVR/VMS has been enabled on the GV-Web Report. See 3.7.3 *Remote Access Settings* for details.

Note: Version requirements and limitations:

1. For GV-DVR/NVR, version 8.4.0.0 or later is required. An AVP dongle is necessary for versions 8.4.0.0 to 8.5.5.0
 2. For GV-VMS, version 16.10 or later is required
 3. The Face Count function is not supported by GV-VMS V20.
-

1. Configure face counting on GV-DVR/NVR/VMS.

- On **GV-DVR/NVR**,
 - A. Click the **Configure** button, select **Advanced Video Analysis** and select **Face Count Setting**.
 - B. Select the cameras you want to configure and click **Configure**.
- On **GV-VMS**,
 - A. Click **Home**, select **Toolbar**, click **Configure**, and select **Video Process**.
 - B. From the Video Analysis dropdown list, select **Face Count**, select the desired cameras, and click **Setting**.

This dialog box appears.

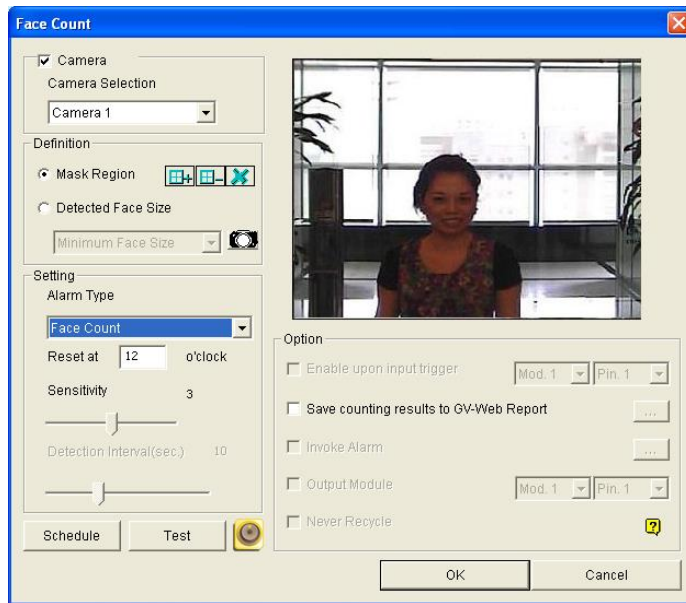


Figure 3-6

2. Select **Face Count** under Alarm Type.
3. In the Option section, select **Save counting results to GV-Web Report**. A dialog box appears.

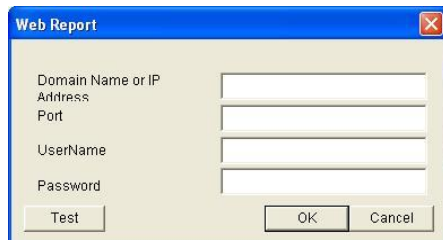


Figure 3-7

4. Type **Domain Name or IP Address**, **Port**, **UserName**, and **Password** of the GV-Web Report. The default port number is 30000. For details on account settings on the GV-Web Report server, see *3.7.2 Account Settings*.
5. Click **OK**.

3.4.4 Sending AI Camera Counting Data via GV-VMS

To transmit people counting results from AI-capable cameras, connected to GV-VMS, to the GV-Web Report server, follow the steps below.

Note: The video analysis by AI camera is only supported by GV-VMS V18 and V20 versions.

1. In GV-VMS, go to **IPCVA** settings (**Home > Toolbar > Configure > Video Process**).
2. To configure the AI camera to send counting data to GV-Web Report:
 - For **GV-VMS V18**
 - A. Select the camera from the dropdown list, enable **People Count**, and click the **Arrow** button.
 - B. Select the **Detection Region** and configure the **Counting Reset** interval or time for People Count events. Select **Web-report > Setting** to establish the connection to GV-Web Report, allowing real-time data transmission.

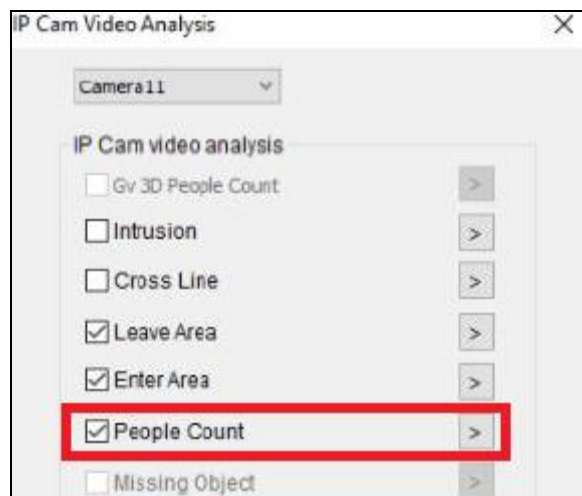


Figure 3-8

- For **GV-VMS V20**
 - Select the camera from the dropdown list, enable **Object Count**, and click the **Arrow** button.

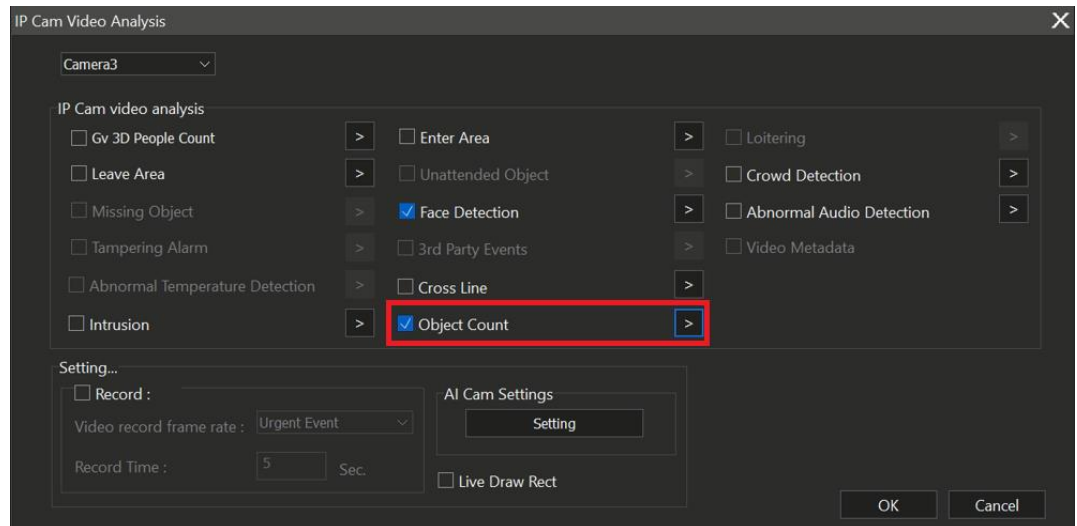


Figure 3-9

- Select the **Detection Region** and configure **Counting Reset** interval or time for Target Counting events. Select **Web-report** > **Setting** to establish the connection to GV-Web Report, enabling real-time data transmission.

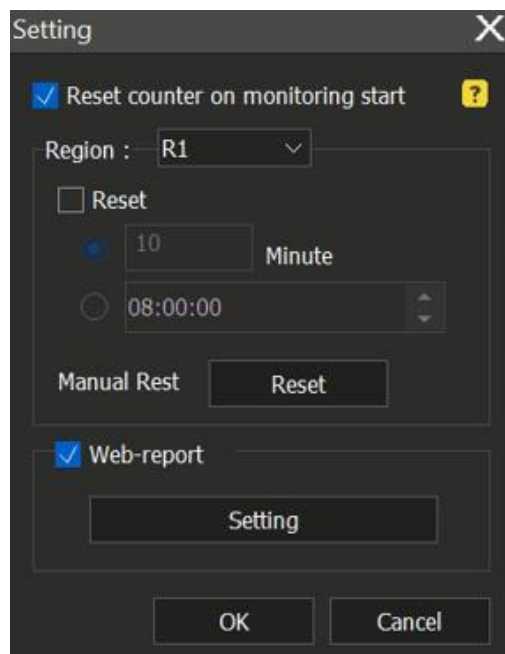


Figure 3-10

3.5 Connecting to GV-Smart Box

To send people counts, face counts, and object size counts from a GV-Smart Box to the GV-Web Report server, you need to configure the GV-Smart Box to allow connection to GV-Web Report. For details, see the *Connecting to GV-Web Report* section in *GV-Smart Box User's Manual*.

Note: GV-Smart Box is no longer supported.

1. Select **Events and Alerts** and then **Web Report Setting** in the Web interface of the GV-Smart Box. This page appears.

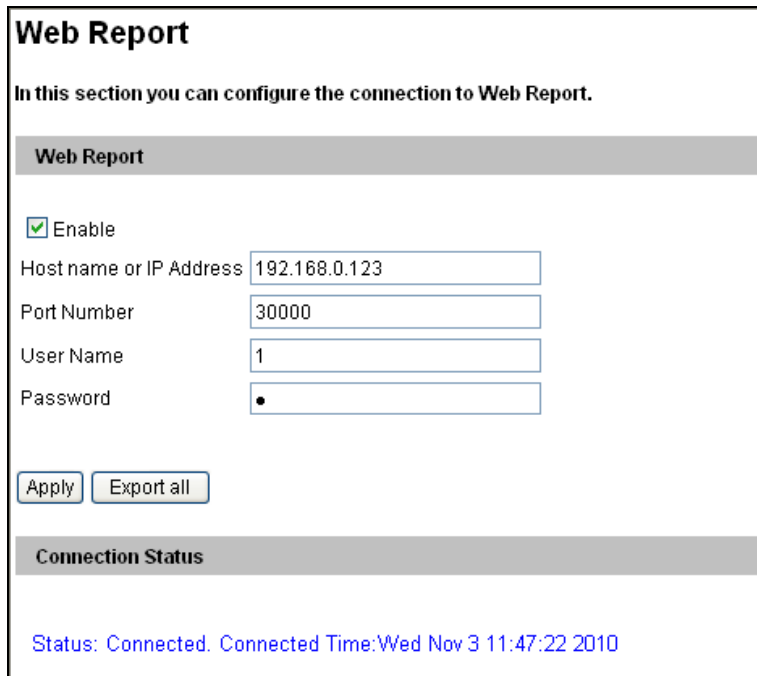


Figure 3-11

2. Enable the **Web Report** function.
3. Enter the IP address of the GV-Web Report server, and the login username and password.
4. Click **Apply**.

The **Connection Status** is shown on the bottom of the page displaying the GV-Web Report's connection status and the connection time.

3.6 The Main Screen of GV-Web Report

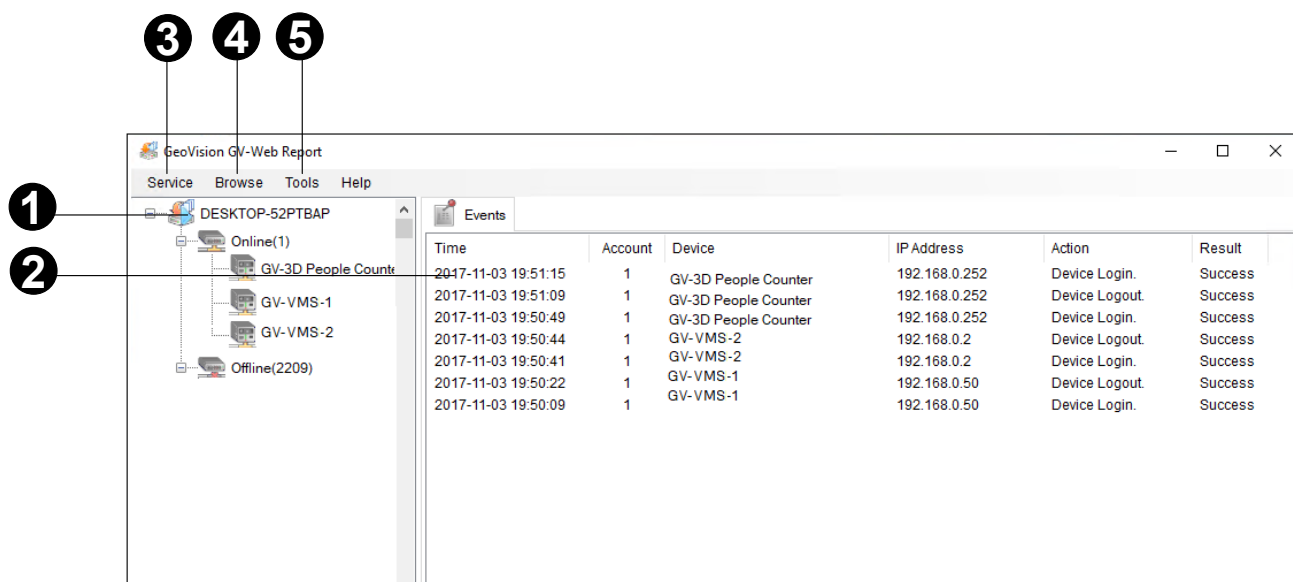


Figure 3-12

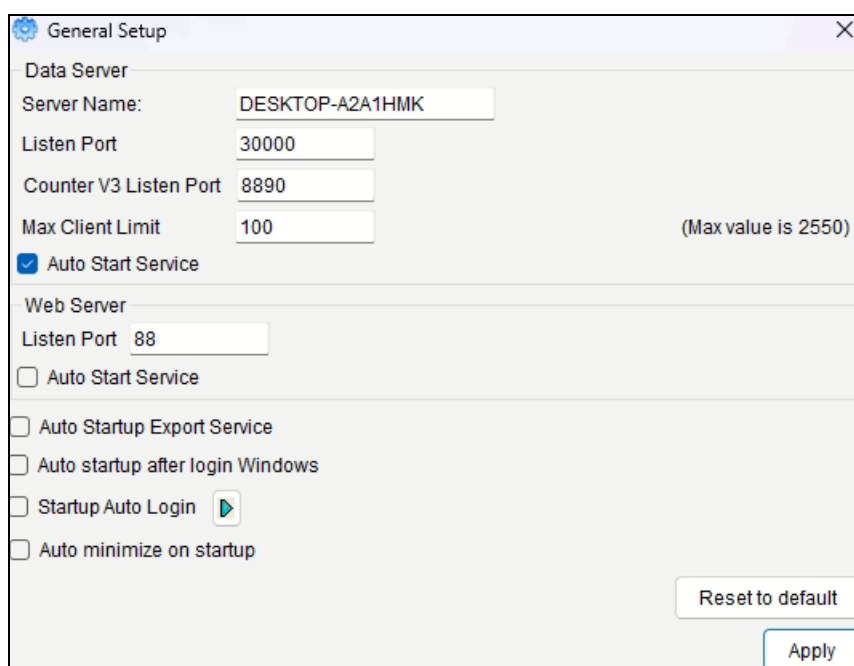
No	Name	Description
1	Host List	Displays connected hosts.
2	Event List	Displays the connection information.
3	Service	Enables and disables the following GV-Web Report services: ■ Data Service: Allows connection to GV-3D People Counters, GV-DVR/NVR/VMS and GV-Smart Boxes. ■ Web Service: Accesses to the GV-Web Report's Web Interface. Allows remote access to live video as well as recordings of GV-DVR/NVR/VMS, face snapshots captured from GV-Smart Boxes, and people counting data from GV-3D People Counters. ■ Auto Export Service: Export data automatically based on defined schedule. See 3.7.7 <i>Exporting the Counting Data</i>.
4	Browse	Links to the Web interface of the GV-Web Report.
5	Tools	Accesses advanced settings. See 3.7.1 <i>General Settings</i> , 3.7.2 <i>Account Settings</i> , 3.7.3 <i>Remote Access Settings</i> , 3.7.4 <i>Database Settings</i> , 3.7.5 <i>E-Mail Settings</i> , 3.7.6 <i>UPnP Port Mapping Settings</i> .

3.7 Advanced Settings

To access more settings of the GV-Web Report server, click **Tools** (No. 5, Figure 3-12) on the main screen. The following sections describe advanced settings: General Settings, Account Settings, Remote Access Settings, Database Settings, E-Mail Settings, and UPnP Port Mapping Settings.

3.7.1 General Settings

The General Settings allow you to configure the communication ports of the GV-Web Report server and automatic startup services.



The screenshot shows the 'General Setup' window with the following settings:

- Data Server**
 - Server Name: DESKTOP-A2A1HMK
 - Listen Port: 30000
 - Counter V3 Listen Port: 8890
 - Max Client Limit: 100 (Max value is 2550)
 - ☒ Auto Start Service
- Web Server**
 - Listen Port: 88
 - ☐ Auto Start Service
 - ☐ Auto Startup Export Service
 - ☐ Auto startup after login Windows
 - ☐ Startup Auto Login
 - ☐ Auto minimize on startup

Buttons at the bottom right: 'Reset to default' and 'Apply'.

Figure 3-13

[Data Server]

- **Server Name:** Defines the name of the GV-Web Report server. The default value is the computer name.
- **Listen Port:** The default port value for GV-Web Report is 30000. The port value must match the GV-Web Report related port on GV-3D People Counter V2 (Figure 3-1), GV-DVR/NVR/VMS (Figure 3-3) and GV-Smart Box.
- **Counter V3 Listen Port:** The default port value for GV-3D Counter V3 connection is 8890. The port must match the **Server Port** configured on the GV-3D People Counter V3. To locate the Server Port on the GV-3D People Counter's Web interface, go to **Config > Network > HTTP POST**. For details, see 7. *Connecting to GV-Web Report* in [GV-3D People Counter V3 Quick Start Guide](#)

- **Max Client Limit:** Defines the maximum number of GV-3D People Counters, GV-DVR/NVR/VMS and GV-Smart Boxes that can be connected to the GV-Web Report. The maximum value is shown on the right.
- **Auto Start Service:** Automatically starts connection to GV-3D People Counters, GV-DVR/NVR/VMS and GV-Smart Boxes once the GV-Web Report server is started.

[Web Server]

- **Listen Port:** The default port value is 80. The HTTP port enables connecting the GV-Web Report server to the Web.
- **Auto Start Service:** Automatically starts remote access to GV-DVR/NVR/VMS and GV-Smart Boxes.
- **Auto Startup Export Service:** Automatically starts the scheduled data export task after GV-Web Report launches. See *3.7.7 Exporting Counting Data*.
- **Auto startup after Windows login:** Automatically launches the GV-Web Report server after Windows startup.
- **Start Auto login:** Automatically logs into the GV-Web Report server after Windows startup. Click the **Arrow** button and enter the login credential of GV-Web Report.
- **Auto Minimize on startup:** Automatically minimizes the GV-Web Report window after GV-Web Report launches.

3.7.2 Account Settings

The GV-Web Report supervisor can create new accounts with different access rights. The supervisor account has the privilege to log into the GV-Web Report and make configuration settings, while the user account is only allowed to access the GV-Web Report Web interface. The maximum account number for supervisor and user accounts is 100.

