New Features and Enhancements of GV-LPR V3.1.2.1

Contents

1.	Se	etting Weekly Schedules for Registered Vehicles	2
	1.1	Setting the Time Zone	3
	1.2	Setting the Schedule Rule	5
	1.3	Applying the Schedule Rule to the Registered Vehicle	8
2.	Se	etting the System Log	10
3.	Mo	odifying the Plate Number in the Recognition	
	Da	atabase Window	13
4.	Ex	port Setting	15

1. Setting Weekly Schedules for Registered Vehicles

The Schedule feature allows you to create weekly schedules for the registered vehicle to access a site, such as a car park or an entrance.

To enable the gate to be triggered to open when a registered plate is recognized:

- On the main screen, click the Configure button and select System Configuration.
- Click the I/O Device tab, enable the desired Output and select Registered in the Output Setup section.

Output Setup	
🖃 Output Setup 1 (Camera 1)	I✓ Enable
Output 1	Output 1 🦃
Output 2	
Output 3	
Output 4	Registered 🔹
	🔲 🔄 All Status
	📔 🔤 👳 Registered 🛛 🚰
	Visitors
	🗌 🛄 🕵 Unrecognized



The weekly schedule is set with the defined daily and holiday access time. If the registered vehicle tries to access during the unscheduled time, the gate would not be triggered to open, and the access attempt will fail. Considering the variety of access hours for vehicles, you can apply different schedule with different access time on each registered vehicle, if necessary.

Setting the Time Zone 1.1

On the main screen, click the **Schedule** button , and select **Schedule Setting**. 1. This dialog box appears.

Came	era Recognition Sche	edule 🔀				
	Schedule Rule Definition					
	Camera	Schedule Rule Selection				
	Camera 1	None				
		× X				



Figure 1-2

2. Click the **Schedule Rule Definition** button. This setup box appears.

Schedule Rule Definition	X
Time Zone Setup	
🗳 🔹 🕱 💽 🚱	
00:001 2 3	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
0 : Deny Pass	
255 : Full Pass	
	~
CSchedule Rule Definition	
📣 🛥 🖬	
	Monday
	Tuesday
	wednesday
	Thursday
	Friday
	Saturday
	Sunday
	Hol.
1	
<u> </u>	

Figure 1-3

3. In the **Time Zone Setup** section, you can define the minutes and hours of the day when the registered vehicle is granted access. There are two default time zones "Deny Pass"

and "Full Pass". Click the **Add** button to create a new time zone. This dialog box appears.

Name		X
Name:	Time Zone 1	√ X

Figure 1-4

- *4.* Give a name to the time zone you are going to define, and click the *define* button. For example, name Time Zone 1 as **Day Pass**.
- 5. Drag the mouse on the timeline to define a period of access time. For example, set the time from **06:00** to **18:00**.

s	ichedule Rule De	finition	×
Г	-Time Zone Setup		
	🗳 📽 🔯	(b) (b)	
		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 🔺	
	0 : Deny Pass	18:00	
	255 : Full Pass		
	1 : Day Pass		
		▼	
	-		

- Figure 1-5
- 6. To delete the time zone, click the **Delete** button it is to enlarge the timeline, click the

Scale Dig Dullon

7. To modify the defined time zone, click the **Add Access Time** button **O** or the

Delete Access Time button , and drag the mouse on the timeline.

8. To create a second time zone, repeat the step 3 to step 5.

1.2 Setting the Schedule Rule

÷

1. Click the **Add** button

in the Schedule Rule Definition section.

🚁 🔹 🎟		
	Monday	v
	Tuesday	_
	Wednesday	_
	Thursday	_
	Friday	_
	Saturday	_
	Sunday	_
	Hol.	_



2. This dialog box appears. Give a name to the weekly schedule you are going to define, and

click the button. For example, name the weekly schedule as **Day Rule**.

