

Surveillance System

The Vision of Security

New Feature Guide V8.5.5.0



FGV8550-A

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Feature Guide for

V8.5.5 GeoVision Surveillance System

This Guide provides an overview of key features in V8.5.5 GV-System. It also includes information about how the features differ from similar features in earlier versions.

Cards Supported

V8.5.5 only supports the following GV video capture cards:

- GV-600(S) V3.20 and later
- GV-650(S) V3.30 and later
- GV-800(S) V3.30 and later
- GV-804A V3.10 and later
- GV-600A
- GV-650A
- GV-800A
- GV-900A
- GV-600B
- GV-650B
- GV-800B
- GV-1120, GV-1120A All Series
- GV-1240, GV-1240A All Series
- GV-1480, GV-1480A All Series
- GV-1008
- GV-3008
- GV-4008, GV-4008A
- GV-5016
- GV-SDI-204

Note that GV-600 (V4), GV-650 (V4) and GV-800 (V4) and GV-804 (V4) Cards are renamed to GV-600A, GV-650A, GV-800A and GV-804A. These V4 and A Cards are the same video capture cards.



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1. New Supports and Specifications

1.1 GV-SDI-204

In V8.5.5, the GV-SDI-204 Video Capture Card is now supported to provide **a tribrid solution that integrates analog, IP and HD-SDI cameras.** The GV-SDI-204 Card supports up to 4 video channels of HD-SDI cameras, recording up to 120 /100 fps (NTSC / PAL) in total at 1080p with H.264 hardware compression.

You can install up to 4 GV-SDI-204 Cards for a total of 16 channels. GV-SDI-204 Cards can also be installed with other types of GV-Video Capture Cards including GV-900A, GV-800B, GV-650B, GV-600B, and GV-1480A / 1240A / 1120A Combo Cards, but the total number of channels cannot exceed 32 channels. Below is a brief specifications chart for GV-SDI-204:

			GV-SDI-204
Input Type			BNC
Video Input			4 Cams
Audio Input			N/A
ACCC NTS		NTSC	120 fps
	TUOUP	PAL	100 fps
Recording Rate	720p	NTSC	240 fps
Rate		PAL	200 fps
	1080i	NTSC	120 fps
		PAL	100 fps
		1080p	1920 x 1080
	H/W	720p	1280 x 720
Video		1080i	1920 x 1080
Resolution		1080p	960 x 540, 480 x 270
	S/W	720p	640 x 360
1080		1080i	960 x 540, 480 x 270
Bit Rate Range			10M ~ 20M

For detailed information on GV-SDI-204, see the installation guide at: <u>http://www.geovision.com.tw/Install_Products/GV-SDI-204.pdf</u>



1.2 Support for Ivy Bridge GPU Decoding

V8.5.5 now supports GPU decoding by Intel Ivy Bridge chipsets, allowing GV-System to process videos of 1 - 3 MP using less CPU resource.

		Sup	ported	Not Supported	
		Sandy Bridge	Ivy Bridge		
Operating	32-Bit	Windows Vista / 7			
System	64-Bit	Windows 7 / Server 2008 R2	Windows 7	Server 2008	
GV-System		V8.5.0.0 or later	V8.5.5.0 or later		
Resolution		1 MP / 2 MP	1 MP / 2 MP / 3 MP	CIF / VGA / D1 / 4MP / 5MP	
Codec		H.264		MPEG4 / MJEPG	
Stream		Single Stream		Dual Streams	
Note: To apply GPU decoding, the recommended memory (RAM) requirements is 8 GB or more for 64-bit OS and 3 GB for 32-bit OS.					

1.3 Support for New IP Devices

The following GeoVision and third-party IP devices will now be supported in V8.5.5.

- Audio: A " " mark indicates the GV-System supports the two-way audio communication with the device; "N/A" indicates the function is unavailable in the device.
- **Codec:** The video codec supported by GV-System are listed.
- **PTZ:** A " " mark indicates the GV-System supports the PTZ function of the device; "N/A" indicates the function is unavailable in the device.

