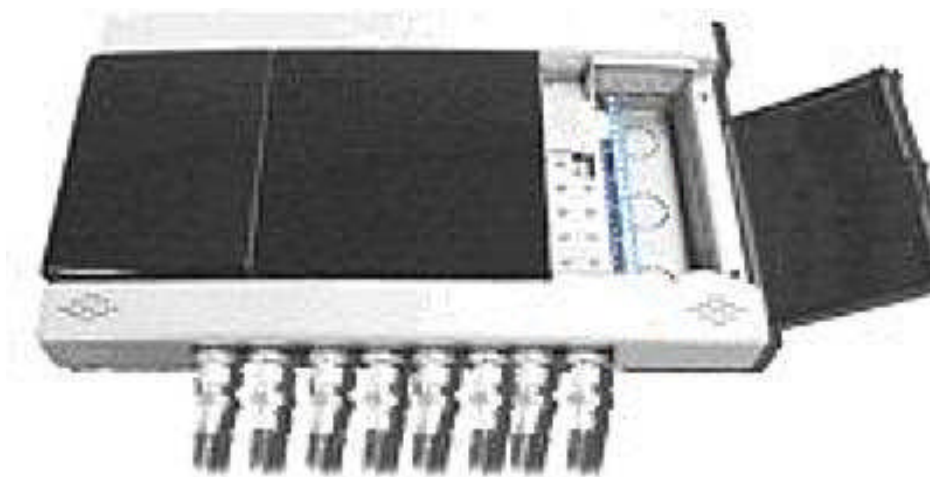


GH-868 Security Video and DVR Integration System

User Manual



Contents

□□Special notes□□	3
1. Product overview.....	3
1.1 Basic functions	3
1.2 Specification.....	5
1.3 Basic configuration	6
1.4 Appearance.....	7
1.5 LED indicator	7
2. Getting started	8
2.1 Alarm start up.....	8
2.1.1 AWAY alarm mode.....	8
2.2.2 HOME alarm mode.....	9
2.2.3 24-hours alarm	10
2.3 Alarm relieve	11
2.4 Activities after warning	12
2.5 Proactive notifications	12
2.6 Remote monitoring function	14
2.6.1 Switch display by remote control.....	15
2.6.2 Camera remote control.....	16
2.7 Remote start up.....	17
2.7.1 Bi-directional conversation	17
2.7.2 GH-952 Siren control	18
2.7.3 Light switch and peripheral electric devices control.....	18
3. SMS description	18
Appendix 1: The GH-868 sensor peripherals.....	21
Appendix 2: Log for user settings	23

□ □ **Special notes** □ □

1. The PIN code protection for SIM card in GH-868 must be turned off. If the SIM card has default PIN code provided the carrier please disable the PIN protection function with any mobile phone before inserting it into the GH-868.
2. Please do not disable or cancel the voice mail function of the SIM card for your GH-868 system.

1. Product overview

1.1 Basic functions

- **Remote monitoring:** Users of the GH-868 system can access it by dialing a 3G video phone call anywhere anytime to view images captured by CCD cameras of the system. The GH-868 system is featured with 8 BNC ports for CCD cameras. The conveniences, mobility, and activeness of the total monitoring system can be strengthened by serial connecting market available DVR monitoring systems without any impacts to existing ones. The existing alarm systems can avoid false alarms from happening by serial connecting market available alarming systems have better visual without any impacts to existing ones.
- **Monitoring and tracking:** Users of the GH-868 system will be notified of any intrusion detected by it. Monitors on site will be switched in sync for tracking the intruders' movements without any loss.
- **Switch of image screen:** Users of the GH-868 system can switch the screen to specified camera by specifying the IP address of desired monitors from their handsets.
- **Locking of image screen:** Users of the GH-868 system can lock desired screen during monitoring to prevent it from being overlapped by image triggered by later events.
- **PTZ camera control:** Users of the GH-868 system can control its PTZ camera with handset for panning, zooming, and tilting movements.
- **Security alarming:** Sensors connected to the system can trigger the system for alarming notification in sequence of photo taking and filing, SMS sending, video phone call dialing as well as sending the corresponding screen images of the triggering event to pre-defined mobile phones. Differing from conventional alarming systems' voice, SMS, or email notification to pre-defined users for detected incidents this system

continues sending live images when notifying defined users. This enables users to get up-to-minute event status such that the most appropriate operations can be taken and damages can be reduced to the minimum.

- **Protection districts:** there can be 8 protection districts with each one being secured by one wireless protection area and one wired protection circuit accompanied with one camera.
- **Password protection:** one password for securing the functions of setup and remote monitoring.
- **Notification telephone:** There can be up to 8 user telephones and 1 installer telephone for remote set up.
- **Alarm mode:** the four alarm modes are described below:
 - ✧ **Whole area alarm:** This is the so-called out-of-town alarming. When users are out of town or away from protection area: go to work and traveling, and there is no one on-site for close watching then this mode should be started to keep intruders away and detect and protect houses and properties.
 - ✧ **Partial alarm:** This is the so-called HOME protection. When there is people on site the partial alarm mode should be employed. Users of the system can select desired district(s) out of the pre-defined 8 zones.
 - ✧ **24 hours alarm:** once there are incidents of fire, emergency help, medical help, equipment damage the GH-868 system, under any mode, will alarm and notify defined personnel immediately (except when in test mode)
 - ✧ **Relieve alarm:** return the system from any alarm mode back to ready mode. The VG-868 system may not send any notification message and alarming sounds when sensors or detectors are triggered by external events. (With exception of those 24-hour sensors.)
- **Alarm status:** there are 5 types of alarms: intrusion, fire, emergency, medical and damage.
- **Delay alarm mode:** after alarming mode is started users are required to get away from the defined protection area in given delay time. If delay interval is set to zero then it alarms once triggered by sensors. (The system alarms as soon as the trigger signals from sensors are received when there is no delay interval.)
- **Handset controls:** Your handset may start or stop system functions: whole area alarm, relieve alarm, relieve warning, light control, alarm speaker lifting.
- **System failure SMS:** In case of system failure the 3G communication and memory card status will be notified with SMS.