Name		
Name:	Day Rule	√ X

Figure 1-7

3. From the drop-down lists of Monday to Holiday, select the time zone. For example, you can select Day Pass for Monday to Friday, and select Deny Pass (the default time zone) for Saturday, Sunday and Holiday. After the settings, the vehicle set with Day Rule schedule will only be granted access on week days (not including holidays) during the defined time (from 06:00 to 18:00). For details on holidays, see *1.2.1 Setting Holidays*.

Monday	Day Pass 💌
Tuesday	Day Pass 💌
Wednesday	Day Pass 💌
Thursday	Day Pass 🔹
Friday	Day Pass 🔹
Saturday	Deny Pass 🔹
Sunday	Deny Pass 🔹
Hol.	Deny Pass 🔻

Figure 1-8

- 4. To delete the schedule rule, click the **Delete** button
- 5. To create a second schedule rule, repeat the step 1 to 3.
- 6. When you finish creating the schedule rules, click the **determined** button.
- 7. Select the schedule rule from the drop-down list for the desired camera and click the



- None: Select this option, and no schedule rule is applied on the camera when it performs license plate recognition.
- Schedule Rule: Select the desired schedule rule, and the camera would perform license plate recognition according to the schedule rule.



Figure 1-9

For example, if you select **None** for Camera 1, Camera 1 would perform license plate recognition all day until you stop recognition. If you select **Day Rule**, Camera 1 would start license plate recognition according to the schedule you just created.

Note: There are two applications for the schedule rule:

- 1. The camera is set with no schedule rule, while the vehicle is set with a schedule rule. For details, see *1.3 Applying the Schedule Rule to the Registered Vehicle*.
- 2. Both the camera and the vehicle are set with schedule rules. However, the scheduled time and day for the camera should be longer than those for the vehicle. For example, if the access time for the camera is from 8:00 to 20:00, Monday to Saturday, the access time for the vehicle should be within the period.

1.2.1 Setting Holidays

1. To designate the specific dates as holidays, click the **Holiday** button . This calendar appears.

F	oliday			×
	\$\$ \$			
	Nov 2010	Dec 2010	Jan 2011	Feb 2011
	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 <t< th=""><th>S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</th><th>S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</th><th>S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28</th></t<>	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
	Mar 2011	Apr 2011	May 2011	Jun 2011
	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<u>S M T W T F S</u> <u>1 2 3 4</u> 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
		×	X	



Ľ

- 2. Click the **Holiday** button , and then click the specific dates as holidays.
- 3. To delete the holiday, click the **Non Holiday** button **w** and then click the date you want to delete.
- 4. After the settings, click the

1.3 Applying the Schedule Rule to the Registered Vehicle

- On the main screen, click the The Query dialog box appears.
- 2. Specify the query conditions and click the

button. The Registered Plates

button, and select Registered Plates Database.

Database window appears.

👹 Registered	Plates Databas	e					
File(F) Operate	(O) Record(R) V	/iew(V)					
4	🗼 🔍 (s 2	🗘 🗘		2		
LICENSE_PLATE	REGISTERED_ID	NAME	IDENTITY	ADDRESS	TICKET	TEL_NUMBER	E-MAIL
3197GX	001	GeoVision	GeoVision	9F, No		2-8797-8376	support@g
5969QG	002	Geo1	Geo1-supervisor				
7932EF	003	Geo2	Geo2-supervisor				
<							
	Log: 1-3, Total 3 record(s)						

1

Figure 1-11

3. Select the license plate to be configured and click the **Modify Record** button . The plate record appears.

Modify record			
LICENSE PLATE	3197GX	□ PHOTO_PATH	1
REGISTERED ID	001		
NAME	GeoVision		
IDENTITY	GeoVision		
ADDRESS	9F, No. 246, Sec.1, Neihu Rd., Neihu Disti		
TICKET			
TEL_COUNTRY_CODE	886		
TEL_NUMBER	2-8797-8376		
E-MAIL	support@geovision.com.tw		<u></u>
PHOTO_PATH1			
MEMO			
ACTIVATION_DATE			
EXPIRATION_DATE			
VALID_CAMERA	1-2-3-4-5-6-7-8		
ALARM_GROUP_ID			
SCHEDULE_ID			
		1	¥
1		×	X

Figure 1-12



4. Select Rule 1-Day Rule from the Schedule_ID drop-down list. Click the

button.