Brand	Model	Audio	Codec	PTZ
ACTi	TCM-5111	N/A	JPEG / MPEG-4 / H.264	N/A
Arecont Vision	AV-20185DN	N/A	JPEG / H.264	N/A
	GV-CA120	0	JPEG / MPEG-4 / H.264	N/A
	GV-CA220	0	JPEG / MPEG-4 / H.264	N/A
	GV-CAW120	0	JPEG / MPEG-4 / H.264	N/A
	GV-CAW220	0	JPEG / MPEG-4 / H.264	N/A
	GV-BX1200 Series	0	JPEG / MPEG-4 / H.264	N/A
	GV-BX1300 Series	0	JPEG / MPEG-4 / H.264	N/A
	GV-BX2400 Series	0	JPEG / MPEG-4 / H.264	N/A
GeoVision	GV-BX3400 Series	0	JPEG / MPEG-4 / H.264	N/A
	GV-BX5300	0	JPEG / MPEG-4 / H.264	N/A
	GV-BL1210	0	JPEG / MPEG-4 / H.264	N/A
	GV-BL2410	0	JPEG / MPEG-4 / H.264	N/A
	GV-BL3410	0	JPEG / MPEG-4 / H.264	N/A
	GV-SD220	0	JPEG / MPEG-4 / H.264	0
	GV-VS14	0	JPEG / MPEG-4 / H.264	0
	GV-Hybrid LPR Cam 10M	0	JPEG / MPEG-4 / H.264	N/A

2. Main System

2.1 Easy Mode to Set Up Panorama View

An easier way to combine videos from multiple cameras into a panoramic view is added in V8.5.5.0. When you have multiple camera views covering areas right next to each other with no overlaps, the Easy Mode allows you to simply place camera views together according to the directions specified.



Figure 1

Note:

- 1. An AVP dongle is required to access the Panorama function.
- 2. Up to 32 camera views can be stitched together to create a panorama view.

- 1. Click the **Configure** button, select **Advanced Video Analysis**, and select **Panorama Setting**.
- 2. Select at least two cameras to be configured and then click the **Configure** button. This dialog box appears.





- 3. Select Easy Mode (Video source must be the same resolution).
- Use the **Source** drop-down list to select the first camera view to be placed in the panorama and click the **Add** [●] button. The first camera view is added to the Preview Window.



Figure 3

5. To add a second camera view, select the camera from the **Source** drop-down list.



6. To place the camera view on the left or right of the first camera view, click the icon and select to place the second view on the **Left** or **Right** of the first view.



Figure 4

- 7. To place the camera view above or below the first camera view, click the [⊥] icon and select to place the second view on the **Top** or **Bottom** of the first view.
- 8. Repeat the steps for any additional cameras.

Note: You will only be able to add additional cameras next to the last camera view added.
For example, when adding a third camera, you can only use the direction buttons 🔄 🛂 in
relation to the second camera. You will not be able to go back and select the first camera.

9. To specify the width and height of the panorama view, click the Customize Resolution
icon, select Enable and type the Width and Height in pixels.

Customize resoluti	ion		
Width Height			
ОК	Cancel		

Figure 5

10. When you finish stitching images, click the **Save Before Exit** button 📓 before exiting.

For more information, see *Panorama View*, Chapter 1, *DVR User's Manual* on the Surveillance System Software DVD.

2.2 Activating VSM by Schedule

You can set a schedule to activate VSM during the specified time periods only.

1. Click the Schedule button, select Schedule Center and select VSM Schedule Setting.



Figure 6

2. To add a new schedule, click the **Add** button 🕒. This dialog box appears.

Setting VSM Schedule	×
Schedule Type	July /10 💌
O Weekly	Mon, Tue, Wed, Thu, Fri 💌
Time	
Start Time	AM 08:00
End Time	PM 17:00
	OK Cancel

Figure 7

- 3. Select to activate VSM on a **Specific Date** or select **Weekly** to set up a weekly schedule.
- 4. Set a **Start Time** and an **End Time**, and they will be applied to the Specific Date or Weekly schedule.
- 5. Click **OK** to add the schedule.

You can add multiple schedules by clicking the Add button and repeating the steps above.



2.3 Backing Up Recorded Files to GV-Backup Center

You can now automatically save a copy of recorded files and system log from GV-System to an offsite location using GV-Backup Center.

Note: This function is only supported in GV-Backup Center V1.1.0.0 or later.