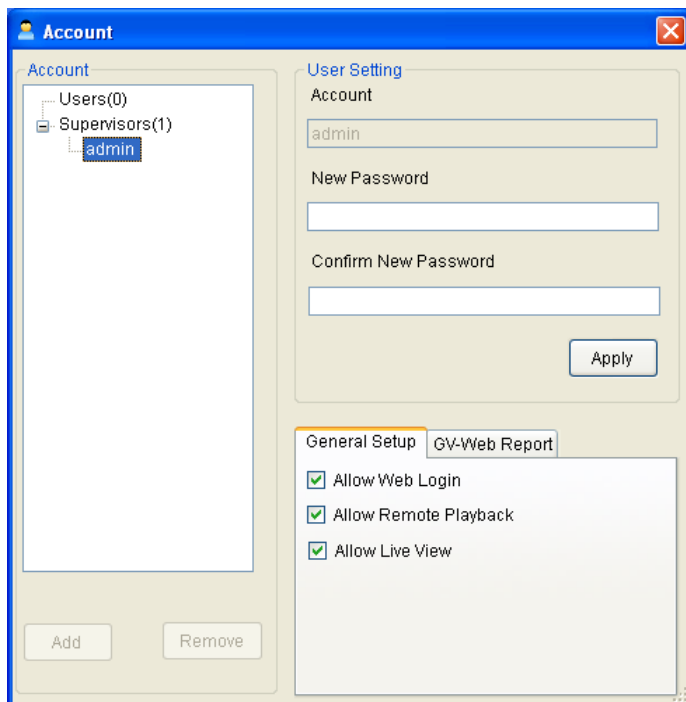
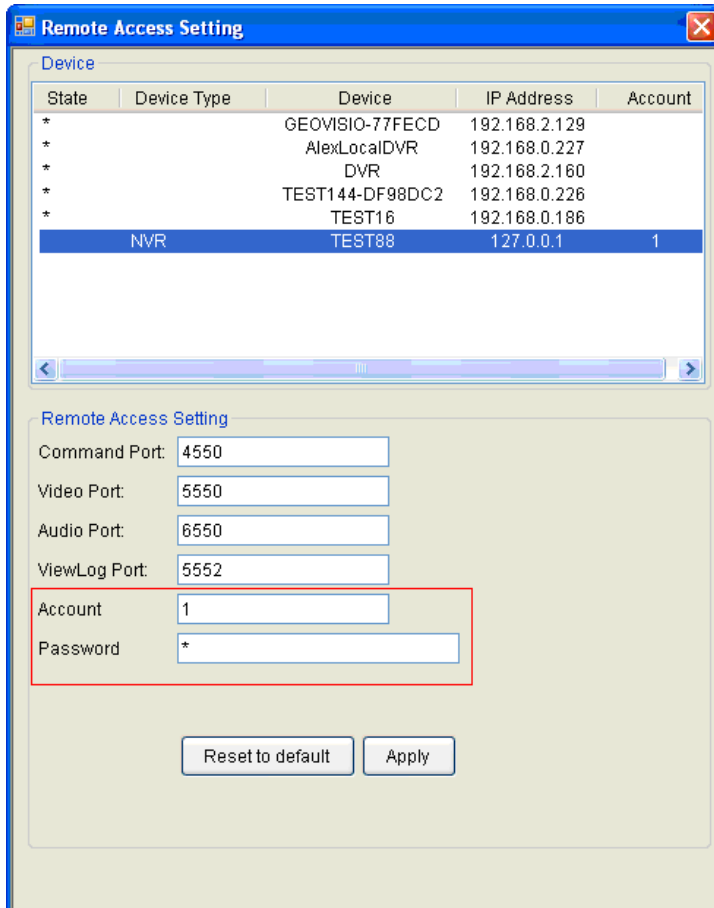


Figure 3-14

For details on the **Allow Group Setting** option under the GV-Web Report tab in the Account dialog box, see *4.2 Group Page*.

3.7.3 Remote Access Settings

The Remote Access Settings display available GV-DVR/NVR/VMS systems and GV-Smart Boxes for remote access to their live video, recordings, and face snapshots through a Web browser. The asterisk * on the **State** column indicates the account name and password are required for access to the specific system or device. To allow remote access, select it on the list and then type its login account and password.



The screenshot shows the 'Remote Access Setting' window. It contains a table of devices and a section for configuring remote access settings.

State	Device Type	Device	IP Address	Account
*		GEOVISIO-77FEC	192.168.2.129	
*		AlexLocalDVR	192.168.0.227	
*		DVR	192.168.2.160	
*		TEST144-DF98DC2	192.168.0.226	
*		TEST16	192.168.0.186	
	NVR	TEST88	127.0.0.1	1

Below the table, the 'Remote Access Setting' section includes the following fields:

- Command Port: 4550
- Video Port: 5550
- Audio Port: 6550
- ViewLog Port: 5552
- Account: 1
- Password: *

At the bottom, there are two buttons: 'Reset to default' and 'Apply'.

Figure 3-15

3.7.4 Database Settings

You can modify the storage path of the GV-Web Report database, specify the number of days to keep the database, and change the storage path of face snapshots from GV-Smart Boxes.

If the computer of the GV-Web Report server is of NTFS file system, you can select **Enable Database Compression** to save disk space.

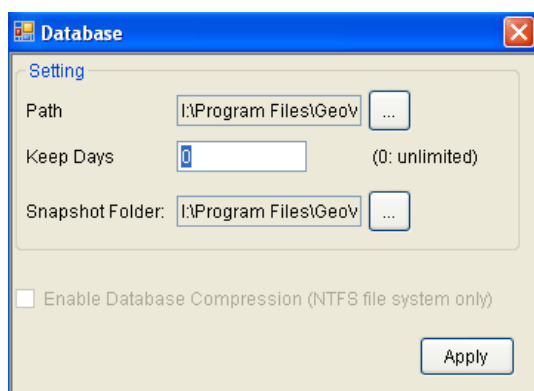


Figure 3-16

3.7.5 E-Mail Settings

You can send e-mails to the supervisor when the connection of any GV-3D People Counter, GV-DVR/NVR/VMS or GV-Smart Box is lost. You can also send e-mail notifications when the pre-defined maximum number of people is reached. See 4.2 *Group Page* on how to set the maximum.

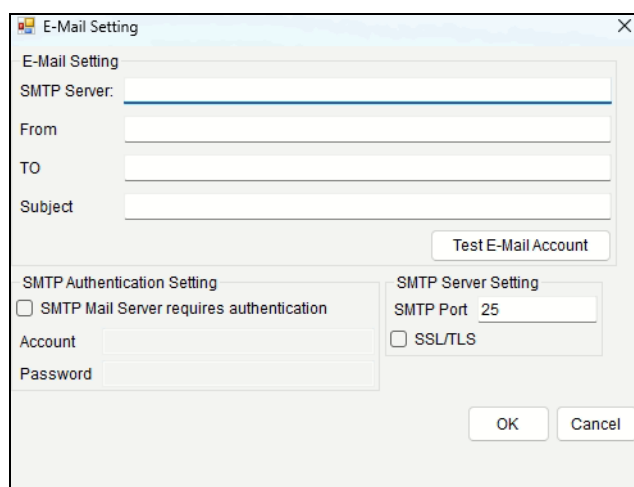


Figure 3-17

3.7.5.1 Setting Mail Server

1. Type URL or IP address of the SMTP server.
2. Type the sender e-mail address.
3. Type the recipient e-mail address. For multiple recipients, add a semicolon between each e-mail address.
4. Type a subject regarding an alert message.
5. Click **Test E-Mail Account** to send out a test e-mail to see whether the setup is complete. If not, you may need to check the **SMTP Authentication Setting** and **SMTP Server Settings** described below.

Other options on the dialog box:

[SMTP Authentication Setting] If your e-mail service provider requires an authentication for sending e-mails, select this option and type your SMTP account ID and password.

[SMTP Server Setting]

- **SMTP Port:** Type the SMTP port value. The default value is 25.
- **SSL/TLS:** If your e-mail server requires an SSL or TLS authentication for connection, select this option.

3.7.5.2 Setting E-Mail Alert

When a GV-3D People Counter, GV-DVR/NVR/VMS or GV-Smart Box is disconnected from the GV-Web Report, the e-mail will be sent out to warn the supervisor. Follow the steps below to set the e-mail alert.

- Right-click the host in the host list and select **Host Setting**.

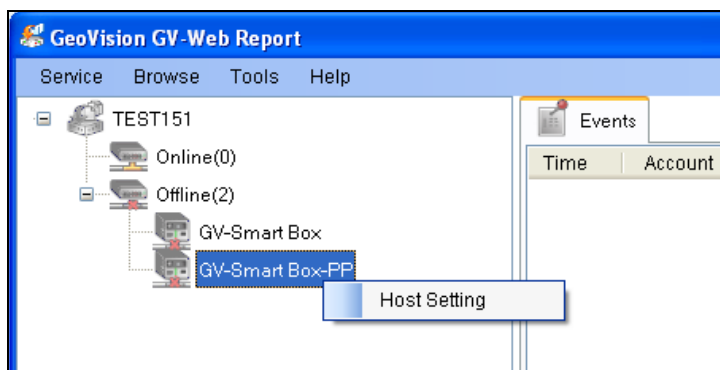


Figure 3-18

- Enable **Send E-Mail Notification when disconnected**, and click **OK**.

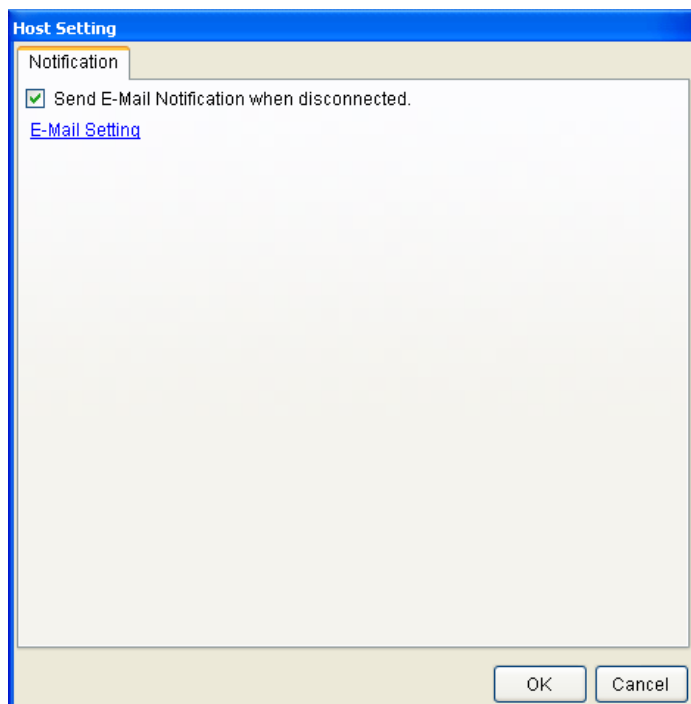


Figure 3-19

3.7.6 UPnP Port Mapping Settings

The GV-Web Report server supports UPnP technology (Universal Plug and Play) to allow automatic port configuration to your router.

The following requirements must be met to enable UPnP:

- Windows operating system has been configured to use UPnP
- UPnP has been enabled on your router (consult your router's documentation)

To enable UPnP on the GV-Web Report:

1. Click **Tools** from the menu bar and select **UPnP Port Mapping Setting**. This dialog box appears.

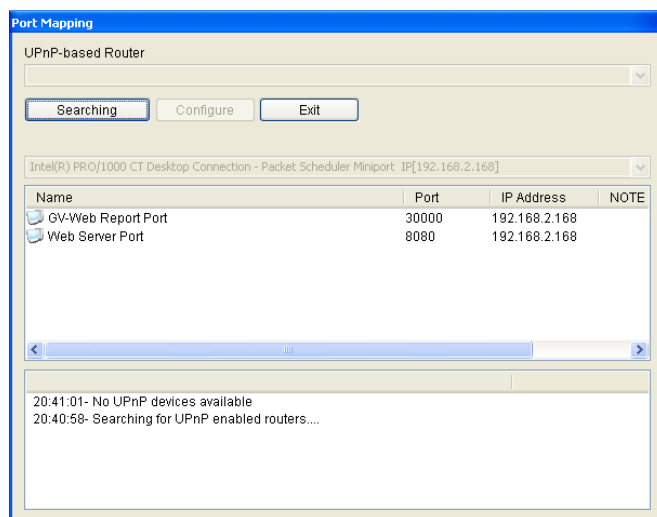


Figure 3-20

2. Click **Searching** to search the UPnP-enabled routers.
3. If your server is installed with more than one router, select a desired one from the UPnP-based Router dropdown list.
4. If you server is installed with more than one network adapter, select a desired one from the dropdown list.
5. Click **Configure** to automatically configure the communication ports on the router.

Tip: If you are not using the default ports, update the corresponding port settings in the **General Settings** dialog box (Figure 3-10). Then, re-open the UPnP Port Mapping dialog box and follow the steps above to configure your router.

3.8 Exporting the Counting Data

GV-Web Report allows you to export people counting and POS data on a daily, weekly, monthly, or yearly basis. Data can be delivered via e-mail or saved to a designated local folder automatically.

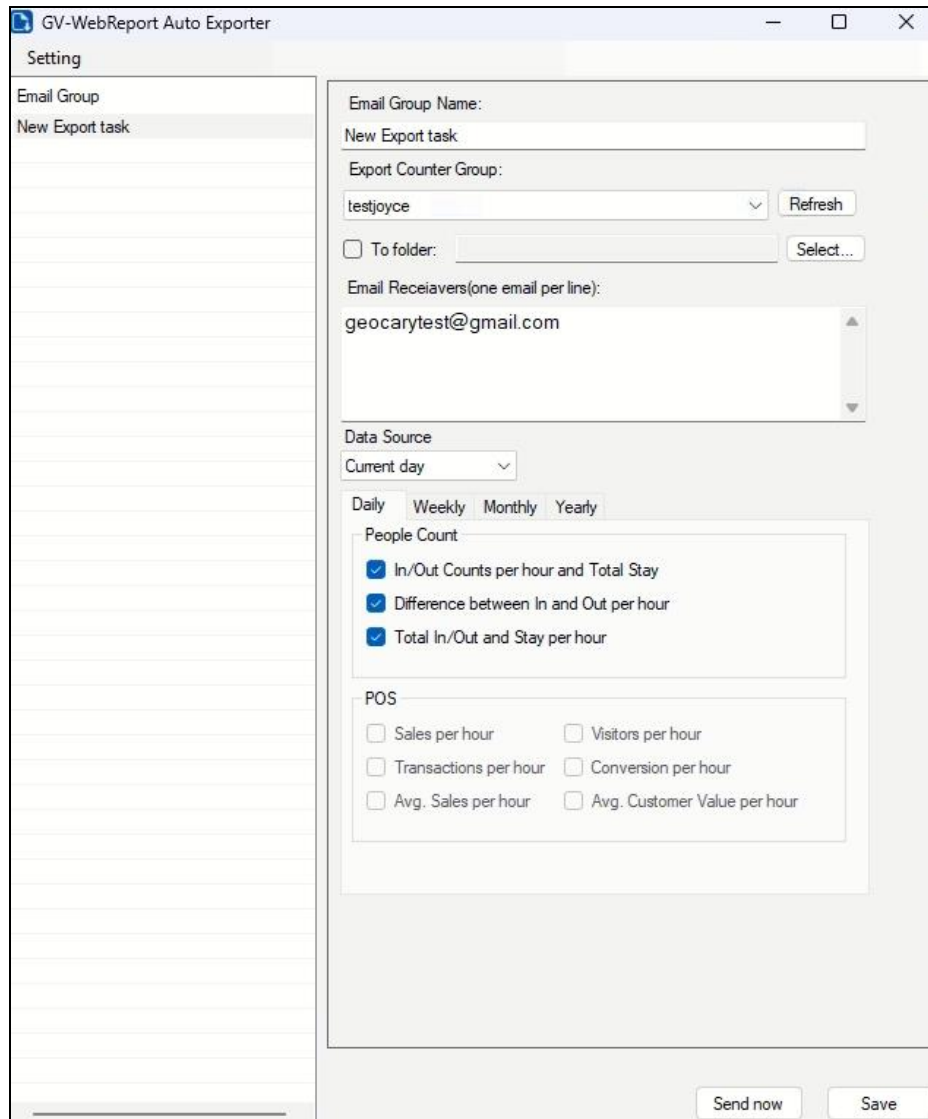


Figure 3-21

To access the function, follow the steps below”

1. Click **Service** on the menu bar > **Auto Export Service**.
2. If the e-mail server has not been configured, you will be prompted to configure the **SMTP Settings**.
3. On the GV-Web Report Auto Export dialog box, right-click **Email Group** > **New Export Task**.
4. Configure the following settings on the dialog box:

- **Email Group Name:** Assign a name to the export task.
 - **Export Counter Group:** Select a counter group for export. To create groups, see *4.2 Group Page*.
 - **To Folder:** Specify the local file path to save the exported data.
 - **Email Receivers:** Enter email address(es) to receive the exported data.
 - **Data Source:** Select the data of **Previous day** or **Current day** to export.
 - **Daily, Weekly, Monthly, Yearly:** Select the export frequency.
 - **People Count:** Select the specific people counting data to export.
 - **POS:** Select the specific POS data to export.
5. Click **Send now** to export immediately, or **Save** to save the settings.

The exported data is available in the **.CVS** and **.pdf** formats.

To automatically start the scheduled export task after GV-Web Report launches, enable the **Auto Startup Export Service** function under **General Setup**. See *3.7.1 General Settings*.

3.9 Accessing the Web Interface

To access counting results through the Web interface, ensure that **Web Service** on the GV-Web Report server has been enabled as shown below.

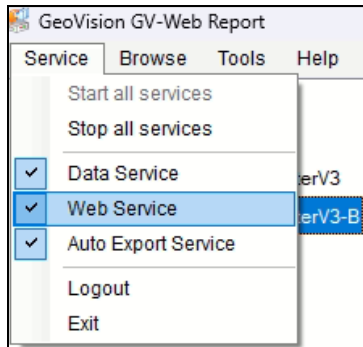


Figure 3-22

1. Two methods to access the Web interface of GV-Web Report:
 - A. If you are using the local GV-Web Report server, select **Browse** on the main screen of the GV-Web Report (No. 4, Figure 3-12) and select **GV-Web Report Data**. The login page appears.

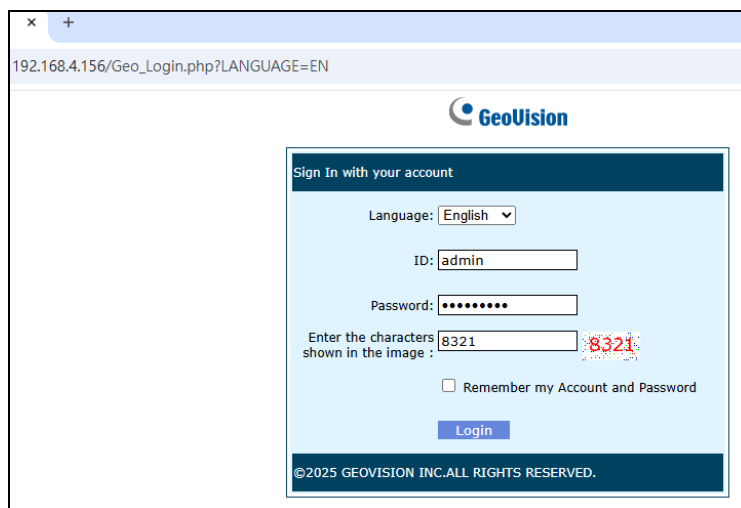


Figure 3-23

- B. If you are using a remote computer, open a Web browser and enter the IP address or domain name of the GV-Web Report in the browser. The login page appears.
2. Type the login ID and Password of the GV-Web Report.
3. Type the characters shown in the image.