Ľ

Modify record		
		-PHOTO PATH1
LICENSE_PLATE	3197GX	_
REGISTERED_ID	001	
NAME	GeoVision	
IDENTITY	GeoVision	
ADDRESS	9F, No. 246, Sec.1, Neihu Rd., Neihu Disti	
TICKET		
TEL_COUNTRY_CODE	886	
TEL_NUMBER	2-8797-8376	
E-MAIL	support@geovision.com.tw	2
PHOTO_PATH1		
MEMO		
ACTIVATION DATE		
EXPIRATION DATE		
VALID_CAMERA	1-2-3-4-5-6-7-8	
ALARM GROUP ID		_
SCHEDULE_ID	Rule 1 - Day Rule	
	None	
	Rule 1 Dev Pule	
	Kule I - Day Kule	
		√ X
1		

Figure 1-13

5. On the main screen, click the **Schedule** button , and select **Schedule Start**.

After the settings, the vehicle will be granted access to the site when being recognized during the scheduled time. It will also show "**Registered**" in the live view window of the GV-LPR. If the registered vehicle tries to access the site during the unscheduled time, it would show "**Out of Schedule**" in the live view window.



Figure 1-14

2. Setting the System Log

System Log provides historical information that can help you track down system events, such as Start Up, Shut Down, Log In, Log Out, Start Recognition, Stop Recognition, and etc. This information is being saved in a database, which you can select to be recycled after certain days.

To set the System Log:

1. On the main screen, click the **Configure** button , and select **Log Setting**. This dialog box appears.

Log System Setting	×
🔽 Enable Log System	
Log System Recycle	
🔽 Enable	
By Day	
Keep Day(s): 7	
O By Size	
Size: 1 GB	
× X	



- 2. Select Enable Log System.
- In the Log System Recycle section, select Enable and then select to recycle the files By Day or By Size.
 - **By Day:** Select this option and set the number of days to keep logs.
 - By Size: Select this option and set the size of the storage space. When the storage space is below the size, the system will delete the old log files.
- 4. Click the dutton.



To open the Log System Browser:

1. On the main screen, click the

button, and select Log System. This dialog box

appears.

Query	
🖵 Log Type	🔽 Log Event Time
Select All Log Type System_Start_Up System_ShutDown System_ShutDown System_ShutDown System_ShutDown System_Login System_Start_Recognition System_ULEnter System_ULEnter System_ULExit System_ULCancel System_USB_Protection_Key_Insert System_USB_Protection_Key_Incompation System_USB_Protection_Key_Incompation System_USB_Protection_Key_Not_Matc Network Start Service	Start Time 11/ 2:10:34 PM End Time 11/12/2010 2:10:34 PM

Figure 2-2

- 2. Select Log Type, and the Log Type options become available.
- 3. Select the desired Log Type.



Figure 2-3

4. To view the logs for a specific period, select Log Event Time and set the start date and

time and the end date and time from the drop-down lists. Click the **drop**-down lists.



Figure 2-4

5. The **Log System Browser** appears, showing the logs of selected types during the time you just specified.

0	Log S	ystem Browser								
	Q									
		LogType	Log Event Time	Privilege	Device Type	Device Alias	Camera Alias	Service Merno	UI Alias	^
	1	System_Start_Up	11/11/2010 10:54:		PC	TEST151				=
	2	System_UI_Enter	11/11/2010 10:58:						System C	. 💻
	3	System_UI_Cancel	11/11/2010 10:59:						System C	
	4	System_UI_Enter	11/11/2010 10:59:						Video Sou	
	5	System_UI_Apply	11/11/2010 10:59:						Video Sou	
	6	System_Start_Recognition	11/11/2010 11:03:		PC	TEST151	Camera 1			
	7	System_Stop_Recognition	11/11/2010 12:35:		PC	TEST151	Camera 1			
	8	System_Start_Recognition	11/11/2010 12:35:		PC	TEST151	Camera 1			

Figure 2-5

3. Modifying the Plate Number in the Recognition

Database Window

The Recognition Database allows you to view and query the recognition records. Records being queried will be shown with detailed items, including the plate number, the driving direction and the vehicle identity. GV-LPR V3.1.2.1 supports manual modification of the plate number in the database, if the recognition result is incorrect.

