

GV-Web Report

User's Manual V2.1.1





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Naming and Definition

GV-System	GeoVision analog and digital video recording software. In most of documents, the GV-System 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 Gender and Age Recognition functions. Through the web browser, the GV-Smart Box delivers live view, face snapshots and gender/age analysis.	

Chapter 1 Introduction

The GV-Web Report is designed to integrate and analyze the people counting and face counting data from GV-Systems and GV-Smart Boxes, as well as gender and age recognition results from GV-Smart Boxes. Suitable for large-scale video surveillance deployments, it can receive the data from up to 1000 units of GV-Systems and GV-Smart Boxes.

Through the Web interface of GV-Web Report, you can access the reports and graphs of real-time, hourly, daily, monthly and yearly statistics on people traffic and gender and age distribution. You can also view the live video and the recordings from multiple locations.



Figure 1-1

Features

- Support for up to 1000 units of GV-Systems and GV-Smart Boxes
- People traffic monitoring
- Real-time, daily, monthly, yearly counting reports and graphs
- E-mail notification and I/O trigger when the number of people remaining exceeds the specified maximum
- Counting results query from iPhone, iPad and other Android-based mobile devices

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- Analysis of gender and age distribution
- Grouping function to combine desired devices' cameras for data analysis
- Remote playback of recordings from GV-Systems
- Face counting results and snapshots from GV-Systems and GV-Smart Boxes

1.1 Minimum System Requirements

The following are minimum system requirements for the server to run **GV-Web Report**, and for the GV-System to run **dbSync 2** in order to connect to GV-Web Report.

GV-System

GV-System	V8.3.2 or later	
Software	.Net Framework 3.5 dbSync2	
Note: .Net Framework and dbSync2 can be found in the accompanying software CD.		

GV-Web Report

OS	Windows XP, Vista, Windows 7, Server 2003, Server 2008		
Software	.Net Framework 3.5		
Browser Internet Explorer 7.0 or later			
Hardware External or Internal GV-USB Dongle			
Note:			
1Net Framework can be found in the accompanying software CD.			

2. GV-USB Dongle for 200, 500 and 1000 clients are available upon purchase. Note that if multiple GV-USB Dongles are inserted, the dongle that supports greater number of clients will be used.

Chapter 2 Installation

2.1 Installing the GV-Web Report

The GV-Web Report program may be installed on a separate computer or the same computer with the GV-System, but it is recommended to install on a dedicated computer.

Before installing the GV-Web Report, you need to install the **USB dongle driver** and **.Net Framework** first. Follow the steps below to install the programs.

1. Insert Software CD to the computer. This window pops up automatically.



Figure 2-1

- 2. To install USB driver, select Install or Remove GeoVision GV-Series Driver and click Install GeoVision USB Devices Driver to start.
- 3. To install .Net Framework, select Install Microsoft. NET Framework 3.5 to start.
- 4. To install **GV-Web Report**, select **Install GeoVision V2.1.1.0 GV-Web Report System** and click **GeoVision GV-Web Report System** to start.

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2.2 Installing dbSync2 on the GV-System

To send people counting data from GV-System to GV-Web Report, it is required to install the **dbSync2** program on the GV-System. Follow the steps below to install the program.

- 1. Insert Software CD to the computer. The **Install Program** window (Figure 2-1) pops up automatically.
- 2. To install .Net Framework, select Install Microsoft. NET Framework 3.5 (Not compatible with Windows 2000) to start.
- 3. To install **dySync2**, select **Install GeoVision V2.1.1.0 GV-Web Report System** and click **dySync2** to start.

Chapter 3 Getting Started

The GV-Web Report server is a dedicated computer on a network that analyzes the people and face counts from GV-Systems and GV-Smart Boxes, as well as gender and age recognition results from GV-Smart Boxes. The GV-Web Report server enables you to access the analysis data anywhere through a web browser.

3.1 Starting the GV-Web Report

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

- 1. Run **GV-Web Report** (from Windows Start menu or from the desktop). For the first-time user, you will be prompted to enter a password. The default ID (account) is **admin**.
- 2. On the GV-Web Report window, click **Service** from the menu bar and select **Data Service** to start receiving data from connected GV-Systems and GV-Smart Boxes.

3.2 Connecting GV-System to GV-Web Report

To send people counting results from a GV-System to the GV-Web Report server, you need to run the dbSync2 program on the computer of GV-System. To send face counting results from GV-Systems to the GV-Web Report, use the Face Count function of the GV-System.

Note: To send face counting results from GV-Systems to GV-Web Report, an AVP dongle is required and the GV-System must be of version 8.4.0.0 or later.



3.2.1 Sending People Counting Results

1. Run **dbSync2** (from Windows Start menu or from the desktop). This dialog box appears.

🔜 dbSync2			
Synchronization time:			
🗹 Daily Sync. Time			
Time	12:00:00		
🔽 Update Interval			Sync
Time	5 Minute(s)		
🗹 Run at Startup			
Setting	Batch	ок	Exit

Figure 3-1

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

Setting		
Sync Configurati	on	
Database Path:	C:\GV-800\Database	Browse
GV-Web Report	Configuration	
IP Address :	192.168.2.58	Test
Port: [30000	
User Name : [admin	
Password :	*****	
⊂DVR Configuratio	on(For remote access) —	
IP Address:	192.168.0.151	
Command Port:	4550	
Data Port:	5550	
Audio Port:	6550	
Viewlog Port:	5552	
User Name :	1	
Password :	*	
		Update OK

Figure 3-2



- In the GV-Web Report Configuration section, enter the IP address, username and password of the GV-Web Report server. Keep the port 30000 or modify it if necessary. The port value must match the port of GV-Web Report server (Figure 3-10). For details on account settings on the GV-Web Report server, see 3.6.2 Account Settings.
- 4. Click **Test** to connect to the GV-Web Report server. If the connection is established, a successful connection message will appear on both the GV-System 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.