- **Function setup:** functions of the GH-868 system are set up by SMS or MMI through handset. You can change and view system settings in the same way. The setup value will be sent back to users by reply SMS automatically. Installation service provider can do the setup work in exactly the same way.
- **Phone number identification:** You can dial in the GH-868 system only with phone numbers registered by the GH-868 system in advance.
- **Dual direction monitoring:** external microphone and speaker are available for monitoring and dual-direction conversation.
- **Periodic auto start up:** the GH-868 system can be set up to auto start up and auto stop at pre-defined time.
- **Communication network detection:** the GH-868 system can auto detect current communication network and inform the system user with SMS when it is changed.
- **Anti sabotage:** the GH-868 system is featured with internal protection function that will inform the system user with SMS when there is sabotage encountered.
- **Warning sounds:** the GH-868 system will send beep signals in cases like whole and partial alarm enabling, alarm relieving, and alarm occurring. It will sound warning signals when there are incidents encountered. (The accompanying GH-952S/L series products are required.)

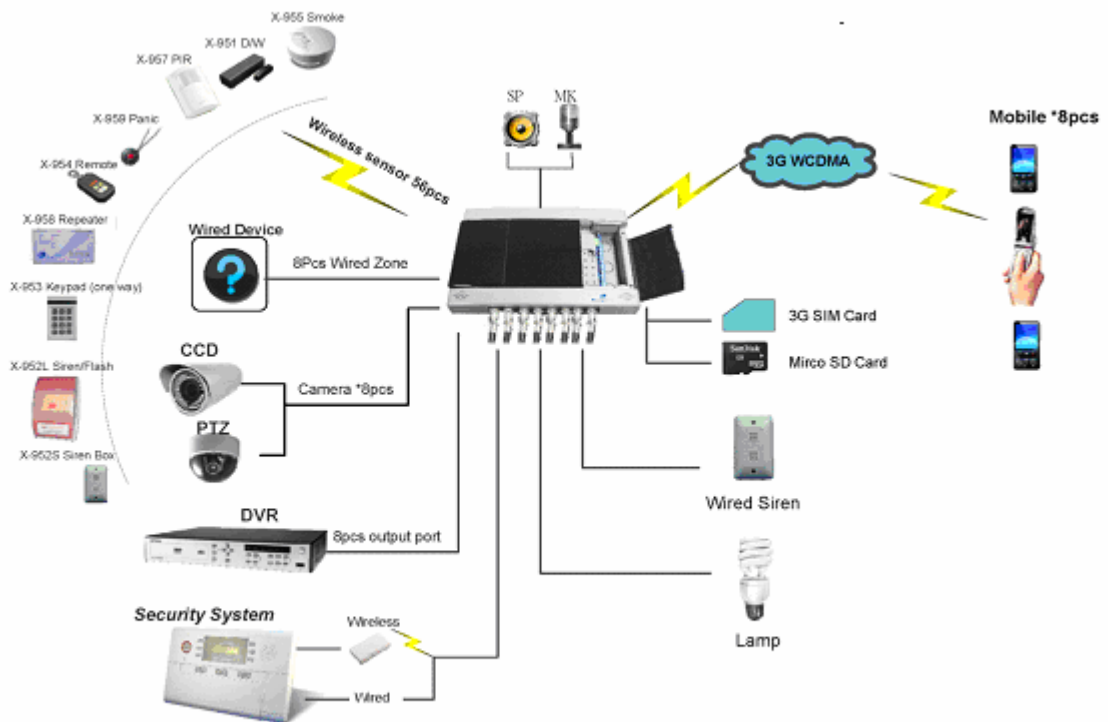
1.2 Specification

- **Peripherals:** support up to 56 wireless sensors and 8 wired devices.
- **Accessories:** Please refer to appendix 1.
- **Camera Port:** NTSC/PAL support BNC connectors for up to 8pcs CCD and one PTZ cameras.
- **DVR Port:** 8 BNC output ports.
- **Anti-theft equipments:** the GH-868 system is capable of serial connecting with third party anti theft hosts.
- **Speaker:** external speaker with length of extension line up to 20 meters.
- **Microphone:** external microphone with length of extension line up to 20 meters.
- **Relay:** two relay outputs for buzzer and light.
- **Input power:** 12V DC
- **Backup battery:** rechargeable battery of 7.2v; 2000mAh
- **Communication mode:** 3G WCDMA
- **Memory card:** MicroSD for video and picture storage with capacity from 512MB to

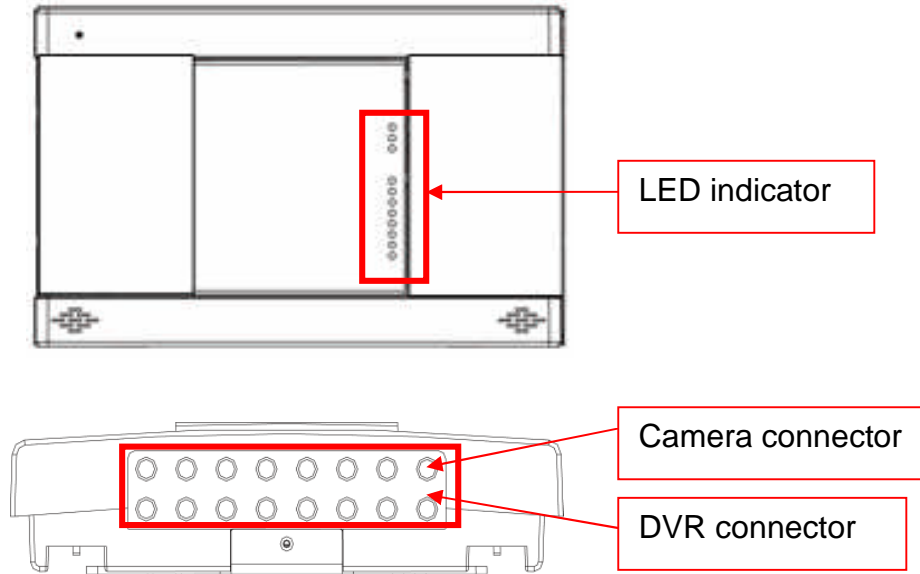
4GB.