4. Click **Login**. The Web page is now displayed on your browser.

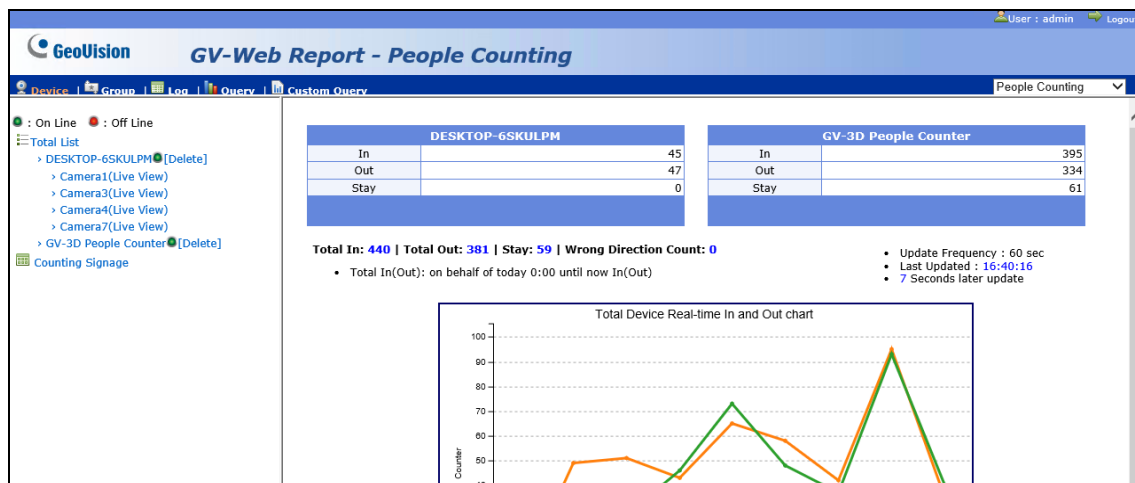


Figure 3-24

After starting GV-Web Report Service, you can access the counts, graphics and live video on the network. The GV-Web Report is organized into **five pages**, which can be selected from the upper-right corner of the interface. These pages are listed in the table below:

No.	Counting Pages	Description
1	People Counting	provides counting data regarding the number of people stepping in and out as well as the number of people remaining in the surveillance area from GV-3D People Counters, GV-DVR/NVR/VMS and GV-Smart Boxes . See <i>Chapter 4 People Counting Page</i> .
2	Face Counting	provides face counting data, and gender and age recognition results of people in the surveillance area from GV-DVR/NVR/VMS and GV-Smart Boxes . See <i>Chapter 5 Face Counting Page</i> .
3	POS Information	provides statistical data regarding the total and average sales amount, the number of transactions, visitors, conversion and average customer value in the surveillance area from GV-DVR/NVR/VMS . See <i>Chapter 6 POS Information Page</i> .
4	Heat Map Information	provides the visualized traffic data about the level of motion intensity detected in the surveillance area. This function is only supported by GV-VMS . See <i>Chapter 7 Heat Map Information Page</i> .
5	Object Size Counting	provides counting data of vehicles in the surveillance area sorted by different object sizes from GV-Smart Boxes . See <i>Chapter 8 Object Size Counting Page</i> .

Chapter 4 People Counting Page

The **People Counting** page provides counting data regarding the number of people in, out of, and remaining in the surveillance area. The counting data can be acquired from GV-3D People Counters, GV-DVR/NVR/VMS and GV-Smart Boxes.

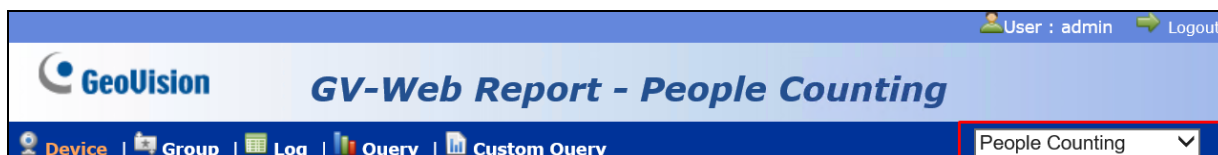


Figure 4-1

4.1 Device Page

On the Device page, you can access three types of people counts of the current day.

Main page	On the main page of the Device page, the people counts of the current day are updated from the GV-Web Report server every minute. See <i>4.1.1 Viewing People Counts Updated Every Minute</i> .
Counting Signage	On the Counting Signage page, the people counts of the current day are updated from the GV-Web Report server immediately. See <i>4.1.2 Viewing the Current People Counts</i> .
Live View Window	On the Live View window, the people counts are updated directly from GV-DVR/NVR/VMS . You can also view live video from GV-DVR/NVR/VMS or GV-Smart Box. See <i>4.1.3 Viewing Live Video</i> .

4.1.1 Viewing People Counts Updated Every Minute

The data on the main page of the Device page is updated every minute from the GV-Web Report server. The page displays the people counts and graphs of all connected GV-3D People Counters, GV-DVR/NVR/VMS and GV-Smart Boxes.

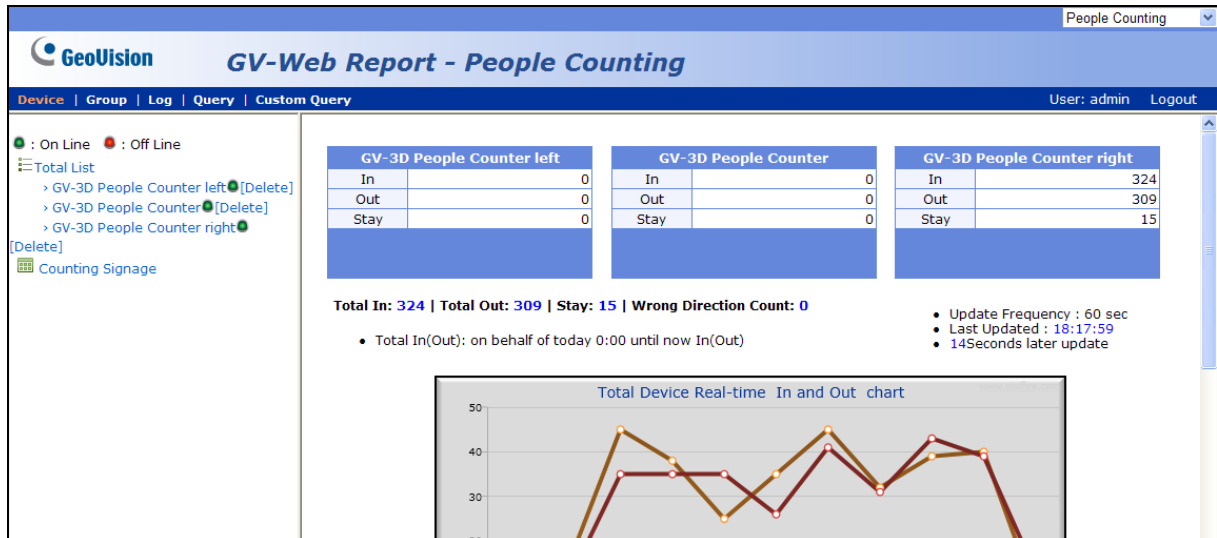


Figure 4-2

The counts on the main page show:

- **In:** The number of people entered during the day.
- **Out:** The number of people left during the day.
- **Total In:** The total number of entered people detected from multiple devices during the day.
- **Total Out:** The total number of left people detected from multiple devices during the day.
- **Stay:** The number of remaining people, the subtraction of **Total Out** from the number of **Total In**.
- **Wrong Direction Count:** The total number of people moving in the wrong direction during the day.

On the left menu, you can find these options:

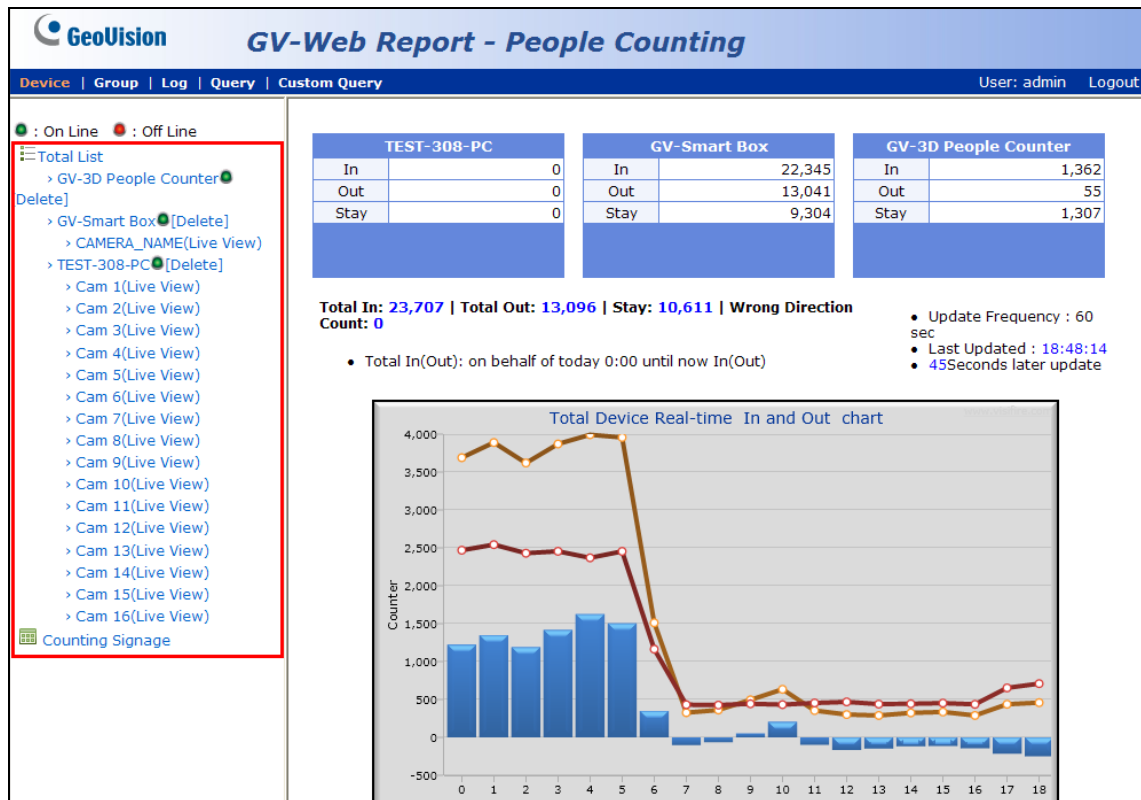


Figure 4-3

- **Total List:** Select one device under the list to access its individual counts. A green mark indicates that the device is now updating data to the GV-Web Report server; otherwise a red mark appears. On the individual device's page, the people counts of the current day are updated every minute from the GV-Web Report server. To remove a device from the list, click **Delete** next to the device name.
 - ⊙ **Camera:** Access the live video if remote access function is enabled on both the device and GV-Web Report server. See 4.1.3 *Viewing Live Video*.
- **Counting Signage:** Access the people counts of the current day updated immediately from the GV-Web Report server. See 4.1.2 *Viewing the Current People Counts*.

4.1.2 Viewing the Current People Counts

To view the people counts of the current day continuously updated from the GV-Web Report server, select **Counting Signage** from the left menu of the Device page.

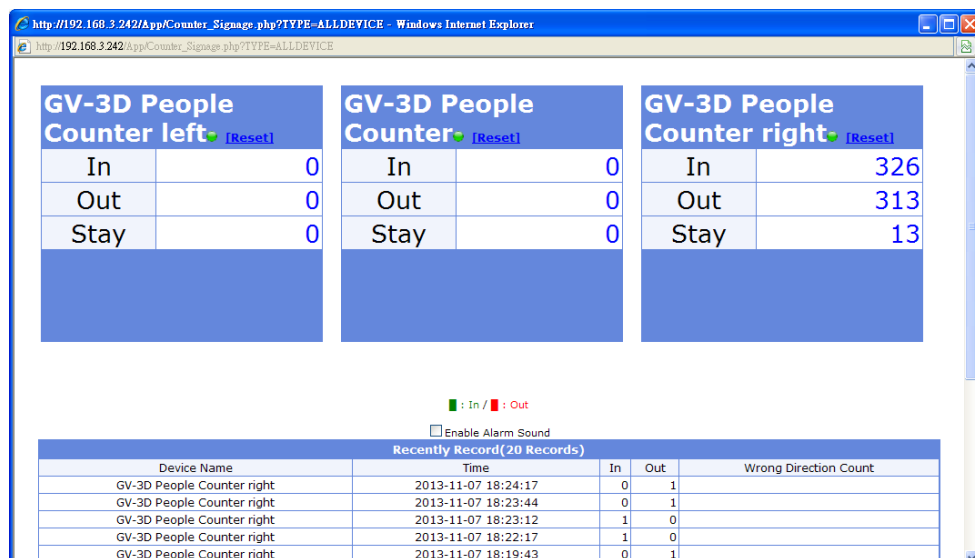


Figure 4-4

4.1.3 Viewing Live Video

To access live video, select the desired camera from the left menu of the Device page. To enable video streaming, ensure the following settings have been configured:

- **GV-DVR/NVR/VMS:** Enable WebCam Server, and configure DVR Configuration for Remote Access in **dbSync2** (Figure 3-3).
- **GV-Web Report:** Enable Remote Access settings (3.7.3 *Remote Access Settings*)



Figure 4-5

By clicking the **Start** button on the Live View window, you can view the updating counts from the GV-DVR/NVR/VMS.

Note:

1. The **In** and **Out** counts on the Live View window is updated directly from the GV-DVR/NVR/VMS instead of the GV-Web Report server.
 2. Once the counts are logged into the GV-DVR/NVR/VMS, the In and Out counts will become zero and the GV-DVR/NVR/VMS will start counting those numbers again.
 3. The live view function is supported only via IE or Microsoft Edge in IE mode.
-

4.2 Group Page

On the Group page, you can group different cameras from different GV-3D People Counters, GV-DVR/NVR/VMS and GV-Smart Boxes, and see the people counts of the set group. You can also set up the maximum number of people entered, left and remaining to activate the computer alarm. The I/O trigger and e-mail notification can also be activated when the number of people remaining reaches the pre-defined maximum.

To set up a group:

1. Select **Add Group** from the left menu of the Group page. This page appears.

Figure 4-6

2. Name the group.
3. Select the cameras that you want to include in the group.
4. In the **In Maximum** field, set the maximum number of people that can enter during the day before activating the computer alarm.
5. In the **Out Maximum** field, set the maximum number of people that can leave during the day before activating the computer alarm.
6. In the **Stay Maximum** field, set the maximum number of people that can remain during the day before activating the computer alarm, sending a notification e-mail or triggering an output device.
7. Select a **Country** and a **City** to specify your location if you are in Taiwan and China.
8. To receive e-mail notifications when the maximum number of people remained is reached, select **Yes** for **Set email for reaching the maximum**.
9. To trigger an output device when the maximum number of people remained is reached, select **Yes** for **Set I/O trigger for reaching the maximum**.

10. Click **Submit**.
11. From **Total List** in the left menu, select the set **Group** to see the sum of every people count from the selected cameras.

On the left menu of the Group page, you can find these options:

- **Total List:** Access the people counts of the set groups updated every minute from the GV-Web Report server.
- **Counting Signage:** Access the people counts of the set groups updated immediately from the GV-Web Report server. When the limit of **In Maximum**, **Out Maximum** or **Stay Maximum** is reached, the warning texts will be displayed on the page and the computer alarm will be activated too.
- **Setting Group Relations:** Drag and drop a group under another group to make a subgroup.

To set up e-mail notifications:

To receive e-mail notifications when the maximum number of people remaining is reached, you must first set up the mail server on the GV-Web Report server, and then set up an e-mail group as below. To set up the mail server to send e-mails, see 3.7.5 *E-mail Settings*.

1. Select **Add Email Group** from the left menu of the Group page. This page appears.

The screenshot shows the 'GV-Web Report - People Counting' interface. On the left is a navigation menu with options like 'Total List', 'Area94404', 'Area98040', 'Group94704', 'Manage Group', 'Add Group', 'Maintain Group', 'Setting Group Relations', 'Manage Email Group', 'Add Email Group', 'Maintain Email Group', 'Manage I/O Device', 'Add I/O Device', 'Maintain I/O Device', and 'Counting Signage'. The main area displays the 'Add Email Group' form. This form has a title bar 'Add Email Group' and two input fields: 'Email Group' and 'Group member email'. Below the 'Group member email' field is a note: 'More than one person, please separate with a semicolon'. At the bottom of the form are 'Submit' and 'Cancel' buttons. The top of the interface shows the 'GeoVision' logo, the title 'GV-Web Report - People Counting', and user information 'User: admin' with a 'Logout' link.

Figure 4-7

2. Name the group.
3. In the **Group member email** field, type the E-mail address to sent notification to. Separate multiple e-mail addresses with semicolons.
4. Click **Submit**.
5. Click **Maintain Group** to customize the e-mail subject and content. And then click the **Update Group** button . Type new e-mail subject and content.
6. Select **Maintain Email Group** to edit an existing e-mail group. And then click the **Update Group** button . Click the **Delete Group** button , to delete an existing group.

To set up I/O triggers:

The I/O trigger warns the onsite operator of the GV-Web Report server when the number of people remaining reaches the pre-defined maximum. The I/O trigger function only supports GV-I/O Box 4/8/16 Ports.

Note: The I/O trigger function only supports one output device through a GV-I/O Box, and the GV-I/O Box needs to be connected to the COM port of the GV-Web Report server.

1. Select **Add I/O Device** from the left menu of the Group page. This page appears.



Output	Signal Type	Sec
☒ Output1	☐ N/O ☐ N/C	5
☒ Output2	☐ N/O ☐ N/C	5
☒ Output3	☐ N/O ☐ N/C	5
☒ Output4	☐ N/O ☐ N/C	5
☒ Output5	☐ N/O ☐ N/C	5
☒ Output6	☐ N/O ☐ N/C	5
☒ Output7	☐ N/O ☐ N/C	5
☒ Output8	☐ N/O ☐ N/C	5

Figure 4-8

2. Select the device name from the dropdown list.
3. Select the corresponding COM port and address for the I/O device.
4. Select the output to trigger and select its signal type. For the Pulse type, specify the amount of time in second you want the output device to be triggered for.
5. Click **Submit**.

4.3 Log Page

On the Log page, you can view the people counts of a specified time period from GV-3D People Counters, GV-DVR/NVR/VMS, and GV-Smart Boxes.

