

KG-SH130

User's Manual



Default account & Passowrd for KG-SH130:

- User account : 「 aa 」
- Password : 「 11 」

(Version 1.0)

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1. Package Content

- 1-1. KG-SH130 -----x1
- 1-2. Remote Controller -----x1
- 1-3. Y-Cable -----x1
(Optional: Available for purchase)
- 1-4. Terminal Block -----x2
- 1-5. Bolt -----x9
- 1-6. Power Cable -----x1
- 1-7. Power Adapter -----x1
- 1-8. CD -----x1
(Electronic User Manual)
- 1-9. User Manual -----x1
- 1-10. AAA Battery -----x2
- 1-11. External IR Sensor -----x1



KG-SH130



Remote Controller



Y-Cable



Terminal Block



Power Adapter



Power Cable



Bolt



AAA Battery



CD



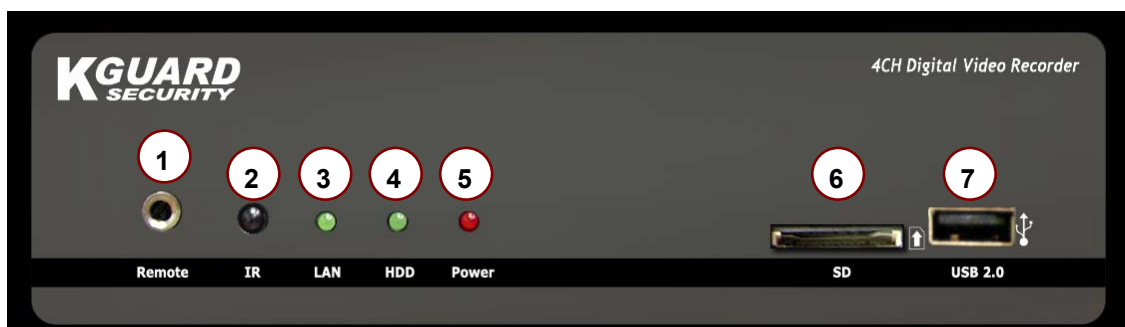
User Manual



External IR Sensor

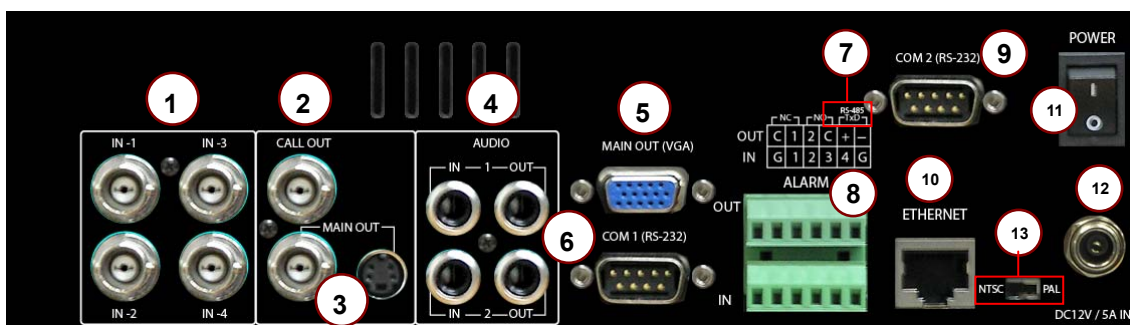
2 Hardware Introduction

2.1 Front view / Back view



	Name	Description
1	Remote Sensor Indicator	It shows the connection and function status of the remote sensor.
2	IR Indicator	LED illuminates when IR is on.
3	LAN Indicator	LED illuminates when LAN cable is connected.
4	HDD Indicator	LED illuminates when HDD is properly installed.
5	Power Indicator	LED illuminates when power is turned on.
6	SD Card Slot	This is an expansion slot for SD Card insertion.
7	USB Port	This is the connection terminal for USB port device.