To modify the plate number, follow the steps below:

On the main screen, click the button dialog box appears, allowing you to query the recognition records. Specify the query

conditions, and click the **determined** button.

	Query		
Contraction Data File(0) Operate(0) Re HOST_NAME RECOGI		CAMERA_NUM Camera 1 CAMERA_NAME Camera 1 CAMERA_NAME Exact Match HOST_NAME DENTIFY_NUM CAMERA_NAME EVENT_TRIGGER EVENT_TRIGGER AVERAGE_SPEED Min value 0.00 Max value 300.00 CMax value Exact Match	VTIFY_N ALARM_NUP
	Exact Match	VEHICLE_COLOR	

Figure 3-1

2. Double-click the **Recognition Plate** that you want to modify, and the field is available for modification.

Recogni	tion Database									
File(O) Ope	rate(O) Record(O) V	/iew(O)								
Q.										
HOST_NAME	RECOGITION_PLATE	CAMERA_NUM	DIRECTION	EVENT_TIME	Plate Photo	STAY_TIME	AVERAGE_SPEED	IDENTI 🔨		
TEST151	7530GU	1	Incoming	11/12/2010 2:31:22 PM	7530 GU			Visi		
TEST151	8Q5146	1	Incoming	11/12/2010 2:31:17 PM	805146			Visi		
TEST151	1367QJ	1	Incoming	11/12/2010 2:31:16 PM	1367-QJ			Visi		
TEST151	DJ2321	1	Incoming	11/12/2010 2:31:14 PM	DJ2321			Visi		
TEST151	8B6297	1	Incoming	11/12/2010 2:31:12 PM	88-6297			Visi		
TEST151	7932EF	1	Incoming	11/12/2010 2:31:09 PM	7932EF			Visi		
CEST151	C7T385	1	Incomina	11/12/2010 2:31:07 PM	C77 200			Visi 💙		

Figure 3-2

3. Press **Enter** when the plate number is modified.

4. Export Setting

In GV-LPR V3.1.2.1, the user interface of the Export Setting has been enhanced and more options are added.

Export Setting enables you to export the recognition results for system integration. You may select **Export through RS232** or **Export to File** to export the recognition results. To configure

the Export Setting, click the **Configure** button on the main screen, and select **Export Setting**.

Enable Export through DC222				
Enable Export through R6232				
		Recognition Result Export 9	Betup ———	
Select Port		Output Item		~
🗖 Save Rei	urned Ticket Number	Registered		
Recognition Item Output Selec	t	Visitors		
🗖 Select All		Unrecognized		~
Output Item	Length (Bytes)	Europet Combant Column	(and the farmer address)	
Camera ID	2	Export Content Setup (Auxin	Jary Information)	
License Plate	12	Output Item	Content	
Recognition Time	Can't be change	Enable Prefix	{	
	8	Enable Suffix	}	~
Drive Direction	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
	1 💌	Registered Item Output Sel	ect	
- Recognition Time Output Form	oot			
		Registered item will be e	xported only when recogr	nized
Output item				
Month (2 Bytes)		Output Item	Length (Bytes)	
Day (2 Bytes)	×		50	
Clau Time Cale of Fernand				
Stay Time Output Format	1	_		
Output Item	^			
Day (2 Bytes)				

Figure 4-1

[Export through RS232]

Through RS-232, the recognition results are transmitted and then displayed at the receiver's site. To configure the settings for exporting through RS-232, follow the steps below:

Note: It is required to use a RS-232 cross-over cable to connect GV-LPR and the device, which the exported data are transmitted to.



- 1. Click the **Export through RS232** tab, and select **Enable Export through RS232** to make other options available.
- 2. Select the COM port from the drop-down list, and click the button to set the communication properties of the COM port.