Follow the steps below to connect GV-System to GV-Backup Center:

1. Click the **Network** button and select **Connect to Backup Center**. This dialog box appears.

L	ogin Informat	lion	×
			_
	IP:	_	
	User ID:		
	Password:		
	Port:	30000 Default	
	🗖 Save Pa	Ssword	
	ок	Cancel	

Figure 8

- 2. Type the **IP** address, **User ID** and **Password** of the GV-Backup Center.
- 3. Modify the default **Port** 30000 if necessary and click **OK**. The login information is added.

Connect to Backup Center	X
Connect	Exit User ID admin
4	Advanced Settings

Figure 9

4. Click **Advanced Settings** to specify the interval between each connection retry when connection is interrupted.

Advanced Settings	\mathbf{X}
Connection Broken Retry Interval: 7	
ок	Cancel

Figure 10

5. Click **OK** and click the **Connect** button to connect to GV-Backup Center.

For details on setting up GV-Backup Center, refer to the GV-Backup Center User's Manual.



2.4 Support for Dewarping of 3rd Party Fisheye Cameras

You can now enable dewarping for 3rd party fisheye cameras and access fisheye related functions.

1. Click the **Configure** button, point to **System Configure** and select **Camera Configure**.

Camera Configure	
Camera Name	Camera Lens
Camera 2	Fisheye 🔽
Rec. Control	General Wide Angle IMV1 Panorama Fisheye Contrast 128
	Saturation 128
Motion Detection 9	Hue 128 Default
Sensitivity: /- D Mask Filter: /- E+=	×
🗖 Invoke Alarm: 🕟	
🗖 Invoke to Send Alerts: 🜗	
🗖 Output Module:	
Mod. 1 💌 Pin. 1 💌 🕑	
🖵 Register Motion Event	
Video Lost / Connection Lost	
Mod. 1 💌 Pin. 1 💌	OK Cancel

Figure 11

- 2. Under the **Camera Lens** drop-down list, select **Fisheye** and click **OK**.
- 3. To dewarp the live view of the 3rd party fisheye camera, right-click the live view, select the camera number and click **Fisheye**.

4. To access fisheye related functions, right-click the live view and select **Fisheye Option**.



Figure 12

For details, see *Fisheye View*, Chapter 3, *DVR User's Manual* on the Surveillance System Software DVD.

2.5 Support for Advanced Single Camera Tracking with GV-SD200

GV-SD200 now supports the Advanced Single Camera Tracking function, which can track a moving object using only one PTZ camera.

Note: The Advanced Single Camera Tracking function can only be enabled for one GV-SD200 at a time and cannot be applied to other PTZ cameras.

Before setting up the Advanced Single Camera Tracking function, you must first enable the PTZ function.

 Click the Configure button, point to Accessories, select PTZ Device and select PTZ Device Setup.

PTZ Device Setup	
PTZ Control	
ОК	Cancel

Figure 13

2. Click the *terminal* button and select **Enable Object Tracking**.



Figure 14

 To set up the Advanced Single Camera Tracking function, click the Configure button, point to Video Analysis, select Object Tracking Application, and select Object Tracking Setup.

For details, see *Advanced Single Camera Tracking*, Chapter 3, *DVR User's Manual* on the Surveillance System Software DVD.

3. ViewLog

3.1 Idle Protection in ViewLog

You can enable the Idle Protection function in ViewLog and the system will exit ViewLog after the user remains inactive over the specified time period.

Note: The Idle Protection function in ViewLog is disabled by default.

1. In ViewLog, click the **Setting** button.

System Configuration
Play Setting Display Database / Cache Quad View Thumbnail View
General Play Method
Audio de-noise
Auto play next event
Auto switch to full screen for playback
Auto play the latest event when Viewlog starts
Default view mode when Viewlog starts
View mode : Single View 🗸
Auto close when Viewlog is idle
Idle Time : 30 Seconds
OK Cancel

Figure 15

- Select Auto close when ViewLog is idle to enable the function, and specify an Idle Time between 10 and 300 seconds. ViewLog will be closed when the user remains idle longer than the idle time.
- 3. Click **OK** to apply the settings.