5. Since the dbSync2 program only sends the logged counts to the GV-Web Report server, it is required to configure the Update the log every x Min. option in the Counter/Intrusion Alarm Setting on the GV-System. Based on the specified interval in minute, the counts are logged to the GV-System and will be sent to the GV-Web Report server through the dbSync2 program.

Camera Applied as Counter	
Choose Camera (max. 16)	Configure Clear All OK Cancel
☑ Update the Log every: ⊙ 1	Min.
⊂ Ate Show Object U	each Clock Hour

Figure 3-3

To define a specific time to send people counts to the GV-Web Report server, see 3.3 *Configuring the dbSync2 Program on GV-System.*



3.2.2 Sending Face Counting Results

To send face counting results from GV-Systems to GV-Web Report, an AVP dongle is required and the GV-System must be of version 8.4.0.0 or later. Make sure remote access to GV-Systems has been enabled on GV-Web Report. See *3.6.3 Remote Access settings* for details.

- 1. On the GV-System, click the **Configure** button, select **Advanced Video Analysis** and select **Face Count Setting**.
- 2. Select the cameras you would like to configure and click **Configure**. This dialog box appears.



Figure 3-4

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

b Report		
Domain Name or IP		
Address		
Port		
UserName		
Password		
Test	ок	Cancel



- Type the 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 3.6.2 Account Settings.
- 6. Click OK.



3.3 Configuring the dbSync2 Program on GV-System

The dbSync2 program, installed on the computer of GV-System, sends people counts to the GV-Web Report server. It also enables remote access to the GV-System for live video and playback applications.

1. Run **dbSync2**. This dialog box appears.

🖶 dbSync2	
Synchronization time:	
🗹 Daily Sync. Time	
Time 12:00:0	0
🗹 Update Interval	Sync
Time 5	Minute(s)
🔽 Run at Startup	
Setting Batch	OK Exit



- Daily Sync. Time: Specify a time to send the counts 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.
- **Sync:** Click this button to send the counts 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 counts 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.



2. Click the Setting button. This dialog box appears.

🏶 Setting		×
-Sync Configuration	on	
Database Path:	C:\GV-800\Database	Browse
GV-Web Report	Configuration	
IP Address :	192.168.2.58	Test
Port:	30000	
User Name : a	admin	
Password :	*****	
DVR Configuration	n(For remote access)	
IP Address:	192.168.0.151	
Command Port:	4550	
Data Port:	5550	
Audio Port:	6550	
Viewlog Port:	5552	
User Name :	1	
Password :	*	
		Update
		ОК



[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, login username and password. The default port value is 30000. Click **Test** to ensure the connection information is correct.

[DVR Configuration for Remote Access] The configuration allows remote access to the live video and the recordings of GV-System. Before the configuration, enable **WebCam Server** on the GV-System 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-System. Enter the IP address, login username and password of the GV-System. Then click **Update** to send the configuration values to the GV-Web Report server.

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



When people counts are logged to the GV-System, the dbSync2 program will send it to the GV-Web Report server at the specified time or time interval each day. You can not only query counting data, but also view live video and recordings through an IE browser anywhere.



3.4 Connecting GV-Smart Box to GV-Web Report

To send either people counts or face counts and gender and age recognition results 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 7.1 Connecting to GV-Web Report in GV-Smart Box User's Manual.

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

Web Report		
In this section you can configure the connection to Web Report.		
Web Report		
🗹 Enable		
Host name or IP Address	192.168.0.123	
Port Number	30000	
User Name	1	
Password	•	
Apply Export all		
Connection Status		
Status: Connected. Co	nnected Time:Wed Nov 3 11:47:22 2010	

Figure 3-8

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

The **Connection Status** is shown on the bottom of the page to show whether GV-Web Report is connected and the time of connection.

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3.5 The Main Screen of GV-Web Report



Figure 3-9

No	Name	Description
1	Host List	Displays connected hosts.
2	Event List	Displays the connection information.
3	Service	Enables and disables the GV-Web Report services.
		 Data Service: Allows connection to GV-Systems and GV- Smart Boxes.
		Web Service: Accesses to the GV-Web Report's Web Interface. Also allows remote access to live video and recordings of GV-System as well as face snapshots captured from GV-Smart Boxes.
4	Browse	Links to the Web interface of the GV-Web Report.
5	Tools	Accesses the advanced settings. See 3.5 Configuring the GV-Web Report.

3.6 Configuring the GV-Web Report

To access more settings of the GV-Web Report server, click **Tools** (No. 5, Figure 3-9) on the main screen. The following sections describe these advanced settings: General Settings, Account Settings, Remote Access Settings, Database Settings, E-Mail Settings, and UPnP Port Mapping Settings.