- **Picture format:** 640×480 JPEG
- **Dynamic storage format:** image storage; 144×172 MP4 (time/capacity: 10 sec → 83.5 KB; 1 min → 500 KB; 1 hour → 30 MB)
- **Video:** 144×172 QCIF
- **3G antenna:** external antenna extendable to 1 meter.
- **Effective range of wireless sensors:** around 300 meters without obstacles (300 meter at 868MHz and 30 meters at 430MHz)
- **Dimension:** L:25.1cm × H:6.2cm × W:15.9cm
- **Weight:** 850g

1.3 Basic configuration



1.4 Appearance



1.5 LED indicator

LED indicator		LED	Light status	System status
<ul style="list-style-type: none"> ☐ Power ☐ 3G ☐ ARM ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 	Power LED indicator		Steady light	Normal power supply
			Flash twice in every 10 seconds	Power failure
			Flash triple times in every 10 seconds	Inadequate backup battery power
			Off	Backup battery power exhausted
	3G LED Network Status indicator		Steady light	3G mobile network
			Flash twice in 1 second	2G mobile network
			Fast flash	No mobile network available
	ALARM mode LED indicator		Slow flash	Delayed alarm when out of home
			Flash with medium speed	In house alarm
			Fast flash	Case of host machine being opened
			Steady light	Alarm when out of home
			Off	No alarm
Z1~Z8 LED indicator for alarm districts		Off	No alarm	
		Steady light	Alarm initiated	
		Fast flash	Latest alarm signal or the remote monitoring districts (when there is alarm encountered)	
		Slow flash	Existing alarm signal	

2. Getting started

2.1 Alarm start up

There are three alarm modes available: **AWAY mode (AWAY and whole area alarm)**, **HOME mode (HOME and partial alarm)**, **24 hours alarm mode**. The GH-868 system alarms and notices pre-defined users when triggered by peripherals in alarm districts.

The whole system can be divided into 8 Zone. The system administrator can enable the AWAY and Home alarm modes as desired.

2.1.1 AWAY alarm mode

When users are leaving away from the alarm area (like going to office or away for trip) or when there is no one in the alarm area the “away alarm” mode should be enabled.

In this mode all the sensors registered to the 8 alarm districts are set to alarm ready status. Each sensor will be triggered by detected events to send corresponding signal to the system for processing. (Sensors of model like GH-951 and GH-957 are required.)

Remote initiation

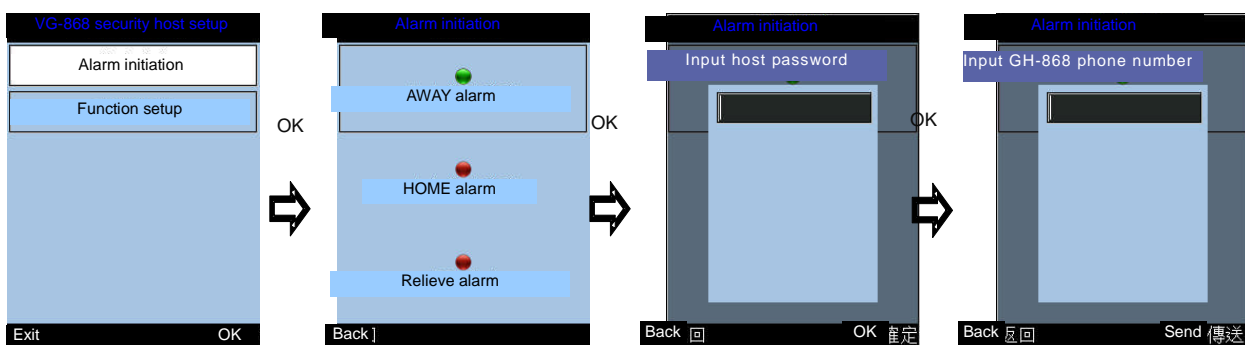
Each of the 8 pre-defined mobile phones (P1~P8) is valid for remote initiating the system. The initiating user (pre-defined mobile phones P2~P8) will be informed by the system with auto SMS for successful initiation. The primary user (P1) will be informed of the fact that the system has been started by specific user.

➤ SMS command: AR1



Prefix the command with your password

➤ Java program initiation



After valid command is received ARM LED indicator starts flashing slowly when the system enters the delay alarm mode. A SMS with contents “AR1” will be replied to the initiator and the primary user concurrently.

Once the delay interval is expired the AWAY Alarm mode starts up immediately and the ARM and Zone LED of 8 Zones light up.

➤ **Initiation by mobile phone**

The AWAY Alarm mode can be initiated with your mobile phone by typing* → 1 during remote video monitoring.

➤ **Initiation by wireless remote controller**

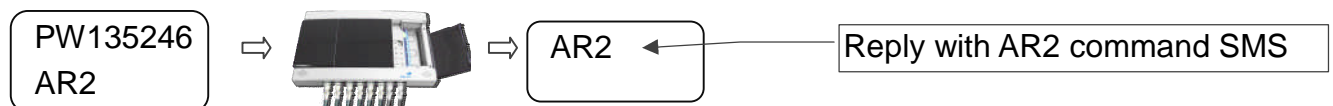
Press key, the LED indicator  turns off after flashing red once.