3.2 Smooth Playback in ViewLog

Previously, video recorded with 30 frames per second may still appear choppy because the 30 frames are not evenly distributed during one second. To enhance smoothness in ViewLog playback, the **Smooth playback** function is added to place each frame evenly apart.

Note: When Smooth playback is enabled, ViewLog will always play 30 frames in each second regardless of the actual frame rate of the recorded video. As a result, videos with frame rate under 30 fps will appear to be fast forwarded and videos above 30 fps will appear to play back in slow motion.

To enable Smooth playback in ViewLog, click the button in the bottom-right corner and select **Smooth playback**.



Figure 16

3.3 New Maps Added for GPS Tracks Playback

In additional to the existing maps, you can now play back GPS tracks from devices in two new maps: **Google Map V3** and **OpenStreetMap**.

To access the new maps:

1. In ViewLog, click the **Tools** button and click **Select MAP API**. This dialog box appears.

GIS	
Please enter the map authorization key or lice	nse key
Please enter the website of the Map API	
Maps.google.com/maps	default (?)
Please select a Map API	ОК
Google Map V3	 Image: Image: Ima
Google Map V2	Cancel
Microsoft Virtual Earth	
OpenStreetMap	=
Google Map V3	
User defined	×

Figure 17

- In the Please select a Map API drop-down list to access the two new maps, Google Map V3 or OpenStreetMap.
- 3. Click OK.

For details, see *GPS Tracks Playback*, Chapter 4, *DVR User's Manual* on the Surveillance System Software DVD.



4. GeoVision Skype Video Utility

The GeoVision Skype Video Utility allows you to receive live view or text notifications through a Skype account using a PC or mobile device upon motion detection or input trigger. You will need to install Skype on the computer of the GV-System, and the notifications can be sent to other Skype accounts.



Note: Audio function is not supported in GV-Skype Video Utility.

4.1 Installing GV-Skype Video Utility

- 1. Insert the Surveillance System Software DVD to your computer. It runs automatically, and a window appears.
- 2. Click Install V8.5.5.0 System.
- 3. Select **GeoVision Skype Video Utility**, and follow the on-screen instructions.

Note: Before running the utility, log in to your Skype account and GV-System.

- 4. Double-click the **GV-Skype Video Utility.exe** icon on the desktop. The utility begins to connect to Skype.
- 5. A dialog box appears on your Skype. Click **Allow access**.

5	Help				
			₹	GV-Skype Video Utility.exe wants to use Skype (Allow access) (Deny access)	۲
	Skype Home	Profile			

Figure 19

After connected to Skype successfully, the GV-Skype Video Utility will minimize to system tray.

4.2 Setting Up Notifications Upon Motion or I/O Trigger

Right-click the GV-Skype Video Utility icon Click Settings. This dialog box appears.

Settings

 General
 Add to Startup

 Cameras
 Input 1

 Image: Module 1
 Image: Cameras

 Image: Module 1
 Image: Cameras

 Image: Module 1
 Image: Cameras

 Image: Cameras
 Image: Cameras

Figure 20



- 2. The General setting page offers the following options:
 - Add to Startup: Click Enable to automatically run GV-Skype Video Utility at windows startup.
 - Administrator Password: Click Enable to require password to log in and out of GV-Skype Video Utility.
- 3. To send camera live view or notification message to Skype accounts upon motion detection, expand the **Cameras** list and select a camera. This dialog box appears.

Settings	
General Camera S Camera 1 Camera 2 Camera 3 Camera 4 Camera 4 Camera 4	 Push Video to SKYPE user Enable Alert Interval minutes Push Video to SKYPE user domoariperro Send SKYPE Message Enable chpstcks domoariperro Add Delete Alert Interval minutes Message Camera 1 Motion Detected
	OK Cancel

Figure 21

- 4. To send live view from the selected camera to a Skype account upon motion,
 - a. Select Enable under Push Video to Skype User.
 - b. Set an Alert Interval to specify the minimum time between each notification.
 - c. Use the drop-down list to select a Skype user to send live view.

Note:

- 1. GV-Skype Video Utility can only send camera live view to one Skype account at a time.
- 2. The received camera live view will be displayed in Skype's default resolution.