			CON	11 Properties	? 🔀
			Po	rt Settings	
				-	
🔽 Enable Export t	hrough RS232			Dis au count 0000	
RS232 Setup				Bits per secona: 13600	
Select Port		1		Data bits: 8	-
	Save Returned Ticket Number				
				Parity: None	
				Stop bits: 1	
				1.	_
				Flow control: None	-
				R	estore Defaults
			_		
				OK Cance	el Apply



- 3. The **Save Returned Ticket Number** option allows the GV-LPR System to be integrated with Ticketing System. Select this option, and the Ticketing System should send the data, including the Ticket Number and Card ID, back to GV-LPR. The received data can be used to search for the recognition record.
- 4. In the **Recognition Item Output Select** section, select the recognition item(s) to be exported.

Recognition Item Output Select					
🔲 Select All					
Output Item	Length (Bytes)	^			
Camera ID	2				
License Plate	12				
Recognition Time	Can't be change				
🗖 Stay Time	Can't be change				
AVERAGE_SPEED	8				
Drive Direction	1				
	1	~			





5. To modify the length of the output item, click the **Length** field of the item to make it available for modification.

Recognition Item Output Select	et	
Output Item	Length (Bytes)	^
🗹 Camera ID	2]
🗖 License Plate	12	
Recognition Time	Can't be change	
🗖 Stay Time	Can't be change	
AVERAGE_SPEED	8	
Drive Direction	1	
	1	~

Figure 4-4

6. If you select **Recognition Time** at step 4, the **Recognition Time Output Format** options will become available. You can select to include **Year**, **Month**, **Day**, **Hour**, **Minute**,

Second, or Millisecond in the exported data.

Recognition Item Output Se	lect		
Output Item	Length (Bytes)	^	
Camera ID	2		
License Plate	12		
Recognition Time	Can't be change		
🗖 Stay Time	Can't be change		
AVERAGE_SPEED	8		
Drive Direction	1		
	1	~	
-Recognition Time Output Fo	Recognition Time Output Format		
Output Item		~	
🗹 Year (4 Bytes)			
Month (2 Bytes)			
🛛 🗹 Day (2 Bytes)		~	

Figure 4-4

7. If you select **Stay Time** at step 4, the options the **Stay Time Output Format** options will become available. You can select to include **Day**, **Hour** or **Minute** in the exported data.

Recognition Item Output Se	lect			
Output Item	Length (Bytes)	<u>^</u>	Stay Time Output Format	
Camera ID License Plate Recognition Time	2 12 Can't be change	Ξ	Output Item Day (2 Bytes)	<u> </u>
Stay Time	Can't be change		Minute (2 Bytes)	~
AVERAGE_SPEED	8		J Camindie (2 Dyles)	
DIDENTITY	1	~		



8. In the **Recognition Result Export Setup** section, select the types of the recognition results to be exported.

-	Recognition Result Export Setu	0	
	Output Item	<u>^</u>	Ī
	🗹 Registered	E	
	✓ Visitors		2
	🗹 Unrecognized	~	J.

Figure 4-6

- 9. In the Export Content Setup (Auxiliary Information) section, select to enable Prefix ({) and Suffix (}) for each exported data or select Separation (space) to separate each exported data.
- 10. In the **Registered Item Output Select** section, select if you want the name of the vehicle owner to be exported when the recognized plate is registered.

Registered Item Output Select		
Registered item will be exported only when recognized ID is registered.		
Output Item	Length (Bytes)	
	50	

Figure 4-7



[Export to File]

You can also export your recognition results to files. The exported file format options include **.TXT**, **.CSV**, **.HTML**, **.XML**, **.MDB**, and **EXCEL**. To configure the settings for exporting to files, follow the steps below:

1. Click the **Export to File** tab, and select **Enable File Export** to make other options available.

Export Setting	X
Export through RS232 Export to File Finable File Export Export Path Setting Mode Select All Item Use Same Setting Path of All Item	Enable S
Export File Format TXT Extension File Name bd Data Append to File End	File Name Enable Recycle Fixed File Name Recycle Size LPR_EventLog Image: Size Define Fine Name Image: Size

Figure 4-8

2. In the **Export Path Setting** section, specify the export path. You can sort the export files by the desired classification, and set different export path for each group under the same classification, if necessary.