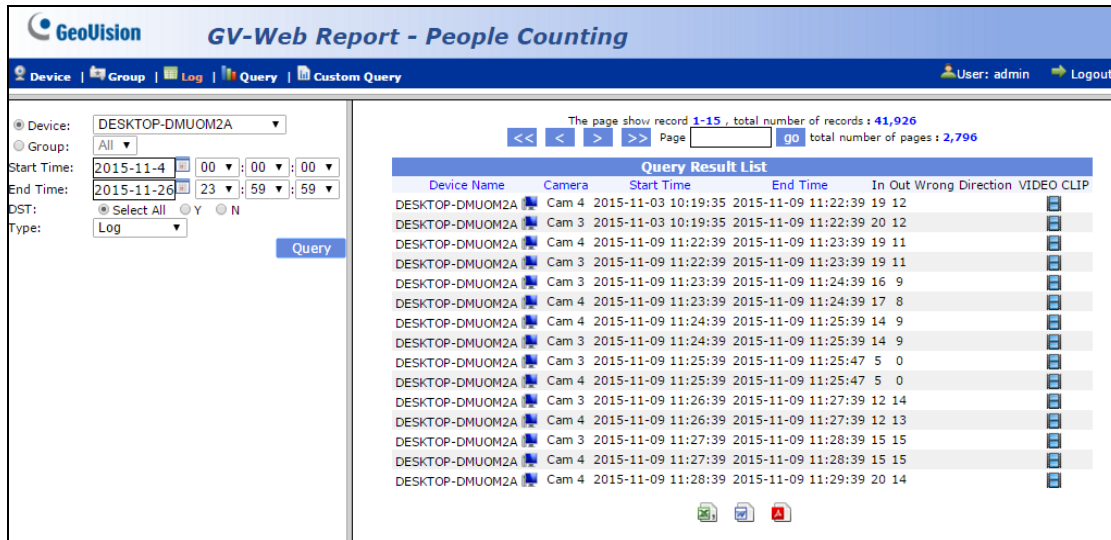
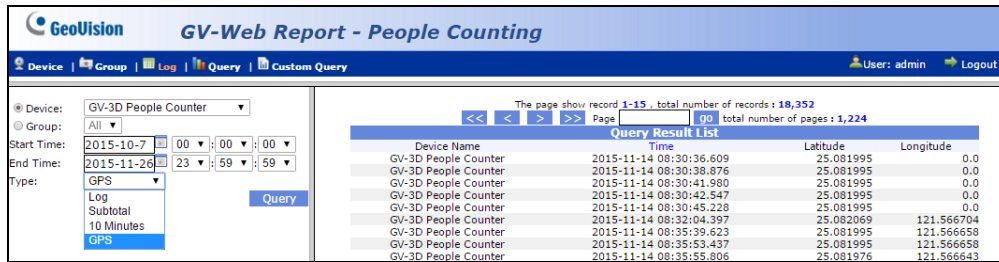


Figure 4-9

To search the log data:

1. Select a specific GV-3D People Counter, GV-DVR/NVR/VMS, and GV-Smart Box from the **Device** dropdown list or a created group from the **Group** dropdown list.
2. Specify **Start Time** and **End Time** of the log data.
3. You can select whether to search the DST (Daylight Saving Time) data. **Select All** indicates searching all data including DST data, **Y** indicates searching only DST data and **N** indicates not searching DST data.
4. To see people counting results within the Start Time and End Time, select the **Type** dropdown list:
 - **Log:** Shows the total number of In, Out, and Wrong Direction and Video Clips on an one-minute basis.
 - **Subtotal:** Shows the total number of In, Out, and Stay on an one-hour basis.
 - **10 Minutes:** Shows the total number of In and Out and Wrong Direction on a 10-minute basis.

- **GPS:** Shows latitude and longitude of GV-3D People Counters.



Device Name	Time	Latitude	Longitude
GV-3D People Counter	2015-11-14 08:30:36.609	25.081995	0.0
GV-3D People Counter	2015-11-14 08:30:38.876	25.081995	0.0
GV-3D People Counter	2015-11-14 08:30:41.980	25.081995	0.0
GV-3D People Counter	2015-11-14 08:30:42.547	25.081995	0.0
GV-3D People Counter	2015-11-14 08:30:45.228	25.081995	0.0
GV-3D People Counter	2015-11-14 08:32:04.397	25.082069	121.566704
GV-3D People Counter	2015-11-14 08:35:39.623	25.081995	121.566658
GV-3D People Counter	2015-11-14 08:35:53.437	25.081995	121.566658
GV-3D People Counter	2015-11-14 08:35:55.806	25.081976	121.566643

Figure 4-10 Search results showing GPS data

5. Click **Query** to display the search results.

To back up the search results in EXCEL, WORD or PDF format, click the icons    at the bottom of the Query Result List.

4.3.1 Playing Back Recordings

To retrieve recordings, click the **Video Clip** icon on the Log page. The following playback window will appear. To have video streaming, ensure the following settings have been configured or enabled:

- **dbSync2:** DVR Configuration for Remote Access configured (Figure 3-3)
- **GV-DVR/NVR/VMS:** WebCam Server with the **Run Viewlog Server** option enabled
- **GV-Web Report:** Remote Access settings configured (Figure 3-15)

Note: The playback function is supported only via IE or Microsoft Edge in IE mode.

Note: The GV-3D People Counter and the GV-Smart Box do not support the playback function.

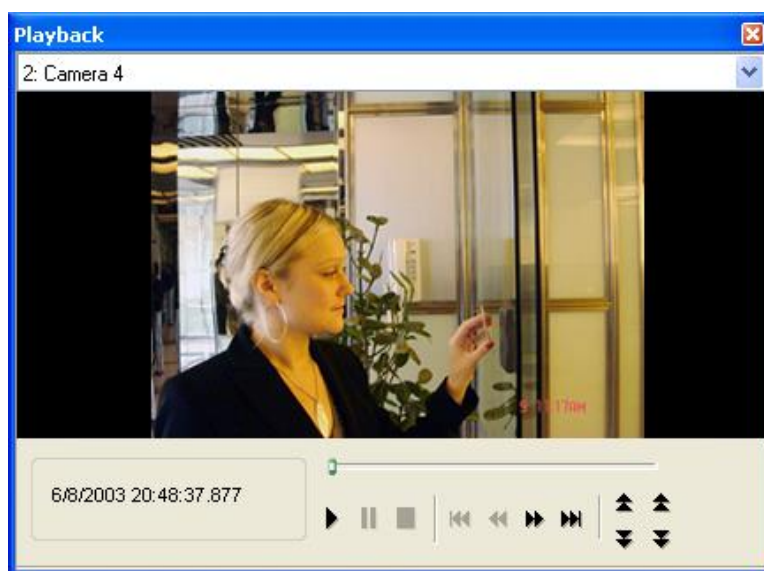
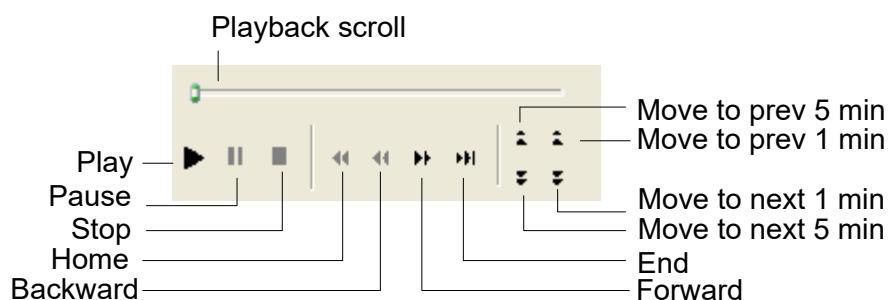


Figure 4-11



Right-click the playback window to see the following features:

Play Mode	Includes these options: ■ Frame by Frame: Play back video frame by frame. ■ Real Time: Play back video on real time. This mode saves time to wait for rendering, but may drop frames to provide the visual aspect of real-time playback. ■ Key Frame: Play back video with key frame only. ■ Smooth Playback: Smoothen the video playback when frame dropping occurs. ■ Play Speed: Play back video with a designated speed. The options of 0.25x / 0.5x / 1x / 2x / 4x / 8x are available. ■ Auto Play Next 5 Minutes: Play back video up to 5 minutes. ■ Audio: Turn on or off the video sound.
Render	Includes these options: ■ Deinterlace: Convert the interlaced video into non-interlaced video. ■ Scaling: Smoothen the possible mosaic squares when enlarging a playback video ■ Deblocking: Remove the block-like artifacts from low-quality and highly compressed video. ■ Defog: Enhance image visibility. ■ Stabilizer: Reduce camera shake. ■ Text overlay's camera name and time: Overlay camera name and time onto the video. ■ Text overlay's POS/GV-Wiegand: Overlay POS or GV-Wiegand Capture data onto the video. ■ Wide angle lens dewarping: Reduce the warping of playback. ■ Fisheye: Play back video with Fisheye view or enable the Fisheye Options. For details, see 3.2.2 <i>Fisheye View</i> in <i>GV-Fisheye Camera's User Manual</i>. This function is supported by GeoVision fisheye cameras only. ■ Mega Pixel View: Enable the PIP or PAP view. ■ Full Screen: Switch to the full screen view. ■ Heat Map: Overlay heat map results onto the video.

Tools	■ Snapshot: Save a video image. ■ Save as AVI: Save a video as avi format. ■ Download: Download the video clip to the local computer.
--------------	--

4.4 Query Page

The Query page provides you with the daily, weekly, monthly and yearly people counting graphs and tables.

To search the counting data, select a GV-3D People Counter, GV-DVR/NVR/VMS or GV-Smart Box from the **Device** dropdown list or a created group from the **Group** dropdown list, specify a date, and select the options below. Use the **Chart** dropdown list  to choose to display the data in bar graph, pie graph or line graph.

Note:

1. The graphs are displayed with HTML5. For best display performance, use Microsoft Internet Explorer 7 or above.
 2. Pie graph is not available for the following types of data:
 - In/Out Counts per hour and Total Stay
 - Total In, Out and Stay per Hour
 - In Counts per Hour
 - Out Counts per Hour
 - Total Stay per Hour
-

[Daily Report] Display the counting report of the specified date.

- **In/Out Counts per hour and Total Stay:** The hourly number of people entered and left, and the total number of people remaining until now.
- **Difference between In and Out per hour:** The hourly number of people remaining.
- **Total In, Out and Stay per hour:** The total number of people entered, left and remaining during the day.

The following figure is an example of the **In/Out Counts per hour and Total Stay** option. The value 36,103 indicates the total number of departing people, while 48,225 indicates the total number of entering people between 9 am and 12 am. The statistics shows an increase in the number of people staying until 10 am.

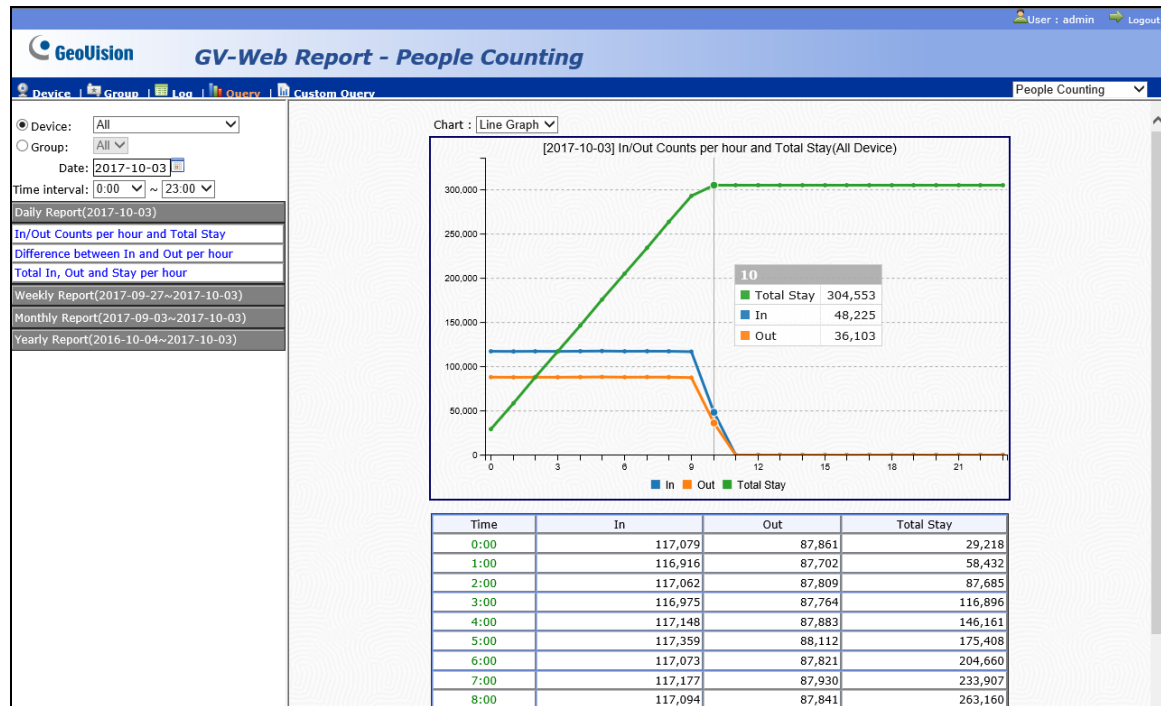


Figure 4-12

[Weekly Report] Displays the weekly report that contains the data of 7 days before your specified date.

- **In Counts per hour:** The hourly number of people entered for the week.
- **Out Counts per hour:** The hourly number of people left for the week.
- **Total Stay per hour:** The hourly number of people remaining for the week.
- **In Percentage per day:** The daily percentage of people entered for the week.
- **In Percentage per hour:** The hourly percentage of people entered for the week.
- **Stay Percentage per hour:** The hourly percentage of people remaining for the week.

The following figure is an example of the **In Percentage per hour** option. The value 13:00, 23.81% indicates the total number of entered people at 13 pm every day for the week is 20. The number takes up 23.81 percent of the total people entered for the week.

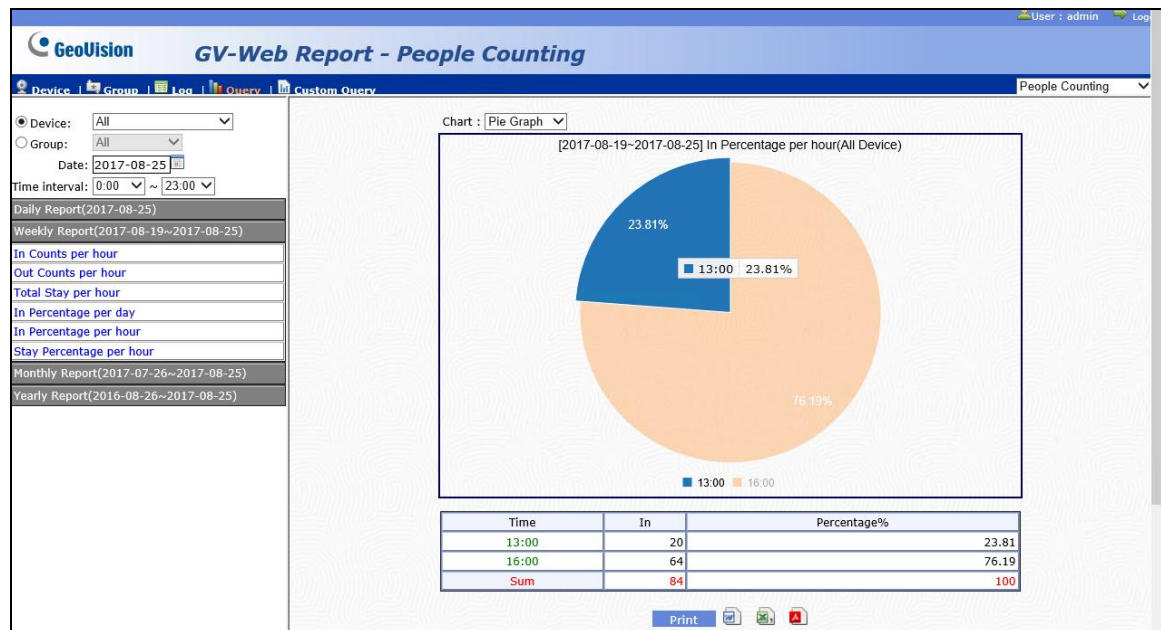


Figure 4-13

[Monthly Report] Displays the monthly report that contains the data of 30 days before your specified date.

- **In Percentage per day:** The daily percentage of people entered in the month.
- **In Percentage per hour:** The hourly percentage of people entered in the month.
- **Stay Percentage per hour:** The hourly percentage of people remaining in the month.

[Yearly Report] Display the yearly report that contains the data of 365 days before your specified date.

- **In Percentage per month:** The monthly percentage of people entered in the year.
- **Out Percentage per hour:** The hourly percentage of people entered in the year.
- **Stay Percentage per hour:** The hourly percentage of people remaining in the year.

4.5 Custom Query Page

The Custom Query page allows you to look up the counting data during a specific period of time. You can customize the X Axis and Y Axis of the line graph.

1. Select a GV-3D People Counter, GV-DVR/NVR/VMS or GV-Smart Box from the **Device** dropdown list or select a created group from the **Group** dropdown list
2. Set a **Start Time** and **End Time** to filter the counting data.
3. To include only the data from specific time and days of the week, click **Setting** next to Work Date. This window appears.

Work dateSetting			
☒ (Sun)	06	: 05	~ 14 : 05
☒ (Mon)	00	: 00	~ 24 : 00
☒ (Tue)	00	: 00	~ 24 : 00
☒ (Wed)	00	: 00	~ 24 : 00
☒ (Thu)	00	: 00	~ 24 : 00
☒ (Fri)	00	: 00	~ 24 : 00
☒ (Sat)	00	: 00	~ 24 : 00

Submit Cancel Close Window

Figure 4-14

4. Specify the days of week and time range to include and click **Submit**.
5. You can set the Y Axis of the line graph to the following options:
 - **In:** Shows the average number of people entered.
 - **Out:** Shows the average number of people exited.
 - **Stay:** Shows the average number of people remaining.
 - **Total In:** Shows the total number of people entered.
 - **Total Out:** Shows the total number of people exited.
 - **Total Stay:** Shows the total number of people remaining.
6. You can set the X Axis of the line graph to display the counting data by hour, day, month or year.
7. Click **Query** to see the line graph.

In the example below, **In** is selected for Y Axis and **Per Hour** is selected for X Axis. The value 13 indicates that the number of people entered during 11:00 – 13:00 pm is 13.

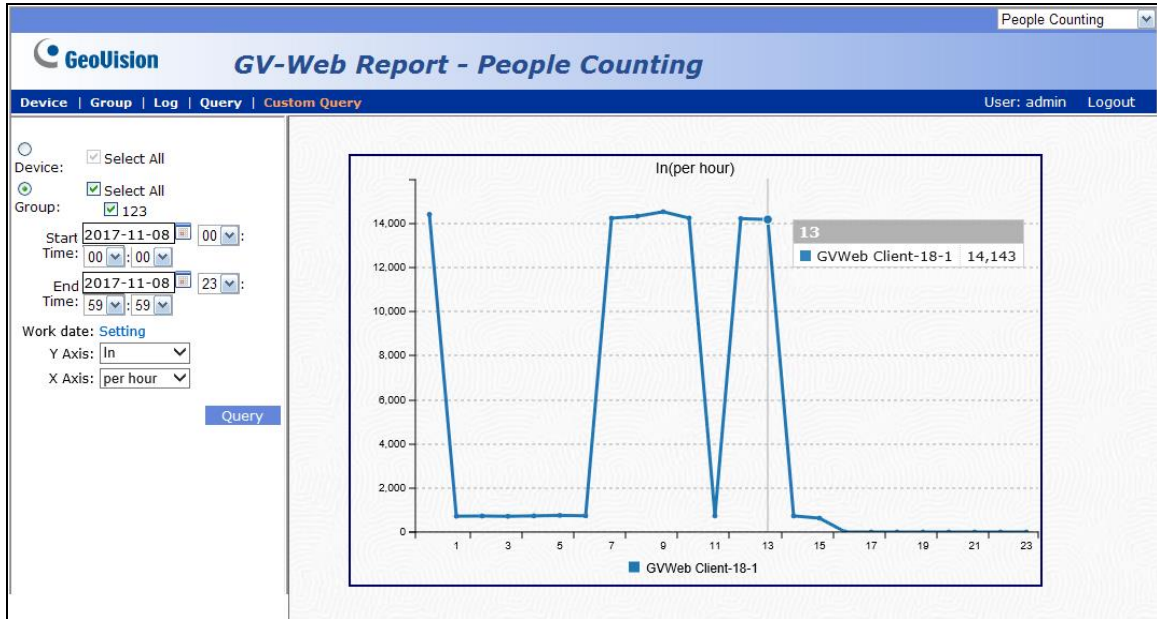


Figure 4-15

Chapter 5 Face Counting Page

The **Face Counting** page provides face counting data, and gender and age recognition results of people entered the surveillance area. The counting data can be from GV-DVR/NVR/VMS and GV-Smart Boxes.