3.6.1 General Settings

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

🔅 General Setup)	
Data Server		
Server Name:	TEST151]
Listen Port	30000	
Max Client Limit	100	(Max value is 200)
Auto Start Sen	rice	
Web Server		
Listen Port 80		
Auto Start Sen	rice	
Auto startup aft	er login Windows	
Startup Auto Lo		
		Reset to default
		Apply

Figure 3-10

[Data Server]

- Server Name: Name the GV-Web Report server. The default value is the computer name.
- Listen Port: The default port value of the GV-Web Report server is 30000. The port value must match the GV-Web Report related port on a GV-System (Figure 3-2) and GV-Smart Box (Figure 3-8).
- Max Client Limit: Define the maximum number of GV-Systems and GV-Smart Boxes that can be connected to the GV-Web Report. The maximum value is indicated on the right.
- Auto Start Service: Automatically start connection to GV-Systems 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.

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- Auto Start Service: Automatically start the remote access to GV-Systems and GV-Smart Boxes.
- Auto startup after login Windows: Automatically start the GV-Web Report server after Windows startup.
- Start Auto login: Automatically log into the GV-Web Report server after Windows startup. Click the Arrow button to enter the login account and password.

3.6.2 Account Settings

Using the 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 Web interface of the GV-Web Report. The maximum account number, including supervisor and user accounts, is 100.

2 Account	
Account	User Setting
Users(0)	Account
uladmin Supervisors(1)	admin
	New Password
	Confirm New Password
	Apply
	General Setup GV-Web Report
	Allow Web Login
	Allow Remote Playback
	Allow Live View
	- THEN LIVE THEY
Add Remove	

Figure 3-11

For details on the **Allow Group Setting** option in the GV-Web Report tab, see *4.3 Group Page*.



3.6.3 Remote Access Settings

The Remote Access Settings display the available GV-Systems and GV-Smart Boxes for remote access to their live video, recordings, and face snapshots through the web browser. The asterisk * on the **State** column indicates that the account name and password are required for access to the specific device. To allow remote access to the GV-System or GV-Smart Box, select the device on the list and then enter its login account name and password.

🖶 Remote Access	Setting			
Device				
State Devic	се Туре	Device	IP Address	Account
*		GEOVISIO-77FECD	192.168.2.129	
*		AlexLocalDVR	192.168.0.227	
*		DVR	192.168.2.160	
*		TEST144-DF98DC2 TEST16	192.168.0.226 192.168.0.186	
NVR		TEST88	127.0.0.1	1
<				>
Remote Access Command Port: Video Port: Audio Port: ViewLog Port: Account Password	4550 5550 6550 5552 1 *]	
	Resett	o default Apply		

Figure 3-12



3.6.4 Database Settings

You can modify the storage path of the GV-Web Report's 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.

🔜 Database	
Setting	
Path	I:\Program Files\Geo\
Keep Days	(0: unlimited)
Snapshot Folder:	I:\Program Files\GeoV
🗌 Enable Databas	e Compression (NTFS file system only)
	Apply

Figure 3-13

3.6.5 E-Mail Settings

Using the E-Mail Settings, you can send e-mails to the supervisor when a GV-System or GV-Smart Box is disconnected. You can also send e-mail notifications when the number of people remaining reached the pre-defined maximum. See *4.3 Group Page* on how to set the maximum.

📟 E-Mail Setting	X
E-Mail Setting	
SMTP Server:	
From	
то	
Subject	
	Test E-Mail Account
SMTP Authentication Setting	SMTP Server Setting
SMTP Mail Server requires authentication	SMTP Port 25
Account	SSL SSL
Password	
	OK Cancel

Figure 3-14



3.6.5.1 Setting Mail Server

- 1. Enter URL or IP address of the SMTP server.
- 2. Enter the sender's e-mail address. The entered e-mail will appear as sender when the e-mail is received.
- 3. Enter the recipient's e-mail address. For multiple recipients, add a semicolon between each e-mail address.
- 4. Enter a subject coming with the alert message.
- Click Test E-Mail Account to send out a test e-mail to see whether the setup is correct.
 If the connection attempt fails, you may also need to check the settings of 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 authentication for sending e-mails, select this option and enter the account ID and password of your SMTP.

[SMTP Server Setting]

- **SMTP Port:** Enter the SMTP port value. The default value is 25.
- SSL: If your e-mail server requires an SSL (Secure Sockets Layer) authentication for connection, select this option.

3.6.5.2 Setting E-Mail Alert

When a GV-System 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.

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



Figure 3-15



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

Host Setting	
Notification	
Send E-Mail Notification when disconnected.	
E-Mail Setting	
	OK Cancel

Figure 3-16



3.6.6 UPnP Port Mapping Settings

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

In order for UPnP to be enabled, the following requirements must be met:

- Windows XP Service Pack 2 or later
- Windows operating system has been configured to use UPnP (see *Enabling UPnP in* Windows *XP*, *Appendix*)
- 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.

Port Mapping			
UPnP-based Router			
			~
Searching Configure Exit			
Intel(R) PRO/1000 CT Desktop Connection - Packet Scheduler Min	iport IP[192.168.2	.168]	~
Name	Port	IP Address	NOTE
GV-Web Report Port Web Server Port	30000 8080	192.168.2.168 192.168.2.168	
Web Server Port	8080	192.168.2.168	
<			
20:41:01- No UPnP devices available			
20:41:01- No OPriP devices available 20:40:58- Searching for UPnP enabled routers			

Figure 3-17

- 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 UPnPbased Router drop-down list.
- 4. If you server is installed with more than one network adapter, select a desired one from the drop-down list.
- 5. Click **Configure** to automatically configure the communication ports on the router.

Tip: If you don't use the default ports, modify the related ports in the General Settings dialog box (Figure 3-11), re-open the UPnP Port Mapping dialog box and follow above steps to configure your router.