After valid command is received the ARM LED indicator starts flashing slowly when the system enters the delay alarm mode. Once the delay interval is expired the AWAY Alarm mode starts up immediately and the ARM and Zone LED of 8 Zones light up.

2.2.2 HOME alarm mode

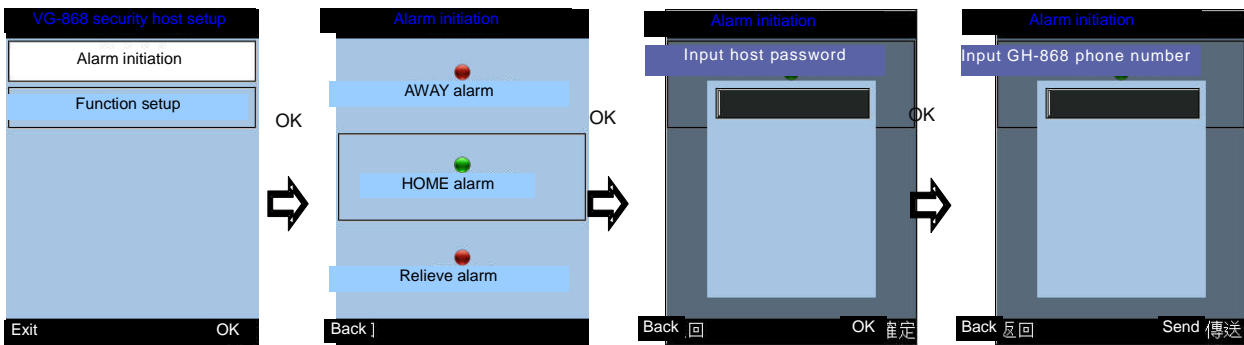
The HOME alarm mode allows users to set up no more than 8 alarm districts at their wishes. Sensors at alarm districts will trigger alerts when abnormal events are detected. Other sensors (excluding 24-hour active sensors) are treated as inactive and can trigger nothing even when abnormality is detected. (Sensors of model like GH-951 and GH-957 are required.)

➤ **SMS command → AR2**



Prefix the command with your password

➤ **Java program initiation**




After valid command is received the ARM LED indicator starts flashing slowly when the system enters the delay alarm mode. A SMS with contents “AR2” will be replied to the initiator and the primary user concurrently.

Once the delay interval is expired the AWAY Alarm mode starts up immediately, the LED of ARM flashes slowly and LED of specific alarm Zone(s) light up.

➤ **Initiation by mobile phone**

The HOME Alarm mode can be initiated with your mobile phone by typing* → 2 during remote video monitoring.

➤ **Initiation by wireless remote controller**

Press  key, the LED indicator turns off after flashing red once.

After valid command is received the ARM LED indicator starts flashing slowly when the system enters the delay alarm mode. Once the delay interval is expired the AWAY Alarm mode starts up immediately, the LED of ARM flashes slowly and LED of specific alarm Zone(s) light up.

2.2.3 24-hours alarm

In whichever alarm modes, even during the delay interval (the interval between alarm started and effected), the GH-868 system will alert the primary and general users when warnings are triggered by sensors of the 24-hour alarm.

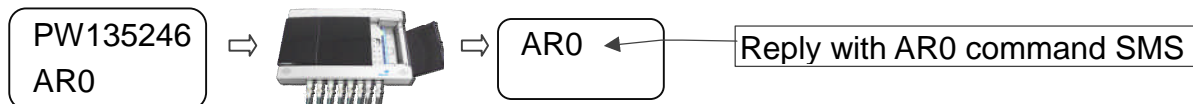
This applies to situations like: TAMPER (system cabinet being opened and is at risk of tampering), PANIC (applies to GH-954 and GH-959 devices for emergency help and outward contacting is required for urgent events at the alarms zone), and fire (GH-955 fire alarm and immediate outward contacts are required).

2.3 Alarm relieve

Restore the GH-868 system from the AWAY or HOME alarms to standby mode. The system takes no action for alarms triggered by sensors (sensors for 24-hour alarm excluded) in standby mode.

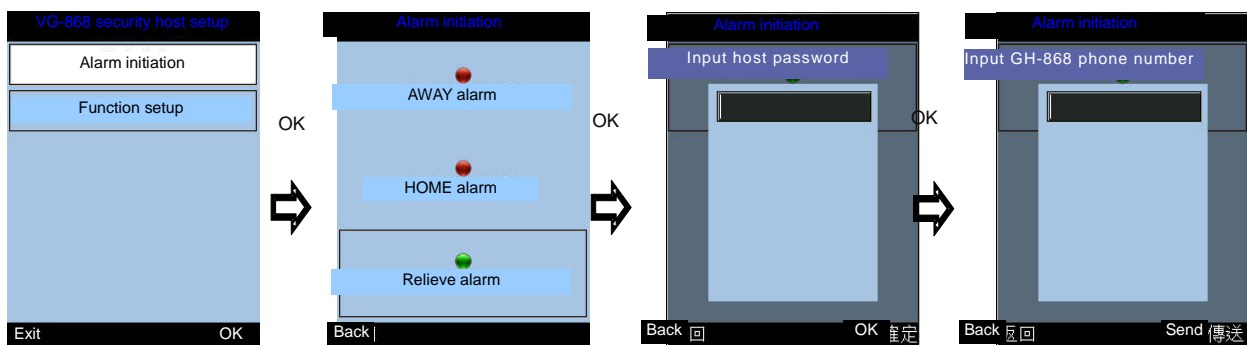
You can disable the alarm function in 4 different ways.