Export Path Setting Mode Select	JI Item Use Same Setting]
Path of All Item		Enable

Figure 4-9

A. Select the desired classification from the Mode Select drop-down list. The corresponding groups appear in the field below. For example, if you select By Identity, you will find the groups, including Extension Group, Registered, Visitors, Unrecognized, Registered_Overstay and Visitors_Overstay.

Đ	sport Setting
	Export through RS232 Export to File File Export Export Path Setting Mode Select By Identity
	Extension Group Registered Visitors Unrecognized Registered_Overstay Visitors_Overstay

Figure 4-10

Note: The Extension Group refers to the user-defined group you set up in the **Alarm Definition Setting** section. For details, see *3.2.7 Alarm Definition Setting, GV-LPR V3.0 User's Manual.*

B. Click any group, and select **Enable** in the right pane. Click the button to specify the export path.

Export Setting	
Export Setting Export through RS232 Export to File Image: Export Path Setting Mode Select By Identity Extension Group Registered Visitors Unrecognized Registered_Overstay Visitors_Overstay	✓ ✓ Enable Path C:1GV-LPR\ExportStorage

Figure 4-11

- C. Repeat step B to set the export path for the rest groups.
- 3. In the Export File Format section, select the format from the drop-down list. The options include .TXT, .CSV, .HTML, .XML, .MDB, and EXCEL. If you select TXT, the Extension File Name field is available for modification.

Export File Format		
TXT	•	
Extension File Name		
txt		

Figure 4-12

4. Click the **Select Export Item** button, and this dialog box appears, allowing you to select the recognition item(s) to be exported.

Select Export Item	
Export Content Setting Select Export Item Output Item Camera Name License Plate Recognition Time Stay Time AVERAGE_SPEED Data Append to File End Card ID Host Name Recognition Confidence IDENTITY Alarm Group ID Plate Region Overview Camera ID Counter Recognition Event Path Overview Camera Path	Recognition Time Output Mode 20091126151600000 Output Item Year Month Day Stay Time Output Format Output Item Day Hour Minute Plate Region Output Mode Width and Height Registered Item Output Select NAME Registered Item Will be exported only when recognized ID is registered.

Figure 4-13

- 5. Select the recognition item(s) to be exported.
- 6. If you select **Recognition Time** at step 5, the **Recognition Time Output Mode** options will become available.
 - A. Select the output mode from the drop-down list.
 - B. If you select to export the Recognition Time in the sequence number (e.g., 200911261524), you can select to include Year, Month, Day, Hour, Minute, Second, or Millisecond in the exported data.

Select Export Item	
Recognition Item Output Select	Recognition Time Output Mode
Output Item Camera ID Camera Name License Plate Recognition Time	Output Item ▲ ✓ Year ✓ Month ✓ Day

Figure 4-14

7. If you select **Stay Time** at step 5, the **Stay Time Output Format** options will become available. You can select to include **Day**, **Hour** or **Minute** in the exported data.

Select Export Item	
Recognition Item Output Select	Recognition Time Output Mode
Output Item Camera ID Camera Name License Plate Recognition Time	Output Item
Stay Time AVERAGE_SPEED Drive Direction Event Trigger Extra Status Card ID Host Name	Stay Time Output Format

Figure 4-15

 If you select Plate Region at step 5, the Plate Region Output mode options will become available. Select the output mode to be Width and Height or Left Top Right and Bottom.

Output Item	
Camera ID	Output Item
Camera Name	Vear 🖉
License Plate	Month
Recognition Time	J 🗹 Day 🔛
Stay Time	Other Times Outhert Formest
AVERAGE_SPEED	Stay Time Output Format
Drive Direction	Output Item
Event Trigger	Dav
Extra Status	Hour
Card ID	Minute 😒
Host Name	
Recognition Confidence	
	Plate Region Output Mode
Alarm Group ID	Width and Height
Plate Region	
🔲 Overview Camera ID	

Figure 4-16

- Width and Height: Select this option to display 2 pixel values of the width and height of the plate.
- Left Top Right and Bottom: Select this option to display 4 pixel values of the four sides of the plate.