- 5. To send a notification message to multiple Skype accounts upon motion,
 - a. Select Enable under Send Skype Message.
 - b. Use the **Skype User** drop-down list to select the recipient of the message and click the **Add** button. Repeat for any additional recipient.
 - c. Set an Alert Interval to specify the minimum time between each notification.
 - d. Type a notification message up to 255 characters.
- 6. To send camera live view or notification message to Skype accounts upon input trigger, expand the **Module** list and select an input device. This dialog box appears.

Settings	
General General Generas Module 1 Generas Input 1 Generas Input 2 General Input 2 General Input 2 General Input 3 Generas Input 4	Push Video to SKYPE user Enable Alert Interval Push Camera 5 minutes Push Video to SKYPE user domoariperro Image: Send SKYPE Message Image: Send SKYPE Message
	OK Cancel

Figure 22

- 7. To send live view to a Skype account of a camera upon input trigger, follow step 4 and use the **Push Camera** drop-down list to select a camera for sending live view.
- 8. To send a notification message to multiple Skype accounts upon motion, follow step 5.
- 9. Click **OK** to apply the setting.



After setup is completed, the designated Skype user will see a notification message, as well as an incoming call to receive live view upon motion detection or input trigger.



Figure 23

Click the **Answer** button to receive camera live view. When you finish watching the live view, click the red phone button to end the video call.



Figure 24

Note: If the incoming call is not picked up, the Skype user will see a missed call record in the call history.

5. Center V2

5.1 Longer Video Attachment from the Subscriber

The Center V2 now can receive up to 15 minutes of pre-event recordings and post-event recordings separately from a subscriber. The longer video attachment provides the Center V2 administrator more information of what happens before and after an event is triggered.



To access this feature:

- 1. In the Address Book, select a subscriber and click the **Subscriber Setting** icon **P**. The Subscriber Setting dialog box appears.
- 2. Select Attachment Mode and click Settings. The Record Settings dialog box appears.
- In the Subscriber's Recorded Files section, select the desired event type, click the Pre-Event Attachment and/or Post-Event Attachment column, and select the number of clip files to be attached with a notification message.

Record Settings - Attachment	Mode			
Record Option (per camera) —				
Pre-Rec Total Frames:			10 🛟	0
Pre-Rec Frames/Sec. Limitation	1:	Ē	2 🌲	
Motion Frames/Sec. Limitation:			5	n
Pocording Quality		L	blanna al	~
Recording adaily.			Normai	
Attachment Option (Record by M	otion)			
Max. Video Clip:	[30 😂	Sec.	
Poet Per Motion:	l l	10	Cor	
FOSEREC MOUDIL	l	10	oet.	
Alerts Interval:	l	10 😂	Min.	
Attachment Option (Record by I/	D Trigger)			
Max. Video Clip:		60 🛟	Sec.	
Post-Rec Motion:		10 😭	Sec.	
Alexie Internet	L L	10	Min	
		10 🔽	WITT.	
Subscriber's Recorded Files				- 🛄
Event Type	Pre-Event Att	Post-E	ent At	
Motion] 15	15		
🔲 I/O Trigger	0	0		_
Scene Change	0	0		- 1
Note: Up to 15 minutes of pre-e	vent or post-event	recordin	a can be	
attached.				
Default	ОК		Cance	el

Figure 25

Note: The maximum of 15 minutes of pre-event and post-event recordings can be sent respectively. If the GV-System host records 5 minutes for every file and you set up 15 clip files for pre-event recording, you can only receive 3 clip files instead.

On the Event List, you can see the message **Record file of Camera x. [Pre-Event Attachment]** for pre-event recording and message **Record file of Camera x. [Post-Event Attachment]** for post-event recording. Double-click the message to play back the video instantly.