➤ SMS command: AR0



Prefix the command with your password

➤ Java program initiation



After valid command is received the ARM and alarm Zone LED indicator turns off immediately. A SMS with contents “AR0” will be replied to the initiator and the primary user concurrently.

➤ Initiation by mobile phone

Any Alarm mode can be disabled with your mobile phone by typing* → 0 during remote video monitoring. **In process video phone call will be terminated by the system immediately.**

➤ Initiation by wireless remote controller

Press  key, the LED indicator turns off after flashing red once.

After valid command is received the ARM and alarm Zone LED indicator turn off immediately. A SMS with contents “AR0” will be replied to the initiator and the primary user concurrently.

2.4 Activities after warning

When there is warning encountered the camera being triggered takes three photos and stores them in the memory card. When multiple cameras are triggered by one alarm there is only one of them will take 3 shots for the event and store them in memory. The system will then send SMS with built-in text to pre-defined 8 mobile phones and dial cameras in triggered alarm zone to send live images of the site. The LED indicators corresponding to the triggered alarm zone flash rapidly. (See guideline of LED indicators for detail about flashing.)

In addition the system initiates and starts up buzzers and lightings (when there is external light source) for operation.

There are four kinds of warnings as described below:

➤ **Intrusion**

When sensors in alarm zone detect intrusions the system warns and the LED indicators of triggered zones start flashing.

➤ **Fire**

When sensors in alarm zone detect fires the system warns and the LED indicators of triggered zones start flashing.

➤ **Emergency help**

When older and/or encumbered members at home encounter emergency states (like falling off and illness) and need informing other members not at home then you can press the **Emergency help** button to inform pre-defined system users. The same applies when family members are at risk of personal injuries.

➤ **Sabotage to the system and sensors**

When the system and/or sensors are damaged maliciously the system warns immediately.

2.5 Proactive notifications

The system sends notices to users based on notification setting defined for each of them. It sends SMS to each user first then informs with 3G video calls in sequence.

The system calls the primary user (in 3G video) first. After the P1 user answers the video call the notification to the first user is completed. The second user (P2) will not be called.

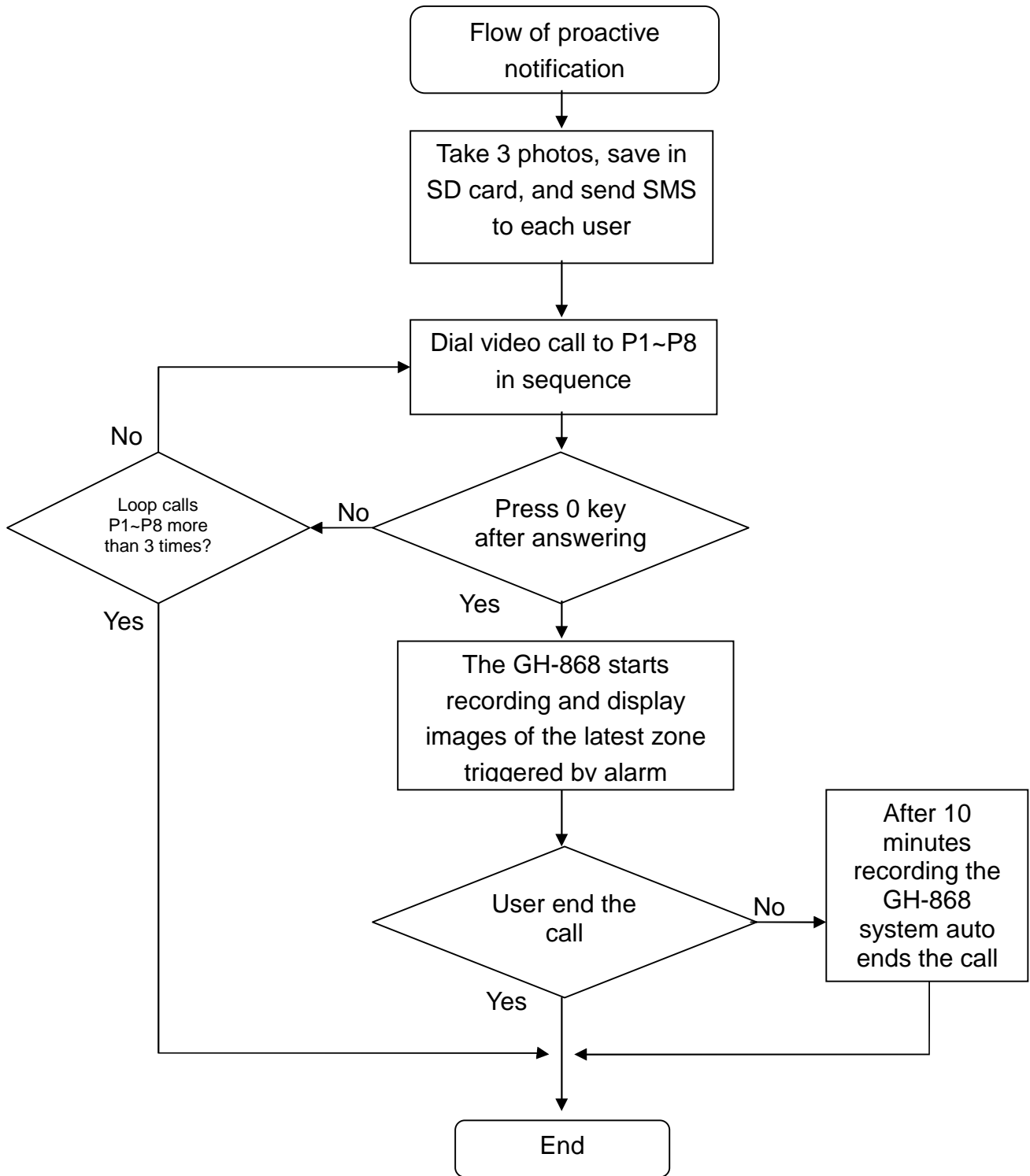
When user P1 fails to answer the video call the system then call the next one. The same process will repeat until the last user.