Chapter 4 Accessing People Counting

Page

After the GV-Web Report Service is started, you can access the counts, graphics and live video on the network. The GV-Web Report is divided into 2 pages, **People Counting** page and **Face Counting** page. This chapter describes in details the functions of the People Counting page.

- **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 from GV-Systems and GV-Smart Boxes.
- 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-Systems and GV-Smart Boxes.

Note: For remote viewing through network, Internet Explorer 7.0 or later is required.

4.1 Accessing People Counts and Graphics

To access people count results through the web browser, ensure that **Web Service** on the GV-Web Report server has been enabled as shown below; otherwise the login through the web browser will fail.



Figure 4-1

- 1. Two methods to access the Web interface of GV-Web Report:
 - A. If you are at the local GV-Web Report server, select **Browse** on the main screen of the GV-Web Report (Figure 3-9) and select **GV-Web Report Data**. The login page appears.

C C C + 127.0.0.1/Geo_Login.php?LANGUAGE	=EN	~
File Edit View Favorites Tools Help		
🚖 Favorites 🛛 🚖 🏉 Suggested Sites 👻 🔊 Free Hotmail	🖉 Web Slice Gallery 👻	
<i>€</i> Login		
	GeoUision	
7	Sign In with your account	
	ID: 1	
	Password: •	
	Enter the characters shown 3168 3168 in the image :	
	Remember my Account and Password	
	Login	
	©2009 GEOVISION INC.ALL RIGHTS RESERVED.	
L		

Figure 4-2

- B. If you are at a remote computer, start the Internet Explorer browser. Enter the IP address or the domain name of GV-Web Report in the Location/Address field of your browser. The login page appears.
- 2. Enter the login ID and Password of the GV-Web Report. The ID and Password should match those of any account set in the Account dialog box (Figure 3-11).
- 3. Enter the characters shown in the image.
- 4. Click **Login**. The Web page similar to the following example is now displayed in your browser.

C http://192.168.0.151/NVR_Counter.php?SYS	TEM=P - Windows Internet Explorer			
🚱 🕤 👻 http://192.168.0.151/NVR_Counter.php	PSYSTEM=P		💌 🐓 🗙 Live Search	P -
File Edit View Favorites Tools Help				Links »
🚖 🎄 🎉 http://192.168.0.151/NVR_Counter.php7SYS	TEM=P		🟠 🔹 🗟 👘 🖶 🕞 Page	• 💮 Tools • "
			>> Face	e Counting
GeoUision GV-Wel	b Report - People Cou	nting		
Device Group Log Query			User:	1 Logout
: On Line				^
> Total List		GV-Smart Box-pp		
> GV-Smart Box-pp	In	0		
Counting Signage	Out	0		
	Average In	0		
	Average Out	0		1
	Total In: 0 Total Out: 0 Stay: 0 • Total In(Out): on behalf of toda • Average In(Out): on behalf of t	ay 0:00 until now In(Out) oday 0:00 until now average In(Out) per minute	 Update Frequency : 60 secon Last Updated : 02:37:55 54Seconds later update 	ds
	1	Total Device Real-time In and Out chart		

Figure 4-3

5. To display the graphs, it is required to download **Microsoft Silverlight** to your computer. Click the link on the page to start downloading the program.

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4.2 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>4.2.1 Viewing the Counts Updated Every Minute</i> .
Counting Signage	On the Counting Signage page, the people counts of the current day is updated from the GV-Web Report server immediately. See <i>4.2.2 Viewing the Current Counts</i> .
Live View Window	On the Live View window, the people counts are updated directly from a GV-System . You can also view live video from a GV-System or GV-Smart Box. See <i>4.2.3 Viewing Live Video</i> .

4.2.1 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-Systems and GV-Smart Boxes.

Device Group Log Query						User: admin	Log
🛿 : On Line 🛛 单 : Total List	GEO	VISIO-77FECD		AlexLocalDVR		DVR	
Total List > GEOVISIO-77FECD		0	In	19,681	In	2,882	
> GEOVISIO-//FECD	Out	0	Out	19,144	Out	2,877	
> DVR	Average In	0	Average In	29	Averag In	^{je} 4	
 TEST144-DF98DC2 TEST16 	Average Out	0	Average Out	28	Averag Out	^{9e} 4	
> TEST88	TES	T144-DF98DC2		TEST16		TEST88	
	In	24,016	In	478,635	In	134	
	Out	23,926	Out	429,528	Out	110	
	Average In	36	Average In	708	Averag In	^{9e} 0	
	Average Out	35	Average Out	635	Averag Out	^{9e} 0	
	• Tota • Ave minute		today 0:00 un lf of today 0:00	til now In(Out)	se in(Out) per • •	Update Frequency : 60 conds Last Updated : 11:16:2 53Seconds later update	

Figure 4-4

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.
- Average In: The average number of people entered every minute during the day.
- Average Out: The average number of people left every minute during the day.

Accessing People Counting Page

- **Total In:** The total number of entered people from multiple devices during the day.
- **Total Out:** The total number of left people from multiple devices during the day.
- Stay: The number of people remaining. That is subtracting the number of Total Out from the number of Total In.

On the left menu, you can find these options:

- 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.
 - **Camera:** Access the live video if remote access is enabled on both the device and GV-Web Report server. See *4.2.3 Viewing Live Video* later in this chapter.
- Counting Signage: Access the people counts of the current day updated immediately from the GV-Web Report server.