After logging in the Web interface, click the **Face Counting** tab on the upper right corner of the Web page.



Figure 5-1

Note:

1. Functions involving age and gender recognition results are only functional when connecting to GV-Smart Boxes using firmware version 1.0.
2. The Face Counting function is only supported in GV-DVR/NVR version 8.4.0.0 or later and GV-VMS version 15.10 or later.
3. The Face Count function is not supported by GV-VMS V20.

5.1 Device Page

On the Device page, you can access two types of face counts of the current day.

Main page	On the main page of the Device page, the face counts of the current day are updated from the GV-Web Report server every minute. See <i>5.1.1 Viewing Face Counts Updated Every Minute</i> .
Live View Window	On the Live View window, you can view live video from a GV-Smart Box or GV-DVR/NVR/VMS. See <i>5.1.2 Viewing Live Video</i> .

5.1.1 Viewing Face Counts Updated Every Minute

The data on the main page of the Device page is updated every minute from the GV-Web Report server. The page displays the face counts and graphs of all connected GV-Smart Boxes and GV-DVR/NVR/VMS.

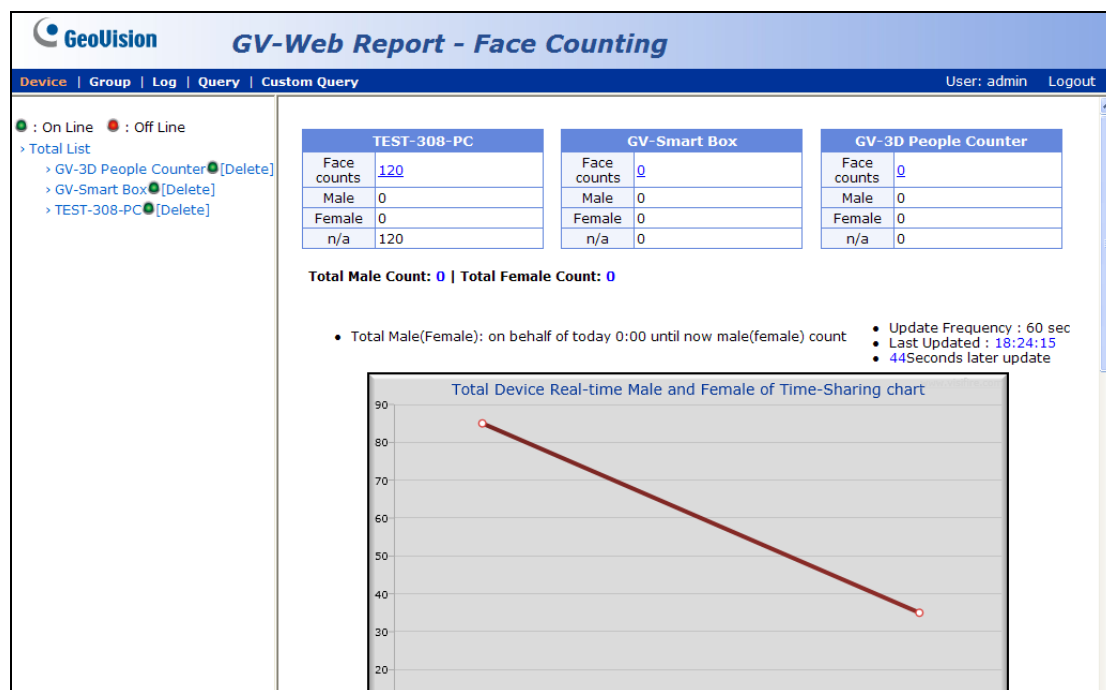


Figure 5-2

The counts on the main page show:

- **Face counts:** The number of people entered and counted based on face images during the day.
- **Male:** The number of males entered during the day.
- **Female:** The number of females entered during the day.
- **n/a:** The number of entered people whose gender failed to be recognized.
- **Total Male Count:** The total number of males entered from multiple GV-Smart Boxes during the day.
- **Total Female Count:** The total number of females entered from multiple GV-Smart Boxes during the day.

On the left menu, you can find these options:

- **Total List:** Select one GV-Smart Box or GV-DVR/NVR/VMS under the list to see its individual face counts. A green mark indicates that the device is now updating data to the GV-Web Report server; otherwise a red mark appears. On the individual device's page, the face counts of the current day are updated every minute from the GV-Web Report server. To remove a device from the list, click **Delete** next to the device name.

- ⊙ **Camera:** Access the live video if remote access is enabled on both the device and GV-Web Report server. See 5.1.2 Viewing Live Video.

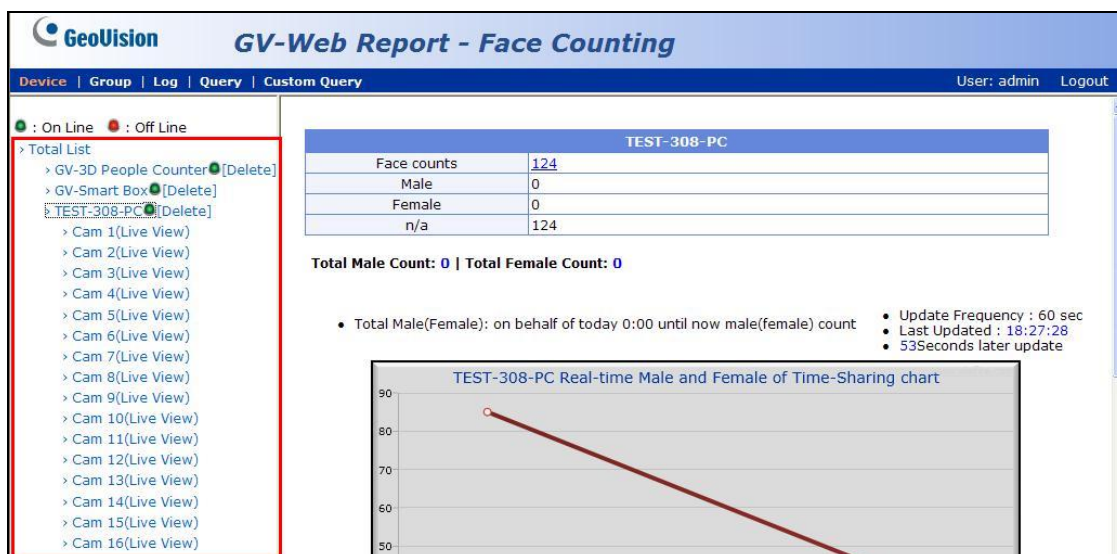


Figure 5-3

5.1.2 Viewing Live Video

To access live video, select the desired camera from the left menu of the Device page. To enable video streaming, ensure the following settings have been configured:

- **GV-DVR/NVR/VMS:** Enable WebCam Server, and configure DVR Configuration for Remote Access in **dbSync2** (Figure 3-3).
- **GV-Web Report:** Enable Remote Access settings (3.7.3 Remote Access Settings)

Note: The live view function is supported only via IE or Microsoft Edge in IE mode.



Figure 5-4

By clicking the  icon on the Live View window, you can view the live video from the GV-Smart Box or GV-DVR/NVR/VMS.

5.2 Group Page

On the Group page, you can group different cameras from different GV-Smart Boxes and GV-DVR/NVR/VMS, and see the face counts of the set group.

To set up a group:

1. Select **Add Group** from the left menu of the Group page. This page appears.

Add Group	
Group	Group1
Camera	GV-Smart Box ☒ CAMERA_NAME
Submit Cancel	

Figure 5-5

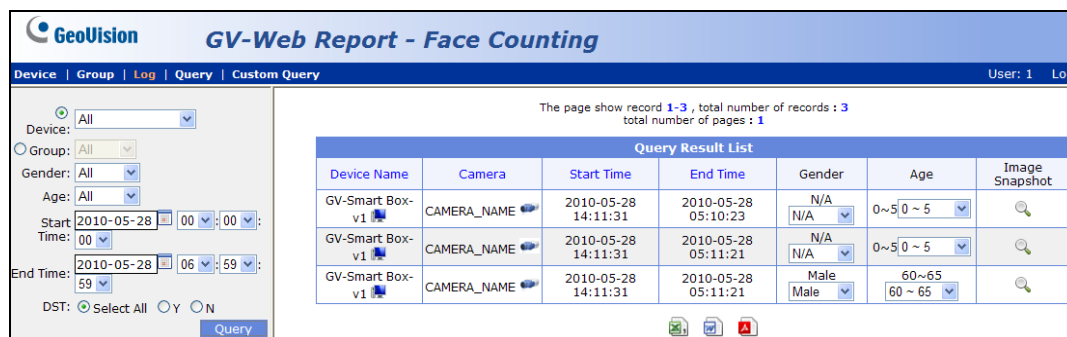
2. Name the group.
3. Select the cameras that you want to include in the group.
4. Click **Submit**.
5. From **Total List** in the left menu, select the set Group to see the sum of every face count from the selected cameras.

On the left menu of the Group page, you can find these options:

- **Total List:** Access the face counts of the set groups updated every minute from the GV-Web Report server.
- **Manage Group:**
 - ⊙ **Add Group:** Select this option to set a group.
 - ⊙ **Maintain Group:** Select this option to modify the group setting or delete a group.
 - ⊙ **Setting Group Relations:** Drag and drop a group under another group to make it a subgroup.

5.3 Log Page

On the Log page, you can view the gender and age recognition results of a specified time period and the snapshots from GV-Smart Boxes and GV-DVR/NVR/VMS.



The page show record 1-3, total number of records : 3
total number of pages : 1

Device Name	Camera	Start Time	End Time	Gender	Age	Image Snapshot
GV-Smart Box-v1	CAMERA_NAME	2010-05-28 14:11:31	2010-05-28 05:10:23	N/A	0~5	
GV-Smart Box-v1	CAMERA_NAME	2010-05-28 14:11:31	2010-05-28 05:11:21	N/A	0~5	
GV-Smart Box-v1	CAMERA_NAME	2010-05-28 14:11:31	2010-05-28 05:11:21	Male	60~65	

Figure 5-6

To search the log data:

1. Select a specific GV-Smart Box or GV-DVR/NVR/VMS from the **Device** dropdown list or a created group from the **Group** dropdown list.
2. Specify **Gender** and **Age** of the log data.
3. Specify **Start Time** and **End Time** of the log data.
4. You can select whether to search the DST (Daylight Saving Time) data. **Select All** indicates searching all data including DST data, **Y** indicates searching only DST data and **N** indicates not searching DST data.
5. Click **Query** to display the search results.
 - **Gender:** You can view the gender of the person entered. **N/A** appears when the GV-Smart Box fails to recognize the gender. You can also manually specify the gender with the dropdown list if necessary. The modified data will be updated to the database of the GV-Web Report.
 - **Age:** You can view the age range of the person entered. You can also manually specify the age group with the dropdown list if necessary. The modified data will be updated to the database of the GV-Web Report.
 - **Image Snapshot:** You can view the snapshot of the person entered by clicking the

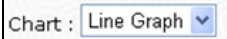


icon.

To back up the search results in EXCEL, WORD or PDF format, click the icons    at the bottom of the Query Result List.

5.4 Query Page

The Query page provides you with the daily, weekly, monthly and yearly face counting graphs and tables. To search the face counting data, select a GV-Smart Box or GV-DVR/NVR/VMS from the **Device** dropdown list or a created group from the **Group** dropdown list, specify a date, and select the following options below. Use the **Chart** dropdown list

 above the graphs to choose to display the data in bar graph, pie graph or line graph.

Note: Pie graph is not available for the following types of data.

- Male Female Count per 60 Minutes
 - Total Male and Female count per 60 Minutes
 - Age range Count per 60 Minutes
 - Total range Count per 60 Minutes.
-

[Daily Report] Display the face counting report of the specified date.

- **Male/Female count per 60 minutes:** The hourly number of males and females entered during the day.
- **Total male and female count per 60 minutes:** The hourly accumulated number of males and females entered during the day.
- **Male and female percentage:** The total number and the percentage of males and females entered during the day.
- **Age range count per 60 minute:** The hourly number of people of each age range entered during the day.
- **Total Age range count per 60 minutes:** The hourly accumulated number of people of each age group entered during the day.
- **Age range percentage:** The total number and the percentage of people of each age range entered during the day.

The following figure is an example of the **Male/Female count per 60 minutes** option. The value 9, 5 indicates the count of males until 9 am is 5.

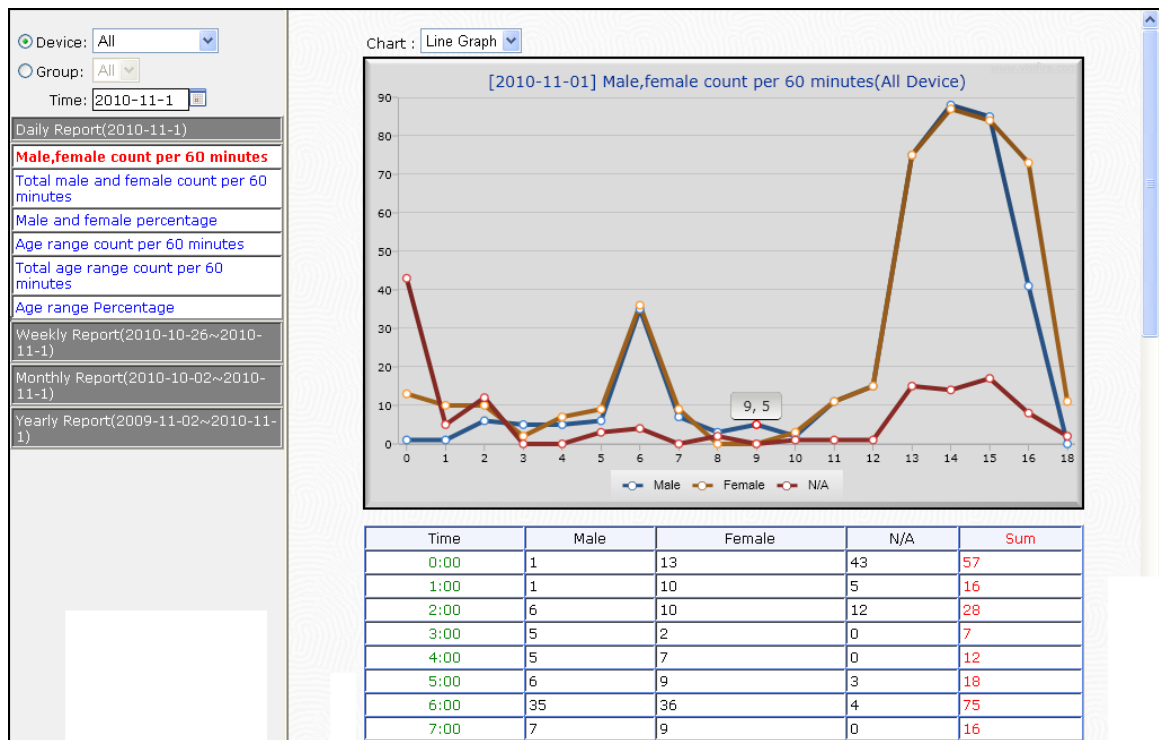


Figure 5-7

[Weekly Report] Display the weekly report that contains the data of 7 days before your specified date.

- **Male count percentage:** The daily number and the percentage of males entered for the week.
- **Female count percentage:** The daily number and the percentage of females entered for the week.
- **Male and female percentage:** The total number and the percentage of males and females entered for the week.
- **Age range percentage:** The total number and the percentage of people of each age range entered for the week.

The following figure is an example of the **Age range percentage** option. The value 30 ~ 35, 321 (32.96%) indicates the number of 30 ~ 35 year-olds entered is 321. 30 ~ 35 year-olds takes up 32.96 percent of all persons entered that week.

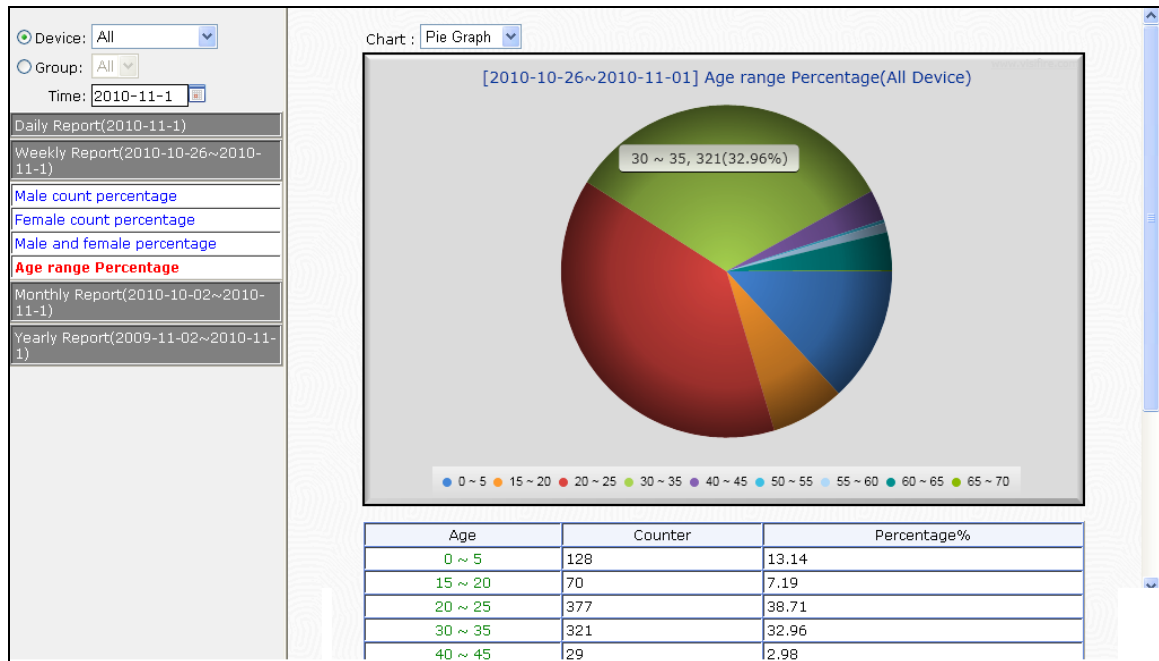


Figure 5-8

[Monthly Report] Display the monthly report that contains the data of a month before your specified date.

- **Male count percentage:** The daily number and the percentage of males entered for the month.
- **Female count percentage:** The daily number and the percentage of females entered for the month.
- **Male and female percentage:** The total number and the percentage of males and females entered for the month.
- **Age range percentage:** The total number and the percentage of persons of each age range entered for the month.

[Yearly Report] Display the yearly report that contains the data of a year before your specified date.

- **Male count percentage:** The monthly number and the percentage of males entered for the year.
- **Female count percentage:** The monthly number and the percentage of females entered for the year.
- **Male and female percentage:** The total number and the percentage of males and females entered for the year.
- **Age range percentage:** The total number and the percentage of people of each age range entered for the year.

5.5 Custom Query Page

The Custom Query page allows you to look up the male or female counting data of different age group during a specific time period. You can customize the X Axis and Y Axis of the line graph.

1. Select GV-DVR/NVR/VMS or GV-Smart Box from the **Device** dropdown list or select a created group from the **Group** dropdown list.
2. Set a **Start Time** and **End Time** to include the counting data during that time period.
3. To include only the data from specific time and days of the week, click **Setting** next to Work Date. This window appears.