If the last use still fails to answer the video call from the system the same process will start up again with the primary user. The same process will repeat 3 times before terminate by the system.

When answering the notification video call users must press the "0" key in 20 seconds to confirm the call has been answered. Otherwise the call will be identified by the system as un-answered and start dialing the next user automatically. This will be recorded by the system as evidence.

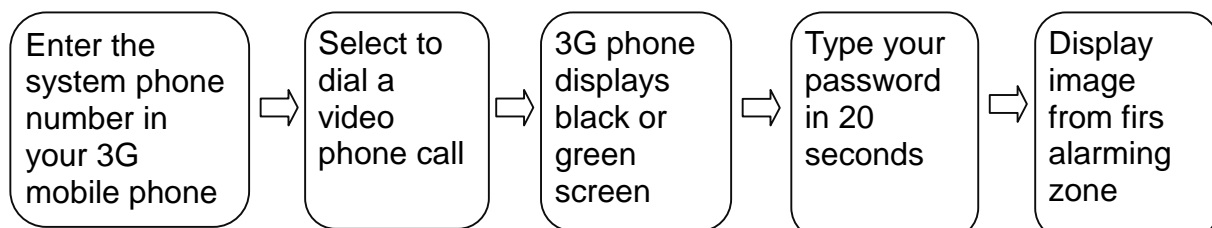
After answering the video call the user's mobile phone displays image from the latest zone being triggered by alarm. Take example. When a second zone is triggered for alarm while the image of first zone is displayed then image of the second zone will be displayed instead of the one of the first zone. (But the video call remains connected.)

In order to avoid false actions from happening image of alarm zone will display on users' handset for each new trigger event for 10 minutes.



2.6 Remote monitoring function

Users P1~ P8 may dial in the system with 3G video call to watch live images of the monitoring system and to do related remote control. See below for operation steps:



The GH868 system may disconnect the line if password is not entered by user in 20 seconds.

In the application of dialing in to watch the first display viewed by user is the image from camera of Zone 1.

In the application of dialing in to watch the display will switch to the alarm zone being noticed by the system. After video phone call is ended the event status triggered recently will be sent to users (in form of SMS) by the system.

The system keeps on recording for another 3 minutes after the call is ended.

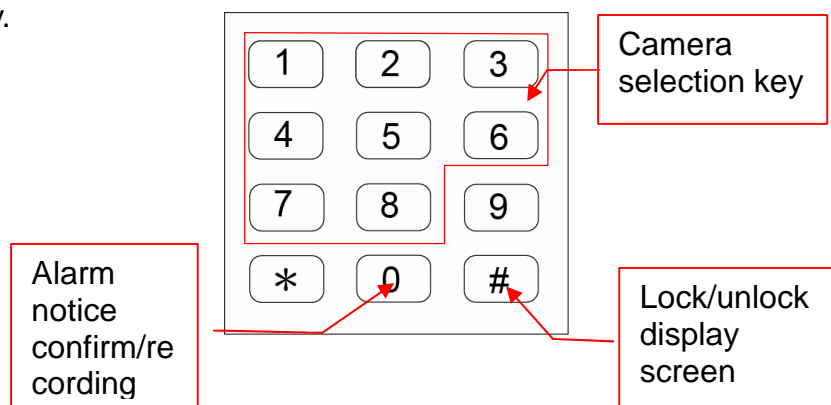
Note:

- Phone call to the system by mobile phones other than that from user P1 ~ P8 will be rejected.
- The video call ends immediately if invalid password is entered. The system will halt for 2 minutes if invalid password is entered incorrectly 3 times in a row. A SMS of password error message will be sent to user P1 and that specific user.
- As the system is already in remote monitoring mode no notification SMS will be sent to users for events triggered earlier when alarms are relieved now.

2.6.1 Switch display by remote control

As being notified by video phone call from the system you may press the # key during image of specific alarm zone is displayed to lock it from being switched to that of another alarm zone. Press the # key again to unlock.

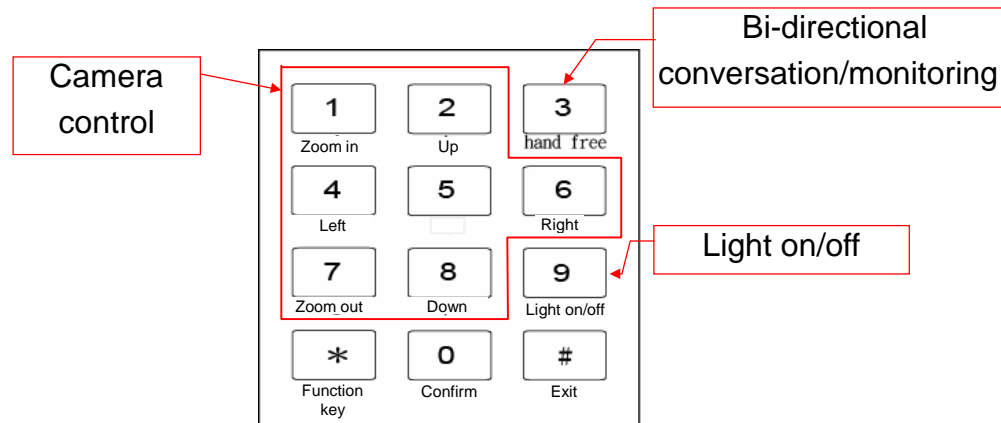
During video phone call (either dials in or out) you may press keys 1-8 to switch the displayed image to corresponding alarm zone 1-8. This enables users to select monitoring screen manually.