GeoUision G	V-Web Report - Peopl	e Counting	
Device Group Log Query			
 On Line : Off Line > Total List > GV-Smart Box 	In	0	GV-Smart Box
> CAMERA_NAME(Live View)	Out	0	
> GV-Smart Box-PP	Average In	0	
> Counting Signage	Average Out	0	
		half of today 0:00 until now I	n(Out) w average In(Out) per minute

Figure 4-5

4.2.2 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.

p://127.0.0.1:8	8080/App/Counter_Signage.php?TYPE=ALLDE\	ICE				
GEO\	/ISIO-77FECD	Ale	exLocalDVR		DVR	
In	0	In	19681	In	2882	
Out	0	Out	19144	Out	2877	
TEST	144-DF98DC2		TEST16		TEST88	
In	24016	In	478635	In	161	
Out	23926	Out	429528	Out	129	

Figure 4-6

GeoVision:

4.2.3 Viewing Live Video

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

- **GV-System:** WebCam Server and DVR Configuration for Remote Access settings (Figure 3-7) on **dbSync2**
- GV-Web Report: Configuration for Remote Access settings (Figure 3-12)



Figure 4-7

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

Note:

- 1. The **In** and **Out** counts on the Live View window is updated directly from the GV-System instead of the GV-Web Report server.
- 2. Once the counts are logged into the GV-System, the In and Out counts will become zero and the GV-System will start counting those numbers again.
- 3. The GV-Smart Box does not support the direct update of the people counts on the Live View window.

4.3 Group Page

On the Group page, you can group different cameras from different GV-Systems 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. I/O trigger to warn the onsite operator of the GV-Web Report server and e-mail notification can 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.

		>> Face Co	ounting
GeoUision	GV-Web Report - People Counting		
Device Group Log Qu	ery	User: 1	Logout
> Total List	Add Group		
> FAE	Group		
Manage Group > Add Group > Maintain Group	Camera GV-Smart Box		
	In Maximum		
Manage Email Group > Add Email Group	Out Maximum		
> Maintain Email Group	Stay Maximum		
Manage I/O Device > Add I/O Device	Set email for reaching the maximum O Yes O No		
 Maintain I/O Device Counting Signage 	Set IO trigger for reaching the OYes ONO		
	Submit Cancel		

Figure 4-8

- 2. Name the group.
- 3. Select the cameras that you want to include in the group.
- 4. In the **Maximum In** field, set the maximum number of people that can enter during the day before activating the computer alarm.
- 5. In the **Maximum Out** field, set the maximum number of people that can leave during the day before activating the computer alarm.
- 6. In the **Maximum Stay** 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. To receive e-mail notifications when the maximum number of people remained is reached, select **Yes** for **Set email for reaching the maximum**.
- 8. 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**.
- 9. Click Submit.
- 10. From **Total List** in the left menu, select the set Group to see the sum of every people count from those selected cameras.

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 *3.6.5 E-mail Settings*.

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

GeoUision	GV-Web Report - People Counting	
Device Group Log	Query	User: 1 Logout
> Total List > FAE	Add Email Group	
Anage Group > Add Group > Maintain Group Manage Email Group > Add Email Group > Maintain Email Group	Email Group Group member email More than one person , please separate with a	
Manage I/O Device > Add I/O Device > Maintain I/O Device > Counting Signage	semicolon Submit Cancel	X



- 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. Customize the e-mail subject and content by clicking **Maintain Group** and then the **Update Group** button . Type the e-mail subject and content.
- To edit an existing e-mail group, select Maintain Email Group and click the Update Group button . To delete an existing group, click the Delete Group button .

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 these GV I/O devices: GV-I/O Box 4 Ports, 8 Ports and 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.

		>> Face Counting
GeoUision G	V-Web Report - Pe	ople Counting
Device Group Log Query		User: 1 Logout
> Total List > FAE	Device Name	Add 1/O Device
Manage Group > Add Group	Port	
 > Maintain Group Add Email Group > Add Email Group > Maintain Email Group > Maintain Email Group > Maintain I/O Device > Maintain I/O Device > Counting Signage 	Output	Output Signal Type Output N/O N/O Toggle N/O Pulse Sec Output1 N/C N/C Toggle N/C Pulse Sec Output2 N/O N/O Toggle N/C Pulse Sec Output2 N/O N/O Toggle N/C Pulse Sec Output3 N/O N/O Toggle N/C Pulse Sec Output3 N/O N/O Toggle N/C Pulse Sec Output4 N/O N/O Toggle N/O Pulse Sec Output4 N/O N/O Toggle N/O Pulse Sec
		Submit Cancel

Figure 4-10

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

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 Maximum In, Maximum Out or Maximum Stay is reached, the warning texts will be displayed on the page and the computer alarm will be activated too.



4.4 Log Page

On the Log page, you can view the people counts of a specified time period from GV-Systems and GV-Smart Boxes.