Work dateSetting			
☒	(Sun)	06 : 05 ~ 14 : 05	
☒	(Mon)	00 : 00 ~ 24 : 00	
☒	(Tue)	00 : 00 ~ 24 : 00	
☒	(Wed)	00 : 00 ~ 24 : 00	
☒	(Thu)	00 : 00 ~ 24 : 00	
☒	(Fri)	00 : 00 ~ 24 : 00	
☒	(Sat)	00 : 00 ~ 24 : 00	

Submit Cancel Close Window

Figure 5-9

4. Specify the days of week and time range to include and click **Submit**.
5. Select the **Age** groups to include or click **Select All**.
6. You can set the Y Axis of the line graph to the following options:
 - **Male Count:** Shows the average number of male counted.
 - **Female Count:** Shows the average number of female counted.
 - **Total Male Count:** Shows the total number of male counted.
 - **Total Female:** Shows the total number of female counted.
7. You can set the X Axis of the line graph to display the counting data by hour, day, month or year.
8. Click **Query** to see the line graph.

In the example below, **Male Count** is selected for Y Axis and **Per Hour** is selected for X Axis. The value 18, 124 indicates that average number of males counted from 17:00-18:00 pm is 124.

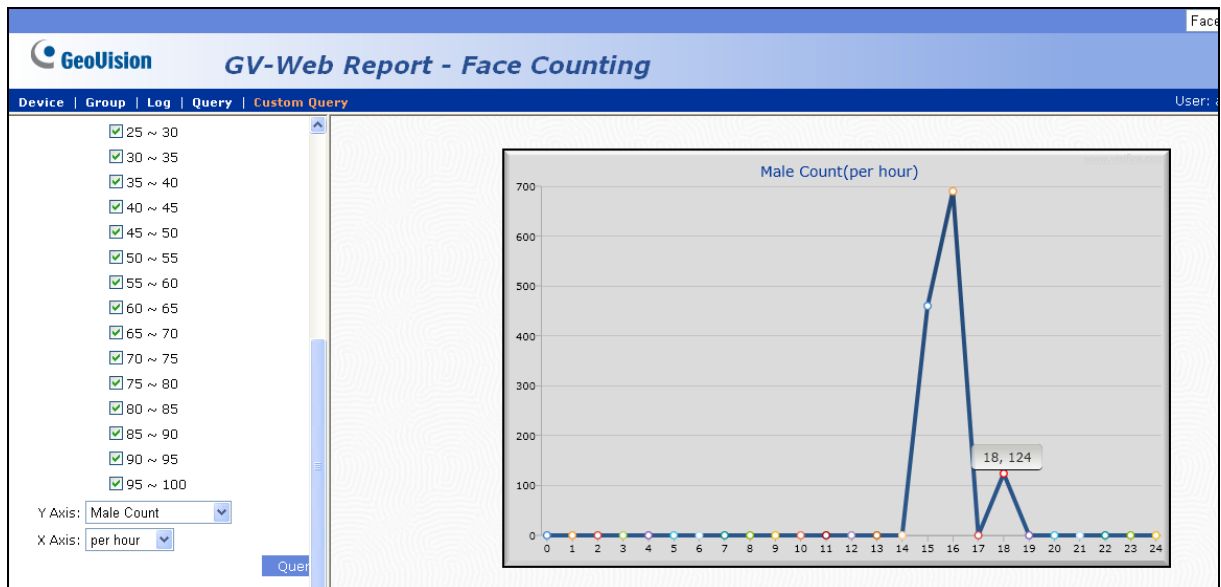


Figure 5-10

Chapter 6 POS Information Page

The **POS Information** page provides statistical data regarding the total and average sales amount, the number of transactions, visitors, conversion and average customer value. The POS data comes from GV-DVR/NVR/VMS.

After logging in the Web interface, click the **POS Information** tab on the upper right corner of the Web page.



Figure 6-1

6.1 Device Page

On the Device page, you can access the POS data of the current day.

Main page	On the main page of the Device page, the POS data of the current day is updated from the GV-Web Report server every minute. See <i>6.1.1 Viewing POS Information Updated Every Minute</i> .
------------------	--

6.1.1 Viewing POS Data Updated Every Minute

The data on the main page of the Device page is updated every minute from the GV-Web Report server. The page displays the sales related statistics and graphs of all connected GV-DVR/NVR/VMS.

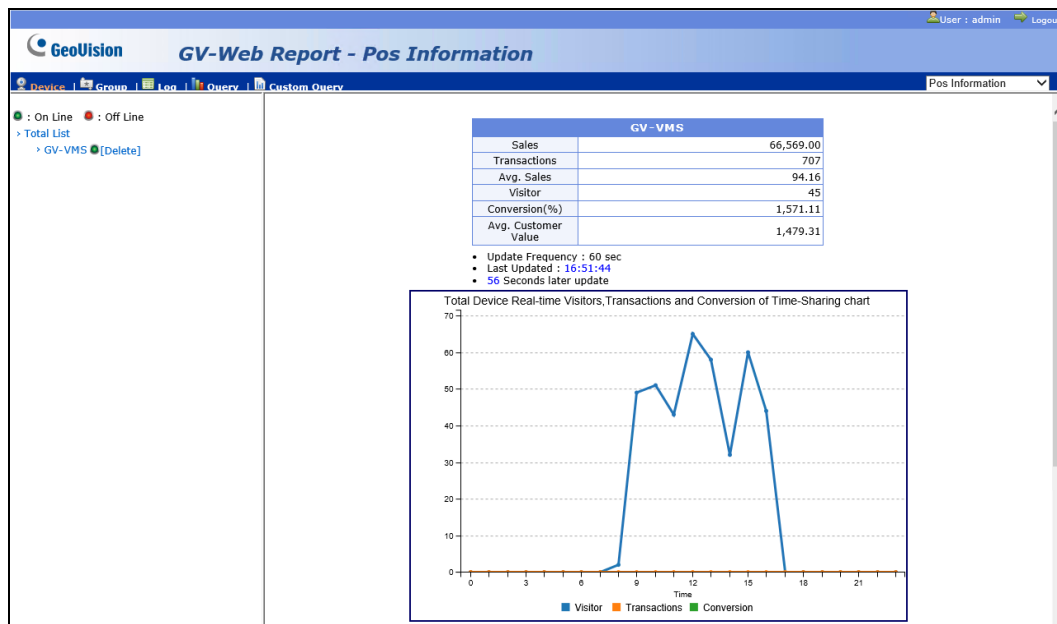


Figure 6-2

The counts on the main page show:

- **Sales:** The sales totals during the day.
- **Transactions:** The number of trading completed during the day.
- **Avg. Sales:** The average sales amount during the day.
- **Visitor:** The number of visitors entered during the day.
- **Conversion(%):** The proportion of visitors to transactions during the day.
- **Avg. Customer Value:** The average transaction amount contributed by each customer during the day.

On the left menu, you can find these options:

- **Total List:** Select one GV-DVR/NVR/VMS host under the list to see the POS data. A green mark indicates that the device is now updating data to the GV-Web Report server; otherwise a red mark appears. On the individual device's page, the POS data of the current day are updated every minute from the GV-Web Report server. To remove a device from the list, click **Delete** next to the device name.
- ⊙ **POS:** Click individual device to see the POS data.

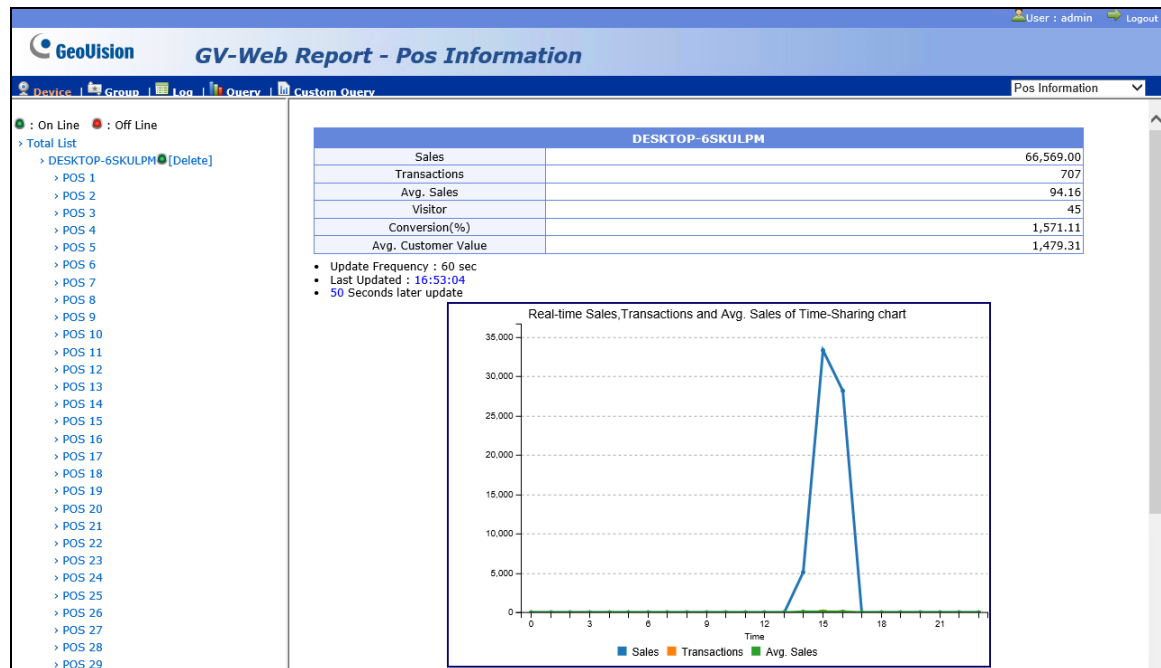


Figure 6-3

6.2 Group Page

On the Group page, you can group different cameras from different GV-DVR/NVR/VMS hosts, and then see the POS data of the set group.

To set up a group:

1. Select **Add Group** from the left menu of the Group page. This page appears.

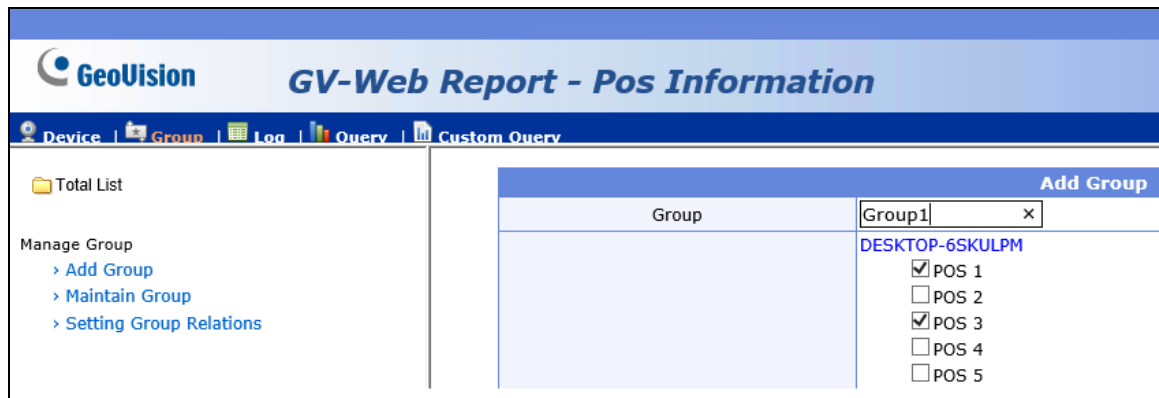


Figure 6-4

2. Name the group.
3. Select the devices that you want to include in the group.
4. Click **Submit**.
5. From **Total List** in the left menu, select the set Group to see the POS data from the selected devices.

On the left menu of the Group page, you can find these options:

- **Total List:** Access the POS data of the set groups updated every minute from the GV-Web Report server.
- **Manage Group:**
 - ⊙ **Add Group:** Select this option to set a group.
 - ⊙ **Maintain Group:** Select this option to modify the group setting or delete a group.
 - ⊙ **Setting Group Relations:** Drag and drop a group under another group to make it a subgroup.

6.3 Log Page

On the Log page, you can view the POS data of a specified time period from GV-DVR/NVR/VMS.

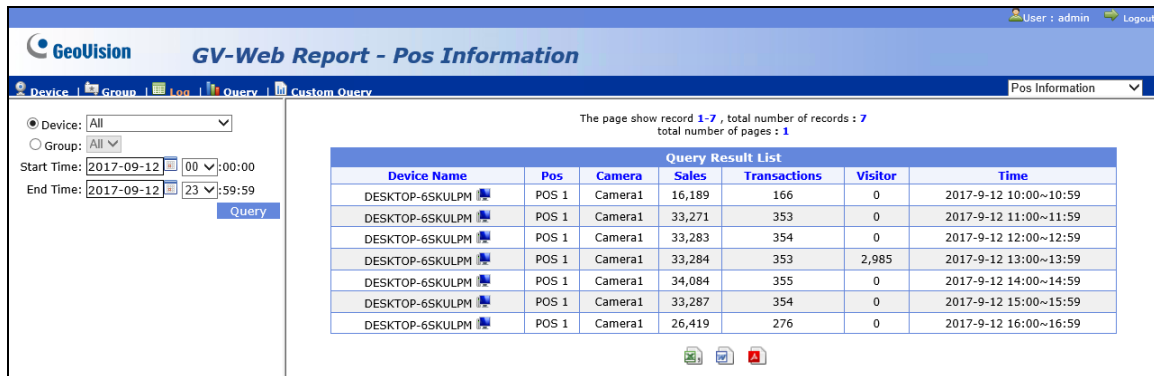


Figure 6-5

To search the log data:

1. Select a specific GV-DVR/NVR/VMS from the **Device** dropdown list or a created group from the **Group** dropdown list.
2. Specify **Start Time** and **End Time** of the log data.
3. Click **Query** to display the search results.

To back up the search results in EXCEL, WORD or PDF format, click the icons    at the bottom of the Query Result List.

6.4 Query Page

The Query page provides you with the daily, weekly, monthly and yearly POS data. To search the POS data, select a GV-DVR/NVR/VMS host from the **Device** dropdown list or a created group from the **Group** dropdown list, specify a date, and select the following options below. Use the **Chart** dropdown list  above the graphs to choose to display the data in bar graph, pie graph or line graph.

Note: Pie graph is not available for the following types of data.

- All Data under Daily Report
 - Avg. Sales / Conversion / Avg. Customer per day under Weekly / Monthly / Yearly Report
-

[Daily Report] Display the POS data report of the specified date.

- **Sales per hour:** The hourly amount of sales during the day.
- **Transactions per hour:** The hourly accumulated number of trading completed during the day.
- **Avg. Sales per hour:** The hourly average sales amount during the day.
- **Visitors per hour:** The hourly number of visitors entered during the day.
- **Conversion per hour:** The hourly accumulated proportions of visitors to transactions during the day.
- **Avg. Customer Value per hour:** The average transaction amount contributed by each customer per hour during the day.

The following figure is an example of the **Sales per hour** option. The value 14, 19,672 indicates the amount of sales at 14 pm is 19,672.

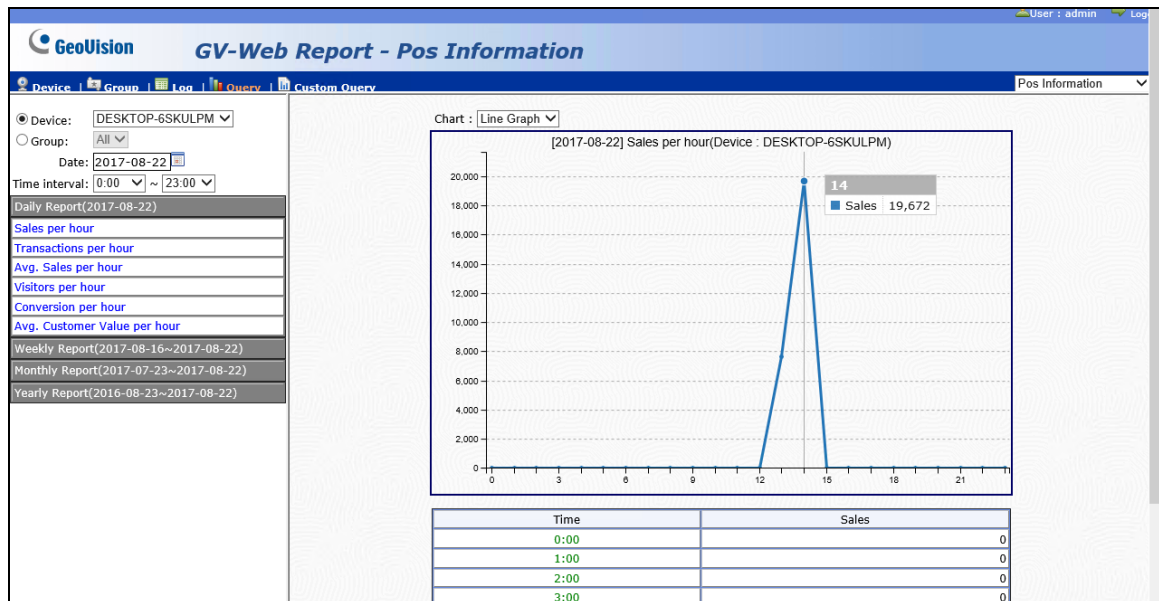


Figure 6-6

[Weekly Report] Display the weekly report that contains the data of 7 days before your specified date.

- **Sales per day:** The daily sales totals for the week.
- **Transactions per day:** The accumulated number of trading completed daily for the week.
- **Avg. Sales per day:** The daily average sales amount for the week.
- **Visitors per day:** The number of visitors entered daily for the week.
- **Conversion per day:** The accumulated proportions of visitors to transactions each day for the week.
- **Avg. Customer Value per day:** The average transaction amount contributed by each customer per day for the week.

The following figure is an example of the **Visitors per day** option. The value 2017-09-12 (Tue), 61.99% indicates that 3522 visitors takes up 61.99% percent of all persons entered that week.

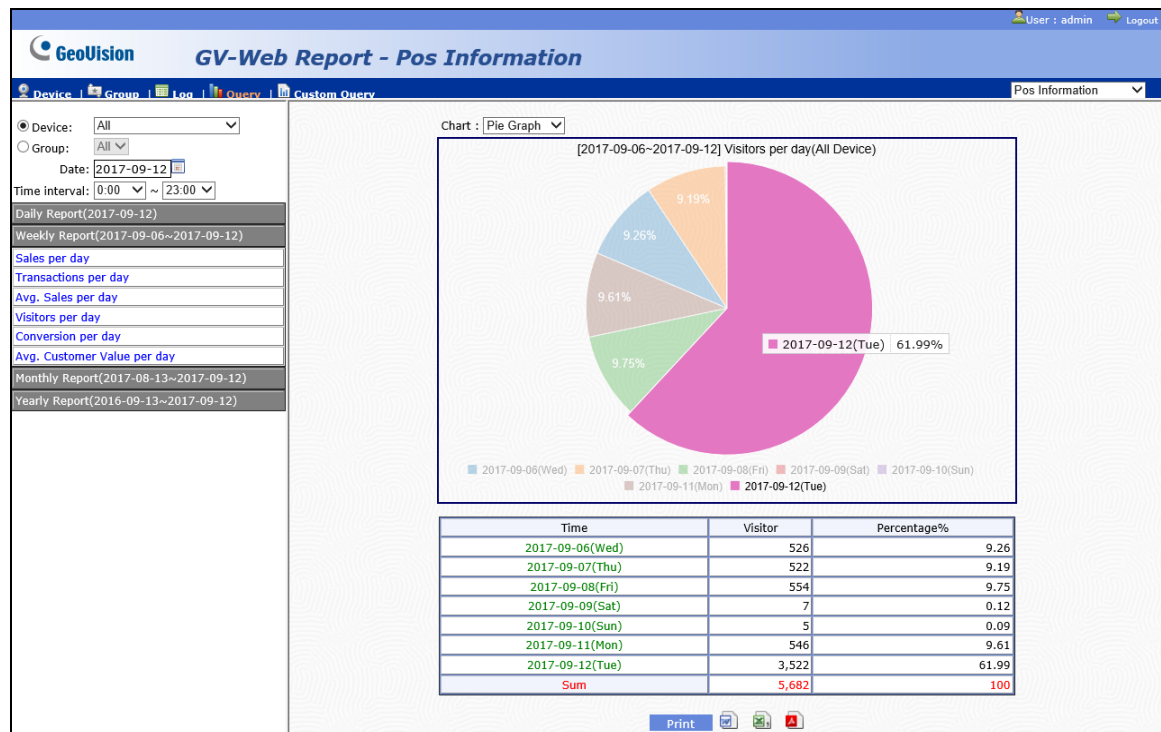


Figure 6-7

[Monthly Report] Display the monthly report that contains the data of a month before your specified date.