	1	Motion	Camera 1 detected motion	1/10/2003 5:12:11 PM	1/10/2003 5:12:11 PM
	1	Motion	Camera 1 detected motion	1/10/2003 5:12:35 PM	1/10/2003 5:12:35 PM
U	1	Attachment	Record file of Camera 1. [Pre-Event Attachment]	1/10/2003 5:13:28 PM	1/10/2003 5:08:48 PM
	1	Motion	Camera 1 detected motion	1/10/2003 5:13:34 PM	1/10/2003 5:13:34 PM
	1	Motion	Camera 1 detected motion	1/10/2003 5:14:11 PM	1/10/2003 5:14:11 PM
	1	Alarm	There isn't enough space for recording!	1/10/2003 5:14:12 PM	1/10/2003 5:14:12 PM
	1	Motion	Camera 1 detected motion	1/10/2003 5:14:23 PM	1/10/2003 5:14:23 PM
	1	Metien	Comore d'eleterte el motion	1/10/2003 5:15:02 PM	1/10/2003 5:15:02 PM
U	1	Attachment	Record file of Camera 1. [Post-Event Attachment]	1/10/2003 5:15:17 PM	1/10/2003 5:14:09 PM
	1	AIGUIT	mere isin cenough space for recording:	1/10/2003 5:15:21 PM	1/10/2003 5:15:21 PM
	System	System	Stop Service	1/10/2003 5:15:33 PM	

Figure 26

Note: The feature is also supported by Dispatch Server. On the Dispatch Server, the administrator can also set up the maximum of 15 minutes of pre-event and post-event recordings separately for the Center V2's subscribers. The settings on the Dispatch Server will override the settings on the Center V2 servers when the Dispatch Server distributes the subscribers to different Center V2 servers.

5.2 Video Watermarking

The Center V2 now can embed digital watermarks in video streams to prevent the recording from being tampered. The watermarks are encrypted and embedded in video streams during the compression stage, protecting the video from the moment of creation. Using **Watermark Proof**, a watermark-checking program, you can verify the authenticity of the recording before presenting it in the court.

5.2.1 Activating Watermark Protection

On the main screen, click the **Preference Setting** button, select **System Configure**, click the **Record** tab and select **Use Digital Watermark Protection** to enable the function.

Preference		
General Layout Network Record		
	🔽 Recycle	
Path	Free size	Storage
D:\CenterV2\Data	1.33 GB	Storage 1
-		
Enlarge path threshold:	500	MB
🗹 Keep days:	30	
Enlarge recycle threshold:	800	MB
Use Digital Watermark Protection		
	0	K Cancel

Figure 27

For details on recording, see 1.7 Recording, and for details on storage settings, see *Recording Setting*, 1.15 System Configuration, Chapter 1, V8.5.5.0 GV-CMS Series User's *Manual* on the Surveillance System Software DVD.



5.2.2 Running Watermark Proof

- 1. Locate and run WMProof.exe in the Center V2 folder.
- 2. In the Watermark Proof window, click **File** from the menu bar, select **Open** and locate the recorded file (.avi). The selected file is then listed on the window. Alternatively, you can drag the file directly from the storage folder to the window.

Note: The default path of recorded files is :\\Center V2\Data\subscriber\Live

3. If the recording is unmodified, a check mark will appear in the **Pass** column. On the contrary, if the recording is modified or does not contain watermark during recording, a check mark will appear in the **Failed** column. To play the recording, double-click the listed file on the window.



Figure 28

5.3 Displaying Event List on Another Monitor

In the Center V2 Profession version, you can monitor different types of events shown in different tabs. Now, you can even assign a particular event type to display on another monitor screen. Right-click the desired event tab, select **Display on Another Monitor** and select a monitor for immediate display.

E	ver	nt L	ist								X
	7		0	ID	Туре	Message		Mess	age Time	Start Time	^
0	<u> </u>		U	1	Attachmen	t Record file of Camera 1. [Live]	1/10/2003	11:35:59 AM	1/10/2003 11:35:54 AM	
6	×		U	1	Attachmen	t Record file of Camera 1. [Live]	1/10/2003	11:36:09 AM	1/10/2003 11:35:59 AM	
6	\leq		U	1	Attachmen	t Record file of Camera 1. [Live]	1/10/2003	11:36:21 AM	1/10/2003 11:36:10 AM	I 🗸
	- 1	AII		System	Motion Trig	ger Connection Alarm	Login/Logout Atta	chment Wiegand Data Devic	e Lost Offli	ne Event Customi 🔦	< >
For	Help	clic	Hal	n Topics on the	e Help Menu			Display on Another Monitor			





6. VSM

6.1 Minimum Duration for Motion Detection and Video Lost

Now you can minimize the false alert by setting up the minimum duration for **Motion Detection** and **Video Lost** events to persist before an alert is triggered. For example, the outdoor scenes are prone to flying insects. You can set up the minimal time period that a motion must persist before any alert is triggered. Or when any channel on the GV-System host is likely to display "video lost" or "connection lost", you can set up the minimal duration before any alert is triggered. The alert action includes invoking computer alarm, activating an output device, sending e-mail and/or sending SMS.