Device Name	Tł	ne page show record 1-7 , to total number of Query Res	f pages : 1	Use	r:admin Logou
Dovice Name	Tł	total number of	f pages : 1		
Device Name		Query Res	ult List		
Dovice Name					
Device Maine	Camera	Start Time	End Time	In Ou	It VIDEO CLIP
TEST88 🔜	Camera 1	2009-12-24 15:01:13	2009-12-24 15:01:31	20 31	L 📕
TEST88 🗮	Camera 1	2009-12-24 15:01:33	2009-12-24 15:02:23	43 44	1
TEST88 🖳	Camera 1	2009-12-24 15:02:24	2009-12-24 15:03:24	42 22	2
TEST88 🗮	Camera 1	2009-12-24 15:03:24	2009-12-24 15:04:24	17 12	2
TEST88 🖳	Camera 1	2009-12-24 15:04:24	2009-12-24 15:05:24	40 33	5
TEST88 🖳	Camera 1	2009-12-24 15:05:24	2009-12-24 15:06:24	3 0	
TEST88 🖳	Camera 1	2009-12-24 15:06:24	2009-12-24 15:07:24	30 40)
	TEST88	TEST88 A Camera 1 TEST88 Camera 1 TEST88 Camera 1 TEST88 Camera 1 TEST88 Camera 1 TEST88 Camera 1	TEST88 Camera 1 2009-12-24 15:01:33 TEST88 Camera 1 2009-12-24 15:02:24 TEST88 Camera 1 2009-12-24 15:03:24 TEST88 Camera 1 2009-12-24 15:03:24 TEST88 Camera 1 2009-12-24 15:04:24 TEST88 Camera 1 2009-12-24 15:05:24 TEST88 Camera 1 2009-12-24 15:05:24 TEST88 Camera 1 2009-12-24 15:05:24	TEST88 Camera 1 2009-12-24 15:01:33 2009-12-24 15:02:23 TEST88 Camera 1 2009-12-24 15:02:24 2009-12-24 15:03:24 TEST88 Camera 1 2009-12-24 15:03:24 2009-12-24 15:04:24 TEST88 Camera 1 2009-12-24 15:03:24 2009-12-24 15:04:24 TEST88 Camera 1 2009-12-24 15:04:24 2009-12-24 15:05:24 TEST88 Camera 1 2009-12-24 15:05:24 2009-12-24 15:06:24 TEST88 Camera 1 2009-12-24 15:06:24 2009-12-24 15:07:24	TEST88 Camera 1 2009-12-24 15:01:33 2009-12-24 15:02:23 43 44 TEST88 Camera 1 2009-12-24 15:02:24 2009-12-24 15:03:24 42 22 TEST88 Camera 1 2009-12-24 15:03:24 2009-12-24 15:03:24 42 22 TEST88 Camera 1 2009-12-24 15:03:24 2009-12-24 15:03:24 40 35 TEST88 Camera 1 2009-12-24 15:05:24 2009-12-24 15:05:24 40 35 TEST88 Camera 1 2009-12-24 15:05:24 2009-12-24 15:06:24 3 0 TEST88 Camera 1 2009-12-24 15:06:24 2009-12-24 15:06:24 3 0 TEST88 Camera 1 2009-12-24 15:06:24 2009-12-24 15:07:24 30 40

Figure 4-11

To search the log data:

- 1. Select a specific GV-System or a GV-Smart Box from the **Device** drop-down list or a created group from the **Group** drop-down 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. Click **Query** to display the search results.

To back up the found log data in EXCEL and WORD format, click the icons \fbox .

4.4.1 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 (Figure 3-7).
- GV-System: WebCam Server with the Run Viewlog Server option enabled
- **GV-Web Report:** Configuration for Remote Access settings (Figure 3-12)

Note: The GV-Smart Box does not support the playback function.



Figure 4-12





Right-click the play	back window to have 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 waiting time for rendering, but drop frames to give the appearance of real- time playback.
	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 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.
	Full Screen: Switch to the full screen view.
Tools	Snapshot: Save a video image.
	Save as AVI: Save a video as avi format.
	Download: Download the video clip to the local computer.

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

4.5 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-System or GV-Smart Box from the **Device** dropdown list or a created group from the **Group** drop-down list, specify a date, and select the options below. Use the **Chart** drop-down list Chart: Line Graph V to choose to display the data using bar graph, pie graph or line graph.

Note: 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 16, 179 indicates the count of remaining people until 16 pm is 179.





[Weekly Report] Display 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 hour: The hourly percentage of people entered for the week.
- **Stay Percentage per hour:** The hourly percentage of people remaining for the week.

4 Accessing People Counting Page

The following figure is an example of the **In Percentage per hour** option. The value 15:00, 65 (9.02%) indicates the total number of entered people at 15 pm every day for the week is 65. The number takes up 9.02 percent of the total people entered for the week.

				>> Face Counting
GeoUision GV-	Web Report - Peo	ple Coun	ting	
Device Group Log Query				User: 1 Logout
Device: All Group: All Group: All Time: 2010-11-1 Daily Report(2010-11-1) Weekly Report(2010-10-26~2010-11-1) In Counts per hour Out Counts per hour Total Stay per hour In Percentage per hour Stay Percentage per hour Stay Percentage per hour Monthly Report(2010-10-02~2010-11-1) Yearly Report(2009-11-02~2010-11-1)	• 0:00 • 1:00 • 2:00		1] In Percentage per hour(All Device 296) 296) 0 6:00 7:00 8:00 9:00 10:00 11 18:00 18:00 20:00 21:00 22:00	:00 • 12:00
	Time	In	Percentage%	
	0:00	64	8.88	
	1:00	5	0.69	
	2:00	64	8.88	
	3:00	16	2.22	<u>U</u>
	4:00	76	10.54	
	5:00	48	6.66	
	6:00	16	2.22	2

Figure 4-14

[Monthly Report]

- 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]

- 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.

Chapter 5 Accessing Face Counting Page

After the GV-Web Report Service is started, you can access the counts, graphics and live video on the network. The GV-Web Report is divided into 2 pages, **People Counting** page and **Face Counting** page. This chapter describes in details the functions of the Face Counting page.

- **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 from GV-Systems and GV-Smart Boxes.
- 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-Systems and GV-Smart Boxes.