- **Sales per day:** The daily sales totals for the month.
- **Transactions per day:** The accumulated number of trading completed daily for the month.
- **Avg. Sales per day:** The daily average sales amount for the month.
- **Visitors per day:** The number of visitors entered daily for the month.
- **Conversion per day:** The accumulated proportions of visitors to transactions each day for the month.
- **Avg. Customer Value per day:** The average transaction amount contributed by each customer per day for the month.

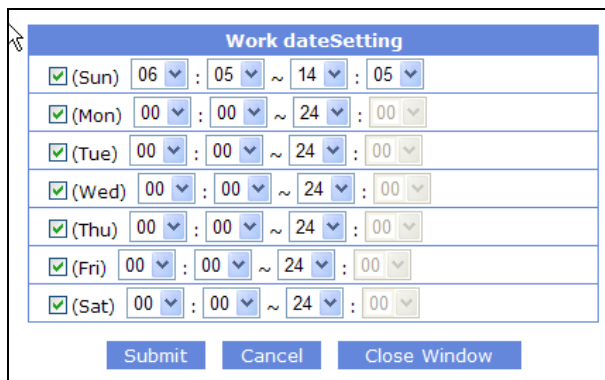
[Yearly Report] Display the yearly report that contains the data of a year before your specified date.

- **Sales per day:** The daily sales totals for the year.
- **Transactions per day:** The accumulated number of trading completed daily for the year.
- **Avg. Sales per day:** The daily average sales amount for the year.
- **Visitors per day:** The number of visitors entered daily for the year.
- **Conversion per day:** The accumulated proportions of visitors to transactions each day for the year.
- **Avg. Customer Value per day:** The average transaction amount contributed by each customer per day for the year.

6.5 Custom Query Page

The Custom Query page allows you to look up the POS data during a specific time period. You can customize the X Axis and Y Axis of the line graph.

1. Select GV-DVR/NVR/VMS from the **Device** check list or select a created group from the **Group** check list.
2. Click  to select a **Start Time** and **End Time** to include the POS data during that time period.
3. To include only the data from specific time and days of the week, click **Setting** next to Work Date. This window appears.



The 'Work dateSetting' window displays a table for selecting days of the week and time ranges. Each row represents a day from Sunday to Saturday. Each row contains a checked checkbox, the day name, and two time range selectors. The first selector shows '06 : 05 ~ 14 : 05' and the second shows '00 : 00 ~ 24 : 00'. At the bottom are three buttons: 'Submit', 'Cancel', and 'Close Window'.

Day	Start Time	End Time
☒ (Sun)	06 : 05 ~ 14 : 05	00 : 00 ~ 24 : 00
☒ (Mon)	00 : 00 ~ 24 : 00	00 : 00 ~ 24 : 00
☒ (Tue)	00 : 00 ~ 24 : 00	00 : 00 ~ 24 : 00
☒ (Wed)	00 : 00 ~ 24 : 00	00 : 00 ~ 24 : 00
☒ (Thu)	00 : 00 ~ 24 : 00	00 : 00 ~ 24 : 00
☒ (Fri)	00 : 00 ~ 24 : 00	00 : 00 ~ 24 : 00
☒ (Sat)	00 : 00 ~ 24 : 00	00 : 00 ~ 24 : 00

Buttons: Submit, Cancel, Close Window

Figure 6-8

4. Specify the days of week and time range to include and click **Submit**.
5. You can set the Y Axis of the line graph to the following options:
 - **Sales:** Shows the amount of sales.
 - **Transactions:** Shows the number of trading completed.
 - **Avg. Sales:** Shows the average sales amount.
 - **Visitor:** Shows the total number of visitors.
 - **Conversion:** Shows the total proportion of visitors to transactions.
 - **Avg. Customer Value:** Shows the average transaction amount contributed by each customer.
6. You can set the X Axis of the line graph to display the POS data by hour, day, month or year.
7. Click **Query** to see the line graph.

In the example below, **Sales** is selected for Y Axis and **Per Hour** is selected for X Axis. The value 53,791 indicates the accumulative total of sales between 13:00 - 15:00 pm is 53,791 during 2017/8/9 – 2017/8/22.

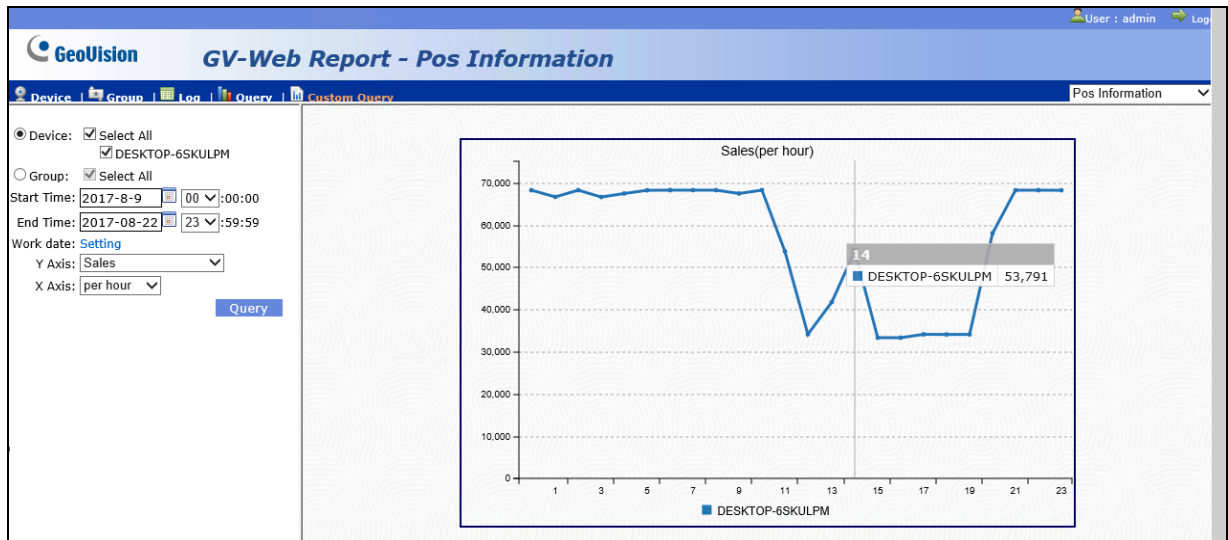


Figure 6-9

Chapter 7 Heat Map Information Page

The **Heat Map Information** page provides the visualized traffic data about level of motion intensity detected in the surveillance area. This allows you to see where people are inclined to go and stay in that area. The heat map images come from GV-VMS.

After logging in the Web interface, click the **Heat Map Information** tab on the upper right corner of the Web page.



Figure 7-1

Here, you can look up the visualized traffic data captured by different cameras during a specific time period.

1. Select the GV-VMS host from the **Device** dropdown list.
2. Click  to select a **Start Time** and **End Time** to include the traffic data during that time period.

3. To include only the data from specific time and days of the week, click **Setting** next to Work Date. This window appears.

Work dateSetting				
☒ (Sun)	06	:	05	~ 14 : 05
☒ (Mon)	00	:	00	~ 24 : 00
☒ (Tue)	00	:	00	~ 24 : 00
☒ (Wed)	00	:	00	~ 24 : 00
☒ (Thu)	00	:	00	~ 24 : 00
☒ (Fri)	00	:	00	~ 24 : 00
☒ (Sat)	00	:	00	~ 24 : 00

Submit Cancel Close Window

Figure 7-2

4. Specify the days of week and time range to include and click **Submit**.
5. You can set the color scheme to the following options:
- **Full-spectral color progression:** Select to see the heat map results in full color.
 - **Single hue progressions:** Select to see the heat map results in single color.

In the example below, **Camera 7** is selected while the **Color Scheme** is set as **Full-spectral color progression**. The hue indicates the motion intensity from 2017-10-12 00:00:00 pm to 2017-10-12 23:59:59 pm in the surveillance area. Redder hue indicates higher motion intensity. Bluer hue indicates less motion intensity.



Figure 7-3*

Chapter 8 Object Size Counting Page

The **Object Size Counting** page provides counting data of vehicles that entered the surveillance area sorted by different object sizes. The counting data can be acquired from GV-Smart Boxes.

After logging in the Web interface, click the **Object Size Counting** tab on the upper right corner of the Web page.



Figure 8-1

Note: Chapter 8 Object Size Counting Page pertains to GV-Smart Box, which is no longer supported.

8.1 Device Page

On the Device page, you can access object size counts of the day and watch live view from a GV-Smart Box.

Main page	On the main page of the Device page, the object size counts of the current day are updated from the GV-Web Report server every minute. See <i>6.1.1 Viewing Object Size Counts Updated Every Minute</i> .
Live View Window	On the Live View window, you can view live video from a GV-Smart Box. See <i>6.1.2 Viewing Live Video</i> .

8.1.1 Viewing Object Size Counts Updated Every Minute

The data on the main page of the Device page is updated every minute from the GV-Web Report server. The page displays the object size counts and graphs of all connected GV-Smart Boxes.

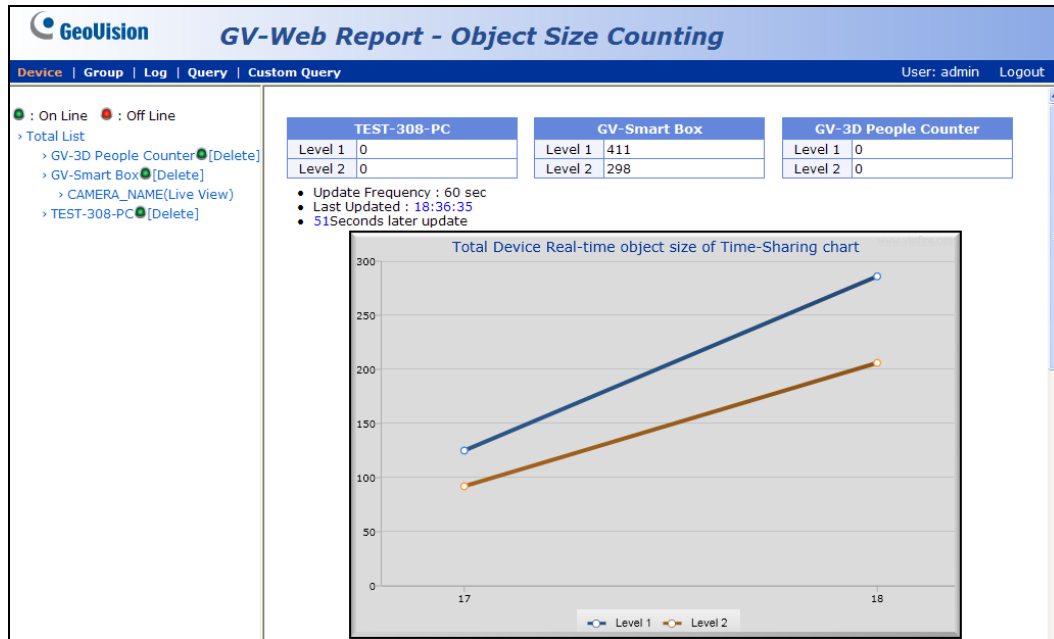


Figure 8-2

The table on the main page shows the number of objects counted for each size level. Three graphs are available.

- **Real-time object size:** The hourly number of objects from different size levels counted on that day is shown in a line graph.
- **Real-time total object size (All Device):** The accumulated number counts from different size levels for all connected device are shown during the day in a line graph.
- **Real-time total object size (Each Device):** The daily accumulated object counts of different size levels from each device are shown in a bar graph.

On the left menu, you can find these options:

- **Total List:** Select one GV-Smart Box under the list to see its individual object size counts. The green mark indicates that the device is now updating data to the GV-Web Report server; otherwise a red mark appears. The object size counts of the current day are updated every minute from the GV-Web Report server. To remove a device from the list, click **Delete** next to the device name.

- ⦿ **Camera:** Access the live video if remote access is enabled on both the device and GV-Web Report server. See 6.1.2 *Viewing Live Video*.

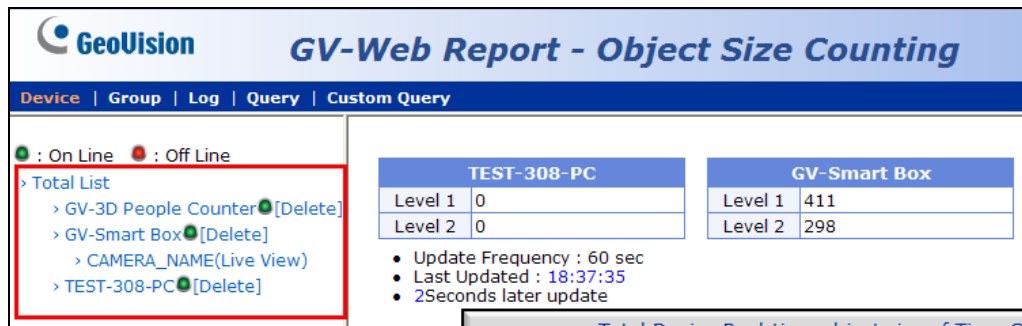


Figure 8-3

8.1.2 Viewing Live Video

To access live video, select the desired camera from the left menu of the Device page. Make sure remote access to GV-Smart Boxes has been enabled on the GV-Web Report. See 3.7.3 *Remote Access Settings* for details on how to allow remote access.



Figure 8-4

By clicking the  icon on the Live View window, you can view the live video from the GV-Smart Box.

8.2 Group Page

On the Group page, you can group different cameras from GV-Smart Boxes, and see the object size counts of the set group.

To set up a group:

1. Select **Add Group** from the left menu of the Group page. This page appears.

Figure 8-5

2. Name the group.
3. Select the cameras that you want to include in the group.
4. Click **Submit**.
5. From **Total List** in the left menu, select the set Group to see the sum of every object size count from those selected cameras.

On the left menu of the Group page, you can find these options:

- **Total List:** Access the object size counts of the set groups updated every minute from the GV-Web Report server.
- **Manage Group:**
 - ⊙ **Add Group:** Select this option to set a group.
 - ⊙ **Maintain Group:** Select this option to modify the group settings or delete a group.
 - ⊙ **Setting Group Relations:** Drag and drop a group under another group to make it a subgroup.

- **Maintain Object Size Name:** Modify the display names for 6 different object sizes defined for Traffic Counter in the GV-Smart Box.

Maintain object size name	
Object size level	Name
1	Bus
2	Bicycle
3	Truck
4	Motorcycle
5	Vehicle
6	Level 6

Figure 8-6

8.3 Log Page

On the Log page, you can view the counting records according to different object sizes during a specified time period from GV-Smart Boxes.

The page shows record 1-5, total number of records : 5
total number of pages : 1

Device Name	Camera	Object size level	Direction	Color	Start Time	End Time
GV-Smart Box	CAMERA_NAME	motorcycle	Out	Red	2012-02-06 15:12:56	2012-02-06 15:12:56
GV-Smart Box	CAMERA_NAME	motorcycle	Out	Red	2012-02-06 15:12:56	2012-02-06 15:12:56
GV-Smart Box	CAMERA_NAME	motorcycle	Out	Red	2012-02-06 15:12:56	2012-02-06 15:12:56
GV-Smart Box	CAMERA_NAME	Car	In	White	2012-02-06 15:12:58	2012-02-06 15:12:58
GV-Smart Box	CAMERA_NAME	Car	In	White	2012-02-06 15:12:58	2012-02-06 15:12:58

Figure 8-7

To search the log data:

1. Select a specific GV-Smart Box from the **Device** dropdown list or a created group from the **Group** dropdown list.
2. Specify the **Direction** to see the counting results of objects moving In or Out.
3. Specify **Start Time** and **End Time** of the log data.
4. Specify the **Color** of the log data.
5. You can select whether to search the DST (Daylight Saving Time) data. **Select All** indicates searching all data including DST data, **Y** indicates searching only DST data and **N** indicates not searching DST data.
6. Click **Query** to display the search results.
 - **Object Size Level:** You can view the size level of the object detected. You can define up to 6 object size levels in the GV-Smart Box and label the different object size levels under the Group Page. See *Figure 6-6*.
 - **Direction:** You can see whether the object is moving toward the In or Out direction defined in the GV-Smart Box.

To back up the search results in EXCEL, WORD or PDF format, click the icons    at the bottom of the Query Result List.

8.4 Query Page

The Query page provides you with the daily, weekly, monthly and yearly object size counting graphs and tables. To search the object size counting data, select a GV-Smart Box from the **Device** dropdown list or a created group from the **Group** dropdown list, specify a date, and select the following options below. Use the **Chart** dropdown list Chart : Line Graph above the graphs to choose to display the data in bar graph, pie graph or line graph.

Note: Pie graph is not available for the following types of data.

- Object size count per 60 minutes
- Total object size count per 60 minutes

[Daily Report] Display the object size counting report of the specified date.

- **Object size count per 60 minutes:** The number of objects from each object size level counted per hour.
- **Total object size count per 60 minutes:** The accumulated number of objects from each object size level counted per hour.
- **Object size percentage:** The total number and the percentage of objects from each object size level counted on that day.

The following figure is an example of the **Object size count per 60 minutes** option. The value 20, 6478 indicates the number of cars counted from 19:00-20:00 pm is 6478.

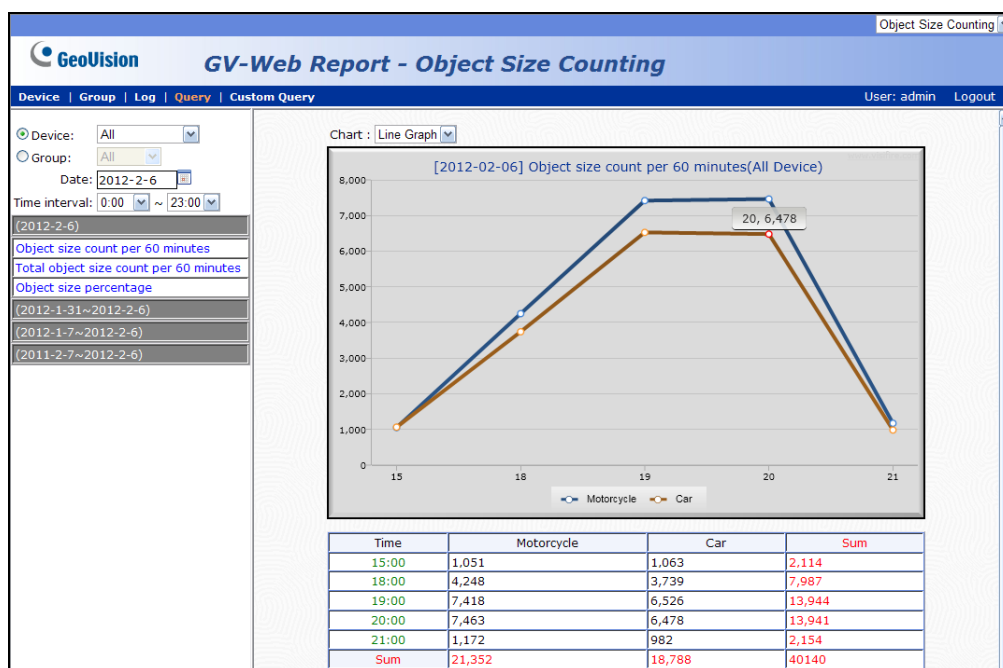


Figure 8-8

[Weekly Report] Display the weekly report that contains data of the 7 days before your specified date.