Select the option and click the **Edit** button to type the minimum duration. The default is 3 seconds.

Alarm Settings			? 🛛
Free storage space is low	~	Alert Approach	
Keep days of video log is low		Invoke Alarm: Siren	\$ \$ \$
Stop all cameras monitoring			
Stop I/O Monitoring		Output Module: Mod. 1	Y Pin. 1
Subscriber Login			
Subscriber Logout		Send E-Mail Alerts:	Edit
Login Fail in Surveillance System			
Start Monitoring All Type Events		Send SMS Alerts:	Edit
Stop Monitoring All Type Events		Minimum Duration	Edit
Wait-Time Expired			
Camera Motion		Text Format of SMS	
Temperature Alarm		ASCII OUnicode	
The POS is online.	~		Cancel

Figure 30

For details on the Alarm Settings, see *1.16 Notification Settings*, Chapter 1, *V8.5.5.0 GV-CMS Series User's Manual* on the Surveillance System Software DVD.

6.2 Counter Alarm

When the GV-System subscriber applies the Object Counting function, the VSM operator now can be notified when the count exceeds your defined number. Select **Counter Alarm** and specify a count result (In number – Out number).

General Camera System Information Image: Notify Vital Sign Monitor of the monitoring status Image: Notify Vital Sign Monitor based on the following events Image: Camera 1 Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notify Vital Sign Monitor based on the following events Image: Notif	Advance Settings		×
Image: Second	General Camera System Information		
Image: Commerce in the constraint of the monitoring status Camera 1 Image: Commerce in the collowing events Event Event Type Motion Emergency Motion Emergency Missing Object Emergency Unattended Object Emergency Scene Change Emergency Wideo Lost Emergency Counter Alarm Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Mathematical Scene Change Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Outlet Alarm (In - Out): 100			
Camera 1 Image: Comparison of the following events Event Event Type Motion Emergency Intruder Emergency Missing Object Emergency Unattended Object Emergency Scene Change Emergency Wiegand Data Emergency Video Lost Emergency Counter Alarm Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Motion Emergency Motion Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Motion Emergency Motion Emergency Advanced Missing Object Detection Emergency Motion Emergency Motion Emergency Motion Emergency <td>✓ Notify Vital Sign Monitor of the monitoring status</td> <td></td> <td></td>	✓ Notify Vital Sign Monitor of the monitoring status		
Camera 1 Image: Comparison of the following events Event Event Type Motion Emergency Intruder Emergency Missing Object Emergency Vinattended Object Emergency Scene Change Emergency Wiegand Data Emergency Video Lost Emergency Counter Alarm Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100			
Notify Vital Sign Monitor based on the following events Event Event Type Motion Emergency Intruder Emergency Missing Object Emergency Unattended Object Emergency Scene Change Emergency Wiegand Data Emergency Video Lost Emergency Counter Alarm Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100	Camera 1 💽 🛃		
Event Event Type Motion Emergency Intruder Emergency Missing Object Emergency Viatended Object Emergency Scene Change Emergency Video Lost Emergency Counter Alarm Emergency Counter Alarm Emergency Advanced Unattended Object Detection Emergency Advanced Missing Object Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100	Notify (ital Sign Manitar bacad on the following ave	nto	
Event Event Type Motion Emergency Intruder Emergency Missing Object Emergency Unattended Object Emergency Scene Change Emergency Wiegand Data Emergency Video Lost Emergency Counter Alarm Emergency Crowd Detection Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100	Notily vital sign Monitor based on the following eve	1115	