Key	Function	Description
1~8	Select camera	Switch to camera 1 ~ 8
0	Confirm alarm notice/start recording	Press 0 key in 20 seconds after being connected
#	Lock/unlock display	Lock and unlock display; enter/exit the camera control mode

2.6.2 Camera remote control

You may control the PTZ camera of each alarm zone with a 3G mobile phone. During a video phone call (either dial in or dial out) the system user may select a desired PTZ camera display and press the “#” key to enter the screen lock mode for remote controlling the camera with his/her handset. Users may use keys 1-2 and 4-8 of their handset as the function keys for camera control and # key as toggle switch for entering and leaving the mode. See below for operation detail:



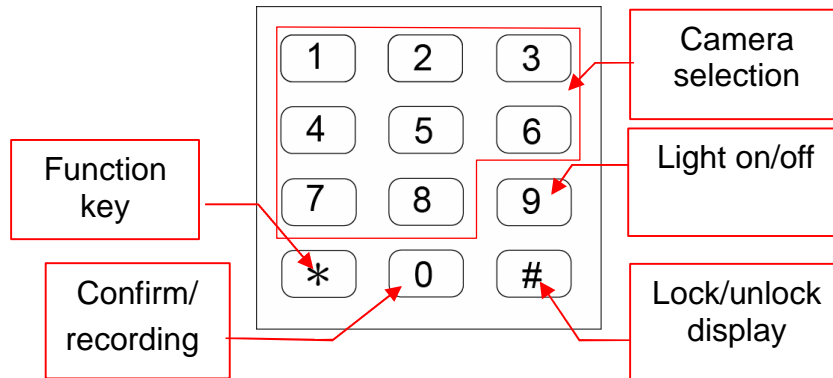
Keypad	Function	Description
1	Zoom In	Zoom in stepwise by pressing this key
2	Upward	Move upward stepwise by pressing this key
3	bi-directional conversation	Toggle switch on and off the for bi-directional conversation and monitoring by pressing the 3 key
4	leftward	Move leftward stepwise by pressing this key
6	rightward	Move rightward stepwise by pressing this key
7	Zoom Out	Zoom out stepwise by pressing this key
8	downward	Move downward stepwise by pressing this key
9	Light on/off	Turn on and off the light
0	Confirm/recording	Confirm the connection; start and stop recording
#	Lock/unlock	Exit the camera lock mode

Note:

Functions for alarm/disarm and switch among alarm zone display are disabled when screen display is locked.

2.7 Remote start up

Users may remote start up and stop the system alarm, buzzer and light functions during video phone call for alarm notification.



Keypad	Function	description
1~8	Camera selection	Select one of cameras 1~8
9	Light on/off	Turn on and off the infra red light
0	Confirm/recording	Press this key in 20 seconds after being connected for confirmation
*	Function key	Multi-function key
* and 1	away	Initiate AWAY mode
* and 2	home	Initiate HOME mode
* and 0	disarm	Start and stop alarm functions
* and 9	Siren off	Disable the Siren
* and 3	bi-directional conversation	
#	Lock/unlock	Entering remote control

Note:

After pressing the * and 0 keys the alarm function is disabled. The Siren, external light (if installed) and in process video phone calls are all disabled at the same time.

2.7.1 Bi-directional conversation

During video phone call users can hear sounds from the alarm site. You may start a bi-directional conversation with the site in two ways.

The first is to press the “ * ” and “ 3 ” key when select desired camera. Press the same two keys again to disable it.

2.7.2 GH-952 Siren control

The system siren beeps the same time when the system alarms. You may press the * “and “ 9 ” keys of your mobile phone to stop the beeping.

The original system alarm mode is not changed when the siren is disabled. The siren will beep again when there is new alarm being triggered by the system.

2.7.3 Light switch and peripheral electric devices control

A 40W light may be connected to the system as described in **Connection of Terminal Panel Lighting**.

Users may press the “9” key to turn on the lights when dial in the system for monitoring. Press key “9” again to turn it off.

The light turns on as soon as the system alarms. You may press the “9” key to turn it off. If the light is not turned off by pressing the “9” key during video phone call it remains on for 3 minutes after the call is ended.

3. SMS description

The alarm SMS can be divided into two groups in accordance with system operations. One is warnings triggered by alarms detected by the system and the other is warnings for system/operation abnormality. Description of message codes and receivers are outlined in table below:

Type	Item	Status	Description	Remark
Warning	1	Zone? Burglary Alarm	Intrusion warning “?” number: for Zone:	Send SMS to each user Inform by 3G video phone call
	2	Zone? Fire Alarm	Fire warning “*” number: for Zone*	Send SMS to each user Inform by 3G video phone call
	3	Panic Alarm	Emergency warning	Send SMS to each user Inform by 3G video phone call

	4	Zone? Tamper Alarm	Tamper warning “*” number: for Zone*	Send SMS to each user Inform by 3G video phone call
Alert	1	Auto Alarm	Auto alarm	Send SMS to users P1 ~ P8
	2	Auto Disarm	Auto Dis-alarm	Send SMS to users P1 ~ P8
	3	AWAY TEL*:0988XXXXXX	AWAY mode; enable whole area alarm “*” number: indicate initiation user P*	For AWAY alarm set up by user P2 ~ P8 send message to users P1 ~ P8
	4	HOME TEL*:0988XXXXXX	HOME mode; enable partial zone alarm “*” number: indicate initiation user P*	For HOME alarm set up by user P2~ P8 send message to users P1~ P8
	5	DIS-ALARM TEL*:0988XXXXXX	Off Mode; disable all the alarms “*” number: indicate initiation user P*	For dis-alarm set up by user P2~ P8 send message to users P1 ~ P8
	6	3G Network Resumes	3G mobile communication system is in use now	Send SMS to user P1 only
	7	Out of 3G Network. Video call can't be used	2G mobile communication system is in use now; video call unavailable	Send SMS to user P1 only
	8	Periodic test report	Periodic feedback signal by system	Send SMS to user P1 only
	9	WRONG PASSWORD TEL*:XXXXXXXXXX	Invalid password “*” number: indicate error-input user P*	Send SMS to user P1 and lock the system for 3 minutes
	10	Only 30% Capacity Left in micro SD card	Up to 70% of memory space has been occupied	Delete oldest data until available space reaches 50% and delete SMS notice Send SMS to user P1