- **Object size percentage:** The daily number and the percentage of objects from each object size level counted for the week.

Below is an example of the weekly **Object size percentage**. The value Motorcycle, 1,176 (2.84%) indicates that the number of objects from the Motorcycle size level counted is 1,176 for that week. Motorcycles takes up 2.84 percent of all traffic counted that week.

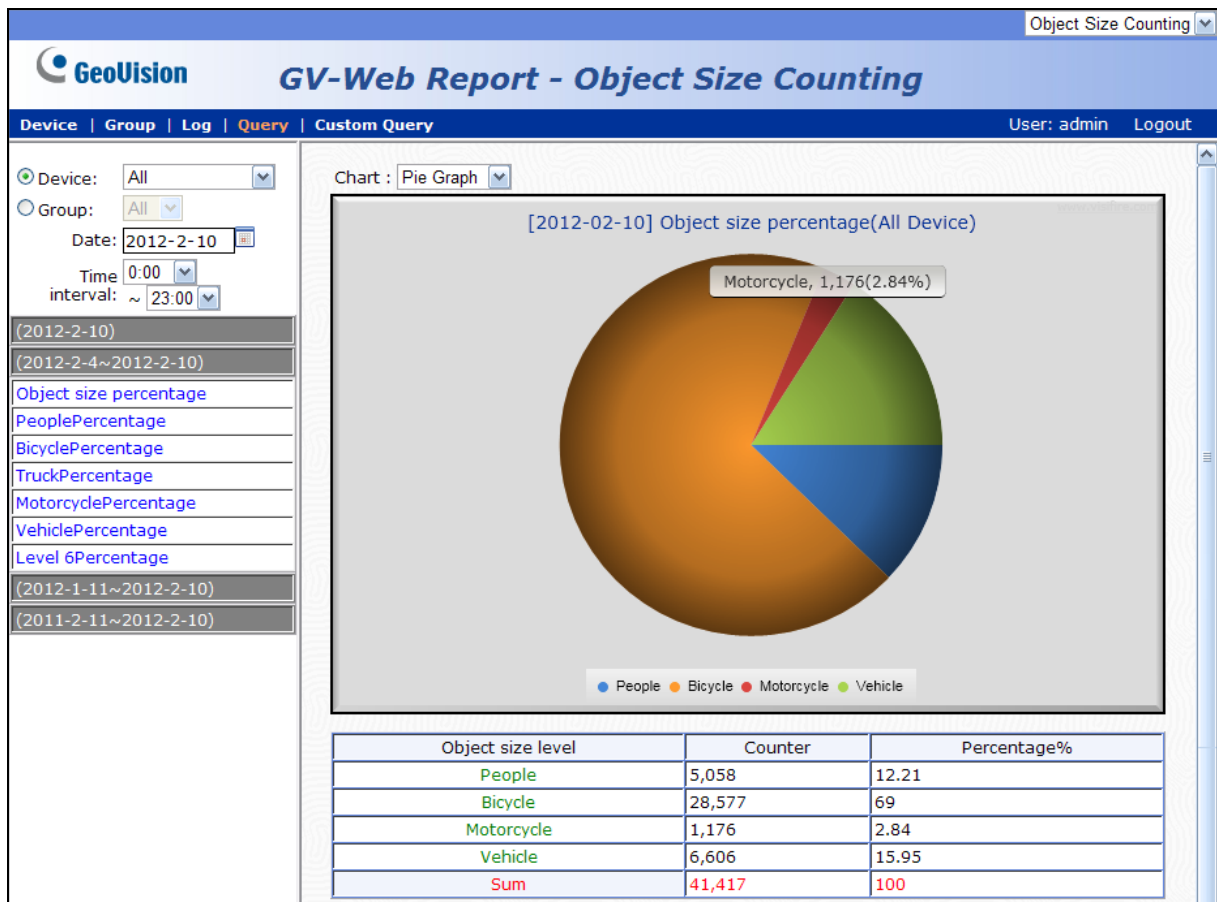


Figure 8-9

[Monthly Report] Display the monthly report that contains the data of a month before your specified date.

- **Object size percentage:** The total number and the percentage of objects from each object size level counted for the month.

Below is an example of the monthly **Car percentage**. Object size level 2 defined in GV-Smart Box was renamed to Car in the Group page. The value 12-02-06(Mon), 18,788 (96.95%) indicates that the number of objects from the Car size level counted is 18,788 on 2012/02/06 and it takes up 96.95 percent of all traffic counted that month.

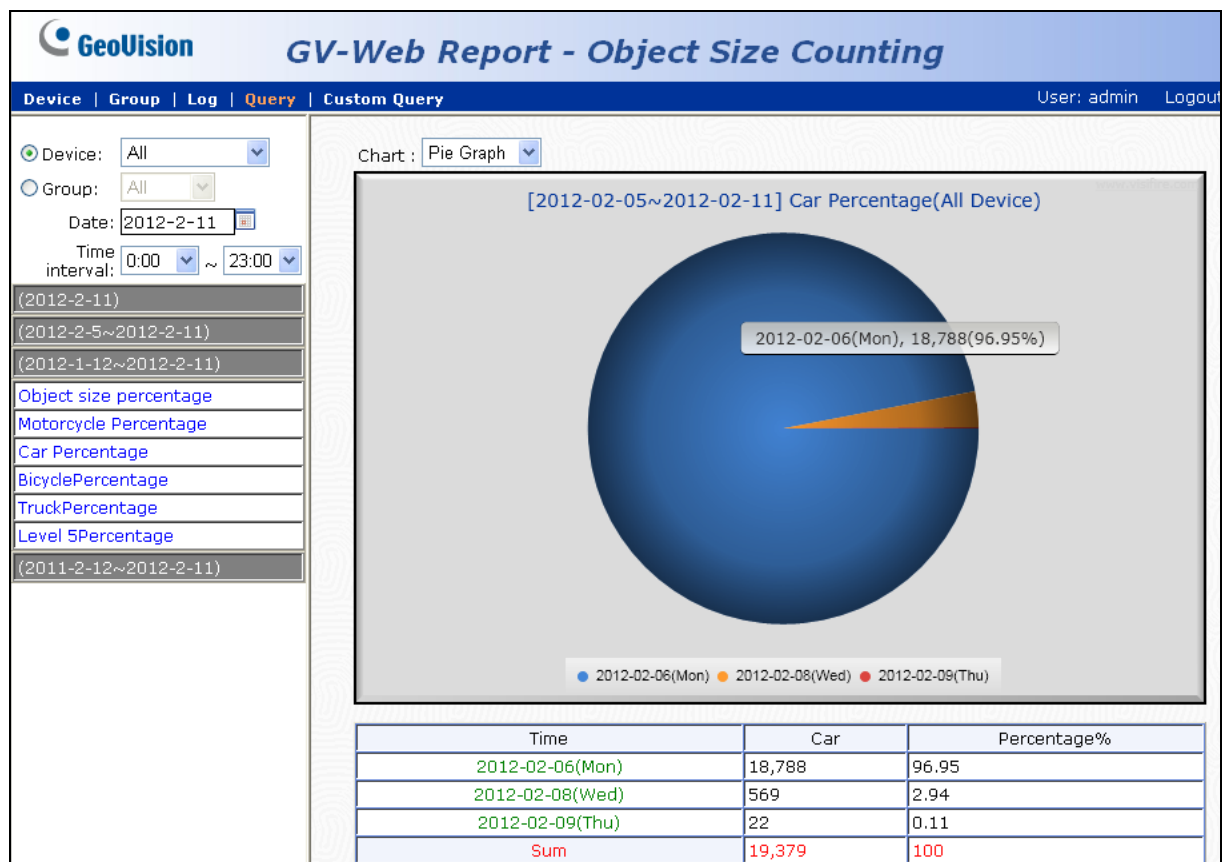


Figure 8-10

[Yearly Report] Display the yearly report that contains the data of a year before your specified date.

- **Object size percentage:** The monthly number and the percentage of objects from each object size level counted.

8.5 Custom Query Page

The Custom Query page allows you to look up the object counting data of different size levels during a specific time period. You can customize the X Axis and Y Axis of the line graph.

1. Select a GV-Smart Box from the **Device** check list or select a created group from the **Group** check list.
2. Set a **Start Time** and **End Time** to include the counting data during that time period.
3. To include only the data from specific time and days of the week, click **Setting** next to Work Date. This window appears.

Work dateSetting			
☒	(Sun)	06 : 05 ~ 14 : 05	
☒	(Mon)	00 : 00 ~ 24 : 00	
☒	(Tue)	00 : 00 ~ 24 : 00	
☒	(Wed)	00 : 00 ~ 24 : 00	
☒	(Thu)	00 : 00 ~ 24 : 00	
☒	(Fri)	00 : 00 ~ 24 : 00	
☒	(Sat)	00 : 00 ~ 24 : 00	

Submit Cancel Close Window

Figure 8-11

4. Specify the days of week and time range to include and click **Submit**.
5. You can set the Y Axis of the line graph to the following options:
 - **Level 1-6:** Shows the number of objects from that size level counted. If you have customized the name of the size level in the Group page, the modified name will be displayed here.
6. You can set the X Axis to the line graph to display the counting data by hour, day, month or year.
7. Click **Query** to see the line graph.

In the example below, the average hourly motorcycle count from 2/2 to 2/8 is shown in a line graph. The value 18, 4248 indicates that between 2/2 and 2/8, the average number of motorcycles counted from 17:00-18:00 pm is 4248.

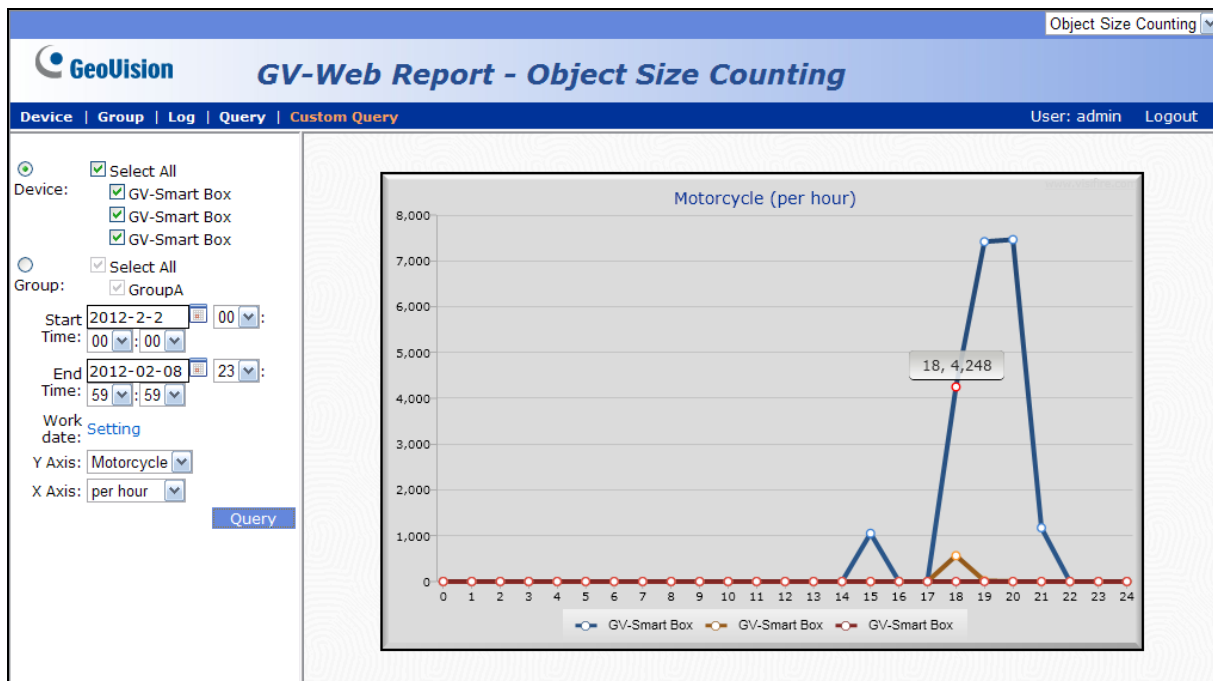


Figure 8-12

Chapter 9 Mobile Phone Connection

Using an iPhone, iPad, or any Android-based mobile device, users can access people counting and face counting results directly on their mobile phones. After logging in via the mobile browser, you can query historical data and view charts and reports.

This enables convenient, on-the-go monitoring from anywhere with internet access.

1. On your mobile device, type the IP address of the GV-Web Report server in the address field of the browser. The login dialog box appears.

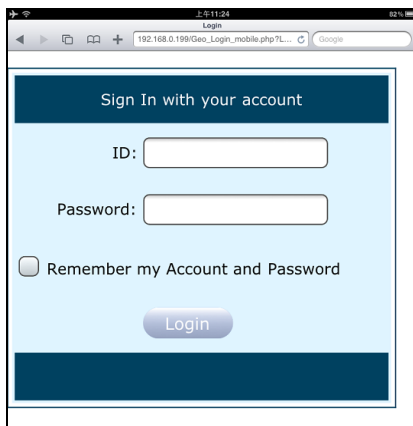


Figure 9-1

2. Type the account ID and password.
3. Click **Login**. The People Counting results for that day appear.

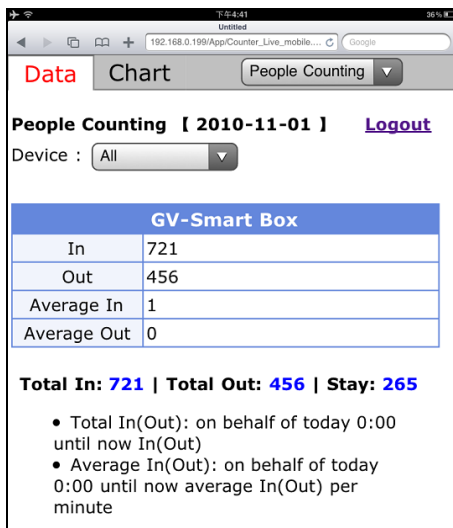


Figure 9-2

4. To see the data of other devices, tap the **Device** dropdown list.
5. To see graphs of the results, tap the **Chart** tab on the top. This window appears.

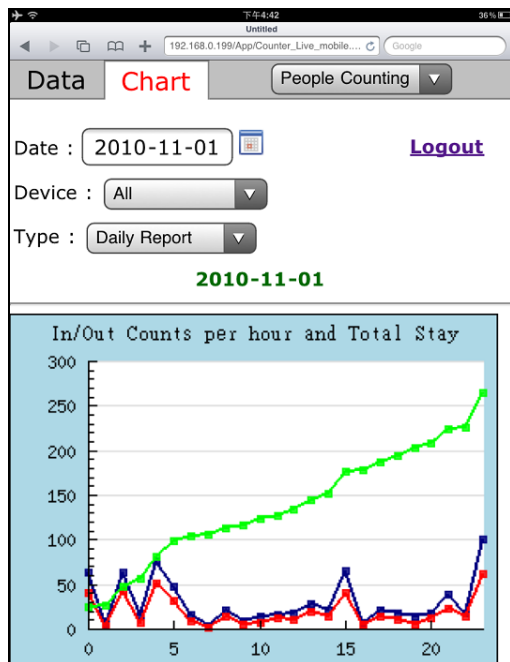


Figure 9-3

6. Tap the **Date** dropdown list to select a date and tap the **Device** dropdown list to select a device.
7. Use the Type dropdown list to display the results of that day, week, month or year.
8. To switch to Face Counting results, tap the **People Counting** button on the top-right corner and select **Face Counting**. The Face Counting results for that day appear.

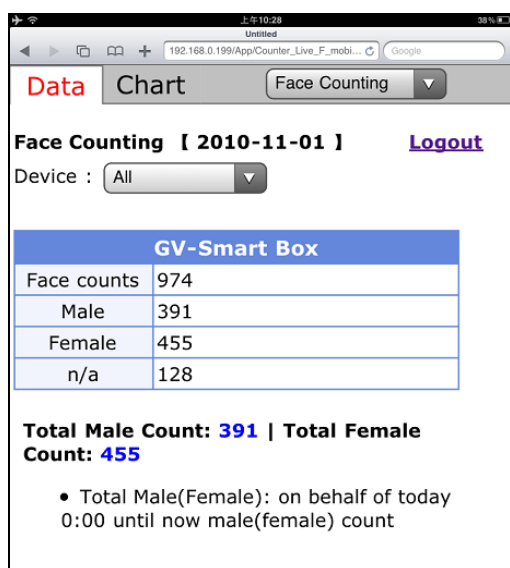


Figure 9-4

9. To see the data of other devices, tap the **Device** dropdown list.

10. To see graphs of the results, tap the **Chart** tab on the top. This window appears.

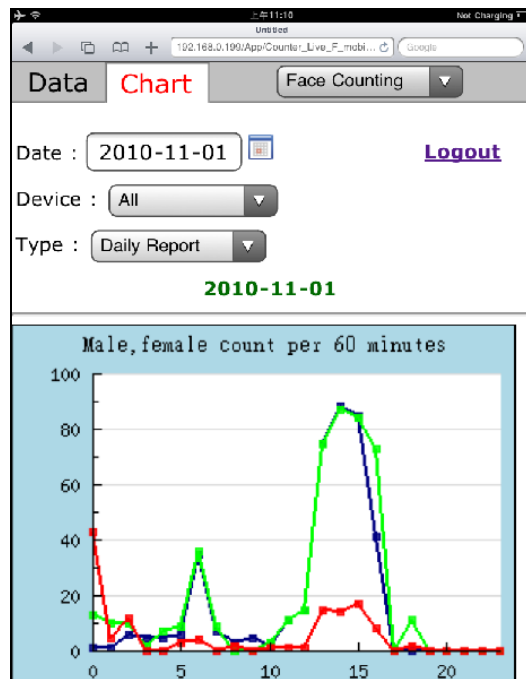


Figure 9-5

11. Tap the **Date** dropdown list to select a date and tap the **Device** dropdown list to select a device.

12. Use the **Type** dropdown list to display the results of that day, week, month or year.

Appendix

Modifying Port Number for running GV-Web Report on the same computer with GV-DVR/NVR/VMS

Since the **GV-Web Report** server and the **WebCam Server** of GV-DVR/NVR/VMS share the same HTTP port number of 80 to connect to the Web, it is required to modify the port number of either GV-Web Report or WebCam Server if both of them are running on the same computer. If not, the following message will appear and you cannot access the Web interface of the GV-Web Report server:

Starting Web Server Failed

To modify the HTTP port number of GV-Web Report:

1. Click **Tools** from the menu bar and select **General Setting**.
2. In the Web Server section, change the default Listen Port of 80 to a different port number within the range of 1024 to 65535.
3. Click **Apply**.