9. In the **Registered Item Output Select** section, select if you want the name of the vehicle owner to be exported when the recognized plate is registered.





10. When you finish selecting the exported items, click the **definition** button to apply the

settings.

11. Select **Data Append to File End** to include all recognition results. Otherwise, the exported file will only display the latest records of the recognition results by overwriting the same items.





12. In the File Name Setting section, select the way to name the exported files.

File Name Setting		
LPR_EventLog		
User Define		
Define File Name		

Figure 4-19

Fixed File Name: Select this option to give a fixed file name LPR_EventLog.

User Define: Select this option to make the Define File Name button available. Click the button and this dialog appears.

File Name Setting		X
		Plate Region Output Mode
Output Item	Sample Value	Width and Height
Output Item Camera ID Camera Name License Plate Stay Time AVERAGE_SPEED Drive Direction Event Trigger Extra Status Card ID Host Name Recognition Confidence IDENTITY Alarm Group ID Plate Region Overview Camera ID Counter Recognition Time Output Forma	Sample Value 2 Geo Camera Geo888 20091016201530168 00100530 30.450001 1 1 Geo12345 GeoHost 090091092093094095 0 1 256066 6 10	Width and Height Auxiliary Information Setting Image: Enable Prefix Image: Event Image: Enable Separation Image: Enable Suffix
Output Item	Output Item	
File Name EVENT_ Preview		X X

Figure 4-20

- A. Select the Output Item(s) to be included in the file name.
- B. If you select Recognition Time at step A, the Recognition Time Output
 Format options will become available. You can select to include Year, Month,
 Day, Hour, Minute, Second, or Millisecond in the file name.
- C. If you select **Stay Time** at step A, the **Stay Time Output Format** options will become available. You can select to include **Day**, **Hour** or **Minute** in the file name.
- D. If you select Plate Region at step A, the Plate Region Output Mode options will become available. You can select Width and Height to display 2 pixel values of the width and height of the plate, or select Left Top Right and Bottom to display 4 pixel values of the four sides of the plate.

E. In the **Auxiliary Information Setting** section, you can enable and self-define the **Prefix**, **Separation** and **Suffix** for the file name.

Auxiliary Information Setting
EVENT_
Enable Separation
_
Enable Suffix

Figure 4-21

After the settings, you can have a preview of the file name in the **File Name Preview** field below. For example, if you select Camera ID, Camera Name and License Plate to be shown in the file name, and select to enable Prefix (Event_), Separation (_) and the Suffix (#), the file name will be as shown below.

File Name Setting				
			Plate Region Output Mode	
Output Item	Sample Value	1	Left Top Right and Bottom	
Camera ID	2		,	
Camera Name	Geo Camera			
License Plate	Geo888		 Auxiliary Information Setting 	
Recognition Time	200910162015301	68	🔽 Enable Prefix	
🗖 Stay Time	00100530			
AVERAGE_SPEED	30.450001		EVENT_	
Drive Direction	1		E Enchle Concretion	
Event Trigger	1		Chaple Separation	
Extra Status	1			
Card ID Geo12345				
Host Name	GeoHost	005	Enable Suffix	
	090091092093094	095		
	1		#	
	756066			
	6			
	10			
		15	J	
Recognition Time Output Forma	at Stay Time Outp	ut Format	7	
Output Item 🔼	Output Item			
M Year 🧧	Dav Dav			
Month	Hour	_		
🛛 🗹 Day 🛛 🗹	Minute	►		
			J	
EVENT_2_Geo Cam	iera_Geo888#			
Preview				
			√ X	

Figure 4-22



13. After you finish the file name settings, click the



14. Select **Enable Recycle** and specify the storage space limit. For example, if you set 1 GB, the system will recycle the files if the storage space is less then 1 GB.

🔽 Enable Recycle			
Recycle Size	1	GВ	

Figure 4-23

15. Click the **determinant** button to apply the settings.