Note:

- 1. The Face Counting function is only supported in GV-System version 8.4.0.0 or later.
- 2. For remote viewing through network, Internet Explorer 7.0 or later is required.

5.1 Accessing Face Counts and Graphics

To access face counts and gender and age recognition results through the web browser, ensure that **Web Service** on the GV-Web Report server has been enabled as shown below; otherwise the login through the web browser will fail.

4	🐇 GeoVision GV-Web Report							
	Se	rvice	Browse	Tools	Help			
		Star	t all servic	es				
		Stop) all servic	es				
	~	Data	a Service					
	~	Web) Service					
		Log						
	Exit							
	_				-			

Figure 5-1



- 1. Two methods to access the Web interface of GV-Web Report:
 - A. If you are at the local GV-Web Report server, select **Browse** on the main screen of the GV-Web Report (Figure 3-9) and select **GV-Web Report Data**. The login page appears.

COO V Entr://127.0.0.1/Geo_Login.php?LANGUAGE=E	N	*
File Edit View Favorites Tools Help		
🚖 Favorites 🛛 🚕 🏉 Suggested Sites 👻 🔊 Free Hotmail 🧧) Web Slice Gallery 👻	
n 🖉 Login		
	GeoUision	
	Sign In with your account	
	ID: 1	
	Password: •	
	Enter the characters shown 3168 3168 in the image :	
	Remember my Account and Password	
	Login	
	©2009 GEOVISION INC.ALL RIGHTS RESERVED.	

Figure 5-2

- B. If you are at a remote computer, start the Internet Explorer browser. Enter the IP address or the domain name of GV-Web Report in the Location/Address field of your browser. The login page appears.
- 2. Enter the login ID and Password of the GV-Web Report. The ID and Password should match those of any account set in the Account dialog box (Figure 3-11).
- 3. Enter the characters shown in the image.
- 4. Click **Login**. The Web page similar to the following example is now displayed in your browser.

http://192.168.0.151/NVR_Counter.php?SYSTE	M=P - Windows Internet Explorer		
	STEM=P		V 🐓 🗙 Live Search
File Edit View Favorites Tools Help			Links *
🚖 🎄 🍘 http://192.168.0.151/NVR_Counter.php?SYSTE/	M=P		🏠 🔻 🔝 🔹 🖶 🕇 📴 Page 👻 🎯 Tools 🗸 🎽
			>> Face Counting
GeoUision GV-Web	Report - People Co	unting	
Device Group Log Query			User: 1 Logout
On Line : Off Line			^
On Line : Off Line Total List		GV-Smart Box-pp	
> GV-Smart Box-pp	In	0	
> Counting Signage	Out	0	
	Average In	0	
	Average Out	0	
	Total In: 0 Total Out: 0 Stay: 0 • Total In(Out): on behalf of too • Average In(Out): on behalf of	day 0:00 until now In(Out) today 0:00 until now average In(Out) per minute	Update Frequency : 60 seconds Last Updated : 02:37:55 54Seconds later update
	1	Total Device Real-time In and Out cha	rt

Figure 5-3

5. Click the **Face Counting** tab on the upper right corner of the Web page. The Web page is switched to the Face Counting page similar to the following example.

C GeoUision	GV-Web Report -	Face Counting		
Device Group Log Q	lery			User: 1 Log
• : On Line • : Off Line • Total List • GV-Smart Box - V1 • GV-Smart Box-p	Face cour Male Female n/a Total Male C	Count: 0 Total Female Count: 0	til now male(female) count	GV-Smart Box-p Update Frequency : 60 seconds Last Updated : 11:47:57 485econds later update

Figure 5-4

6. To display the graphs, it is required to download **Microsoft Silverlight** to your computer. Click the link on the page to start downloading the program.



5.2 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>5.2.1 Viewing the 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-System. See <i>5.2.2 Viewing Live Video</i> .

5.2.1 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-Systems.

GeoUision	GV-Web	Report - Fa	ace Counting				
Device Group Log Qu	lery						User: 1 Log
 On Line : Off Line > Total List 			GV-Smart Box - V1			GV-Smart Box-p	
> GV-Smart Box - V1		Face counts Male	<u>39</u> 0		Face counts Male	0	
→ GV-Smart Box-p		Female	0	1	Female	0	
		n/a	39		n/a	0	
		• rotal Male(r				 48Seconds lat 	: 11:47:57 ter update
		• Total Male(F	Total Device Real-time Male			 Last Updated 48Seconds lat 	ency : 60 seconds : 11:47:57 Ferr update
			15				

Figure 5-5

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 and GV-Systems during the day.
- Total Female Count: The total number of females entered from multiple GV-Smart Boxes and GV-Systems during the day.

On the left menu, you can find these options:

- Total List: Select one GV-Smart Box or GV-System 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.
 - **Camera:** Access the live video if remote access is enabled on both the device and GV-Web Report server. See *5.2.2 Viewing Live Video*.

evice Group Log Query		
: On Line 🌢 : Off Line Total List		GV-Smart Box
> GV-Smart Box	Face counts	141
> CAMERA_NAME(Live View)	Male	30
> GV-Smart Box-PP	Female	10
> CAMERA NAME(Live View)	n/a	101
	• Total Male Count: 30 Total Fe	male Count: 10 half of today 0:00 until now male(female) coun

Figure 5-6

5.2.2 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-Systems and GV-Smart Boxes has been enabled on GV-Web Report. See *3.6.3 Remote Access settings* for details on how to allow remote access. You will also need to enable Webcam Server on the GV-System. See Chapter 8, *DVR User's Manual* on the Surveillance System Software DVD.