	11	microSD card is Abnormal	Memory card is failed	The memory card is removed or failed to run normally Send SMS to user P1 only
	12	microSD card is Normal	Memory card is normal	The memory card is running successfully Send SMS to user P1 only
	13.	microSD card Capacity is Insufficient	Up to 100% of memory space has been occupied	No more recording is allowed Send SMS to user P1 only
	14	AC Power Failed!	SMS only; no image transmission	AC power failure Send SMS to user P1 only
	15	AC Power Restore!	SMS only; no image transmission	AC power resumed Send SMS to user P1 only
	16	Time Update Fail!	System time access failure	System time access failed when it is set to retrieve system time automatically Send SMS to user P1 only
	17	Setting Error	Set up error Invalid permission	Send SMS to user P1 and system installer for any setup error

Appendix 1: the GH-868 sensor peripherals

<p>Window and Door Sensor GH-951</p> <p>RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz RF Communication Range: Up to 250 meters in open space at 25°C Working Power: 3.0VDC (CR2) Lithium Battery Battery Life: Up to 3 years with 50 activations each day External Hardwires Inputs: Normally Open (N.O.) Or Normally Closed (N.C.)</p>	
<p>Outdoor Siren GH-952L</p> <p>RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz RF Communication Range: Up to 250 meters in open space at 25°C IP Degree of Protection: 54 Working Power: 10-13.8VDC Siren Output: 115dB at 1 meter Power Failure Siren Time: 2, 4, 8 or 16 minute selectable Power Consumption: 12mA in Standby 200mA in alarming strobe only 400mA in alarming siren & strobe light Back up Battery: 9VDC Alkaline battery or 6VDC Rechargeable battery Tamper Protection Output: Normally Close (N.C.), active high, dry relay contact Siren Activation Inputs: Normally Open (N.O.), active low and Power failure Strobe Activation Inputs: Normally Open (N.O.), active low</p>	
<p>Indoor Siren GH-952S</p> <p>RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz RF Communication Range: Up to 250 meters in open space at 25°C Working Power: 10-13.8VDC</p>	
<p>Wireless Numeric Keypad GH-953</p> <p>RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz RF Communication Range: Up to 250 meters in open space at 25°C Working Power: 3.0VDC (CR123A) Lithium Battery Battery Life: Up to 3 years in standby</p>	

Remote Controller GH-954

RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz
RF Communication Range: Up to 250 meters in open space at 25°C
Working Power: 3.0VDC (CR2032) Lithium Battery
Battery Life: Up to 2 years with 50 activations each day
Commands: AWAY, HOME, Off, Panic



Smoke Alarm GH-955

RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz
RF Communication Range: Up to 250 meters in open space at 25°C
Working Power: 3.0VDC (CR123A) Lithium Battery



Battery Life: Up to 3 years in standby

Infrared Detector (PIR) GH-957

RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz
RF Communication Range: Up to 250 meters in open space at 25°C
Working Power: 3.0VDC (CR123A) Lithium Battery
PIR Lens: 9m, 101°
Battery Life: Up to 3 years with 50 activations each day
Interchangeable Lens type and Coverage



Repeater / Range Extender GH-958

RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz
RF Communication Range: Up to 250 meters in open space at 25°C
Working Power: 12VDC Adapter



Emergency Helper GH-959

RF Carrier Frequency: FSK 426.35 / 433.92 / 868.35MHz
RF Communication Range: Up to 250 meters in open space at 25°C
Working Power: 3.0VDC (CR2025) Lithium Battery
Battery Life: Up to 3 years in standby



Appendix 2: Log for user settings

Client								
User	Telephone number	Notification mode						
P1		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P2		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P3		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P4		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P5		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P6		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P7		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P8		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
P9		<input type="radio"/> Both SMS and video <input type="radio"/> SMS <input type="radio"/> Video						
Delay interval	seconds			Elder mode detection time			hour	
Periodic alarm time	Hour		Minute		~		Hour Mintue	
HOME alarm zone	<input type="checkbox"/> Zone 1 <input type="checkbox"/> Zone 2 <input type="checkbox"/> Zone 3 <input type="checkbox"/> Zone 4 <input type="checkbox"/> Zone 5 <input type="checkbox"/> Zone 6 <input type="checkbox"/> Zone 7 <input type="checkbox"/> Zone 8							
Wired input setup	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
	<input type="radio"/> N.O. <input type="radio"/> N.C.	<input type="radio"/> N.O. <input type="radio"/> N.C.	<input type="radio"/> N.O. <input type="radio"/> N.C.	<input type="radio"/> N.O. <input type="radio"/> N.C.	<input type="radio"/> N.O. <input type="radio"/> N.C.	<input type="radio"/> N.O. <input type="radio"/> N.C.	<input type="radio"/> N.O. <input type="radio"/> N.C.	<input type="radio"/> N.O. <input type="radio"/> N.C.
Mobile network setup	<input type="radio"/> GSM/3G network <input type="radio"/> 3G network							