Motion Emergency ✓ Intruder Emergency ✓ Missing Object Emergency ✓ Unattended Object Emergency ✓ Scene Change Emergency ✓ Wiegand Data Emergency ✓ Video Lost Emergency ✓ Counter Alarm Emergency ✓ Crowd Detection Emergency ✓ Advanced Unattended Object Detection Emergency ✓ Advanced Scene Change Detection Emergency ✓ Advanced Missing Object Detection Emergency ✓ Advanced Missing Object Detection Emergency ✓ Counter Alarm (In - Out): 100	Event	Event Type	
Intruder Emergency Missing Object Emergency Unattended Object Emergency Scene Change Emergency Wiegand Data Emergency Video Lost Emergency Counter Alarm Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100	Motion	Emergency	
✓ Missing Object Emergency ✓ Unattended Object Emergency ✓ Scene Change Emergency ✓ Wiegand Data Emergency ✓ Video Lost Emergency ✓ Counter Alarm Emergency ✓ Crowd Detection Emergency ✓ Advanced Unattended Object Detection Emergency ✓ Advanced Scene Change Detection Emergency ✓ Advanced Missing Object Detection Emergency ✓ Advanced Missing Object Detection Emergency ✓ Counter Alarm (In - Out): 100	Intruder Intruder	Emergency	
☑ Unattended Object Emergency ☑ Scene Change Emergency ☑ Wiegand Data Emergency ☑ Video Lost Emergency ☑ Counter Alarm Emergency ☑ Crowd Detection Emergency ☑ Advanced Unattended Object Detection Emergency ☑ Advanced Scene Change Detection Emergency ☑ Advanced Missing Object Detection Emergency ☑ Advanced Missing Object Detection Emergency ☑ Counter Alarm (In - Out): 100	Missing Object	Emergency	
Scene Change Emergency Wiegand Data Emergency Video Lost Emergency Counter Alarm Emergency Crowd Detection Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100 OK Cancel	🗹 Unattended Object	Emergency	
Wiegand Data Emergency Video Lost Emergency Counter Alarm Emergency Crowd Detection Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100 OK Cancel	🗹 Scene Change	Emergency	
Video Lost Emergency Counter Alarm Emergency Crowd Detection Emergency Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100 OK Cancel	🗖 Wiegand Data	Emergency	
Counter Alarm Emergency Advanced Unattended Object Detection Advanced Scene Change Detection Advanced Missing Object Detection Counter Alarm (In - Out): 100 OK Cancel	Video Lost	Emergency	
Crowd Detection Advanced Unattended Object Detection Advanced Scene Change Detection Advanced Missing Object Detection Counter Alarm (In - Out): 100 OK Cancel	🗹 Counter Alarm	Emergency	
Advanced Unattended Object Detection Emergency Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100 OK Cancel	Crowd Detection	Emergency	
Advanced Scene Change Detection Emergency Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100	Advanced Unattended Object Detection	Emergency	
Advanced Missing Object Detection Emergency Counter Alarm (In - Out): 100 OK Cancel	Advanced Scene Change Detection	Emergency	
Counter Alarm (In - Out): 100	Advanced Missing Object Detection	Emergency	
Counter Alarm (In - Out): 100			
Counter Alarm (In - Out): 100 OK Cancel			
	Counter Alarm (In - Out): 100		
OK Cancel	obaliter Alarin (in our). 100		
OK Cancel			
OK Cancel			
OK Cancel	J		
			OK Cancel

Figure 31

The VSM will be notified when the count result exceeds the defined number.

		oyotom	stop an cameras monitoring		1012012 010012111
\bowtie	1	System	Start all cameras monitoring	7/6/2012 6:04:23 PM	7/6/2012 6:04:23 PM
\bowtie	1	System	Stop all cameras monitoring	7/6/2012 6:06:43 PM	7/6/2012 6:06:43 PM
	1	System	Start all cameras monitoring	7/6/2012 6:07:40 PM	7/6/2012 6:07:40 PM
	1	Alarm	Counter Alarm [Camera 1: 15]	7/6/2012 6:08:01 PM	7/6/2012 6:08:01 PM
\bowtie	1	Login/Logout	Logout	7/6/2012 6:08:48 PM	
\bowtie	1	Login/Logout	Login	7/6/2012 6:08:56 PM	
\bowtie	1	System	Start Monitoring All Type Events	7/6/2012 6:08:56 PM	7/6/2012 6:08:56 PM

Figure 32

For details on the Advanced Settings, see *3.6.1 Advanced Setting for Subscription*, Chapter 3, *V8.5.5.0 GV-CMS Series User's Manual* on the Surveillance System Software DVD.