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

5.3 Group Page

On the Group page, you can group different cameras from different GV-Smart Boxes and GV-Systems, and then 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.

GeoUision GV-Web Report - Face Counting							
Device Group Log Query							
> Total List	Add Group						
> group1	Group						
Manage Group <u> Add Group</u> Maintain Group	Camera GV-Smart Box CAMERA_NAME GV-Smart Box-PP CAMERA_NAME						
	Submit Cancel						



- 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 those 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.

5.4 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-Systems.

GeoUision GV-We	eb Report -	Face Cour	nting				
Device Group Log Query							User: 1 Logo
All		1		d 1-3 , total number number of pages : 1	of records : 3		
O Group: All			Que	ery Result List			19. 19.
Gender: All	Device Name	Camera	Start Time	End Time	Gender	Age	Image Snapshot
Age: All v Start 2010-05-28 00 v: 00 v:	GV-Smart Box- v1 🖳	CAMERA_NAME 🖤	2010-05-28 14:11:31	2010-05-28 05:10:23	N/A N/A 💌	0~50~5 💌	Q
Time: 00 v 2010-05-28 06 v: 59 v:	GV-Smart Box- v1 📜	CAMERA_NAME 🖤	2010-05-28 14:11:31	2010-05-28 05:11:21	N/A N/A 💌	0~50~5 💌	Q
End Time: 59 🕶	GV-Smart Box- v1 📜	CAMERA_NAME 🖤	2010-05-28 14:11:31	2010-05-28 05:11:21	Male Male 💙	60~65 60 ~ 65 💌	٩,
DST: Select All OY ON Query				X , D			

Figure 5-9

To search the log data:

- 1. Select a specific GV-Smart Box or GV-System from the **Device** drop-down list or a created group from the **Group** drop-down list.
- 2. Specify Gender and Age of the log data.
- 3. Specify Start Time and End Time of the log data.
- 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 or GV-System fails to recognize the gender. You can also manually specify the gender with the drop-down 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 drop-down 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



To back up the found log data in EXCEL and WORD format, click the icons in the bottom of the Query Result List.

5.5 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-System from the **Device** drop-down list or a created group from the **Group** drop-down list, specify a date, and select the following options below. Use the **Chart** drop-down list Chart : Line Graph above the graphs to choose to display the data using 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.

5 Accessing Face Counting Page

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 5-10

[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 $30 \sim 35$, 321 (32.96%) indicates the number of $30 \sim 35$ year-olds entered is 321. $30 \sim 35$ year-olds takes up 32.96 percent of all persons entered that week.



Figure 5-11

[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.

Chapter 6 Mobile Phone Connection

Using iPhone, iPad or other mobile devices with built-in Android OS, you can view people counting and face counting results on your mobile phone. After logging in, you can query the data and chart for people counting and face counting results.

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.

▶ < 上午11:24 82 Login	%
▲ ► C C + 192.168.0.199/Geo_Login_mobile.php?L C Google	
Sign In with your account	
Sign In with your account	
ID:	
Password:	
Remember my Account and Password	
Login	

Figure 6-1

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



Figure 6-2



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

≁		下午4:42 Untitled	36% 🖿
◀ ▶ ©	CC + 192.168.	0.199/App/Counter_Live_mobile C Google	
Data	Chart	People Counting	
Date : 2	010-11-0	1	.ogout
Device :	All		
Туре : [aily Report	V	
	2	010-11-01	
In/Ou	t Counts j	per hour and Total :	Stay
³⁰⁰ E			
250			/
Ē			
200		and the second second	
150			
100			
50	XA		
o 🖻		A PROPERTY AND	
0	5	10 15	20

Figure 6-3

- 6. Tap the **Date** drop-down list to select a date and tap the **Device** drop-down list to select a device.
- 7. Use the Type drop-down 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.

Data Ch	art	Face Counting		
Face Counting [2010-11-01] Logout				
Device : All				
	GV-Smar	t Box		
Face counts	974			
Male	391			
Female	455			
n/a	128			
Total Male Count: 391 Total Female Count: 455 • Total Male(Female): on behalf of today 0:00 until now male(female) count				

Figure 6-4



9. To see the data of other devices, tap the **Device** drop-down list.

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



Figure 6-5

- 11. Tap the **Date** drop-down list to select a date and tap the **Device** drop-down list to select a device.
- 12. Use the **Type** drop-down list to display the results of that day, week, month or year.

Appendix

A. Enabling UPnP in Windows XP

1. Go to Windows Start, click **Start** button, select **Settings**, and select **Network Connections**. This window appears.



2. Right-click one **Local Area Connection**, select **Properties**, and click the **Advanced** tab. This dialog box appears.



3. Click the Settings tab, and click Exceptions tab. This dialog box appears.

👺 Windows Firewall	x
General Exceptions Advanced	_
Windows Firewall is turned off. Your computer is at risk of attacks and intrusions from outside sources such as the Internet. We recommend that you click the General tab and select On.	
Programs and Services:	
Name	
File and Printer Sharing	
Remote Assistance	
Remote Desktop	
UPnP Framework	
Add Program Add Pgrt Edit Delete	
☑ Display a notification when Windows Firewall blocks a program	
What are the risks of allowing exceptions?	
OK Cancel	

4. Select UPnP Framework, and click OK.

B. Modifying Port Number for running GV-Web Report on the same

computer with GV-System

Since the **GV-Web Report** server and the **WebCam Server** of GV-System use 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 the two are run 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.