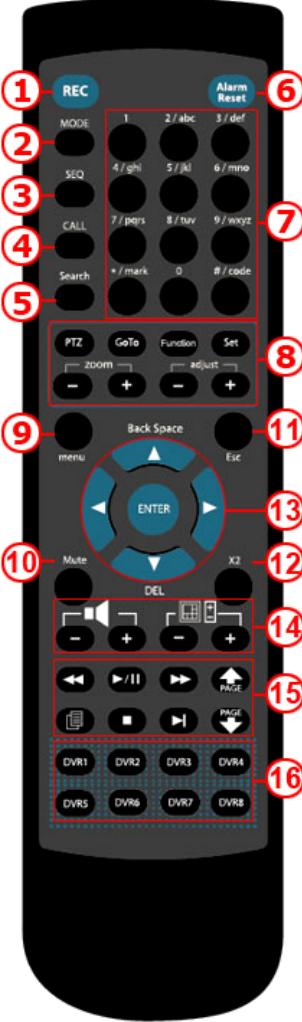


Back view











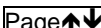


	Name	Description
1	IN 1-4:Video In Connectors	Connect Cameras to the unit.
2	CALL OUT	Connect to the monitor for call monitor display.
3	MAIN OUT	Connect to the main monitor display.
4	Audio In / out X 2	Audio Input/Output Connector (Connect to the audio device)
5	Main Out (VGA)	Connect to the VGA monitor.
6	COM 1 (RS-232)	Connect either to GPS or POS.
7	RS-485	Connect to PTZ speed dome for device control.
8	Alarm input/output connector	Connect to the alarm device.
9	COM 2 (RS-232)	Connect to GPS or POS.
10	Ethernet	This is the LAN connection port.

11	POWER switch	Click to turn the system power on/off.
12	Power Plug	Connect the unit to the power source.
13	NTSC / PAL	Set the unit either as NTSC or PAL according to TV compatibility.

2.2 Remote controller

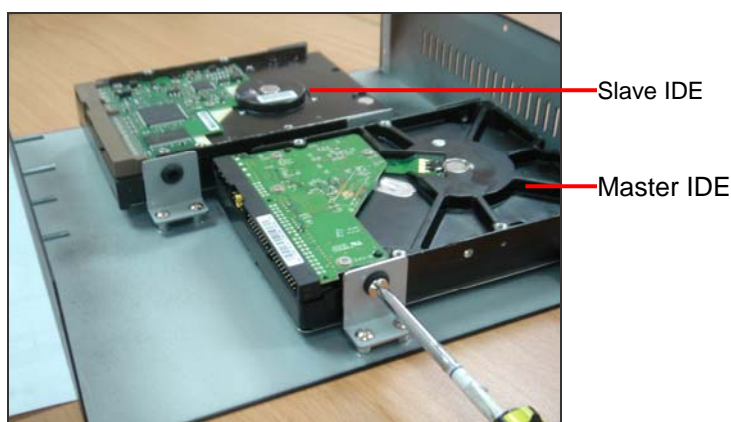
		Name	Description
	1	REC	Press to start the recording.
	2	Mode	Press to switch between live and playback mode.
	3	SEQ	Press to turn on the sequence mode.
	4	CALL	Click to bring up the call monitor.
	5	Search	Click to search recorded data while in the playback mode. There are three types of search modes: search by time, search by event and smart search. (Please refer to section 7 for detail information.)
	6	Alarm Reset	Press to restore the alarm status to default.
	7	Numeric/alpha button	Use these buttons to enter texts and numerical values.
	8	PTZ	Click to access the PTZ control when there is a PTZ camera supported.
		Goto	Click to view the image taken by PTZ camera at its preset location.
		Function	Click to add an audio recording feature.
		Set	Click to switch between GPS and POS Display and to reconfigure the display setting. (Please refer to Appendix C for detail setup)
		Zoom	Press  to adjust the zoom of the camera.
		Adjust	Click to switch the display layout between 1-channel and 4-channel.
	9	Menu	Press to access the menu dialog box.
	10	Mute	Press to either mute or un-mute audio.
	11	Esc	Press to exit the setting page.
	12	X2	Press to adjust the zoom.
	13		
		▲/Back Space: Click to move up the selection panel or backspace during text/numeric entry.	
		◀;▶: Click to move left or right.	
		▼/DEL: Click to move down the selection panel or delete text during text/numeric entry.	

		<p>ENTER: Click to enter a feature setting/GPS & POS setting and to save changes.</p> <p><i>(Please refer to Appendix C for detail information on GPS/POS setting)</i></p>
14		Use  to adjust the volume.
		Click to switch between 1-channel and 4-channel screen layout.
15		 : Rewind feature.
		 : Click to play or pause the playback.
		 : Forward feature.
		 : Click to copy an image to an external storage device. Click again to stop copying.
		 : Stop the playback.
		 : Click to skip to the next image.
		 : Press to scroll up/down the log list.
16	DVR1 – DVR8	Click to access the respected DVR when there is more than one DVR connected within a network.

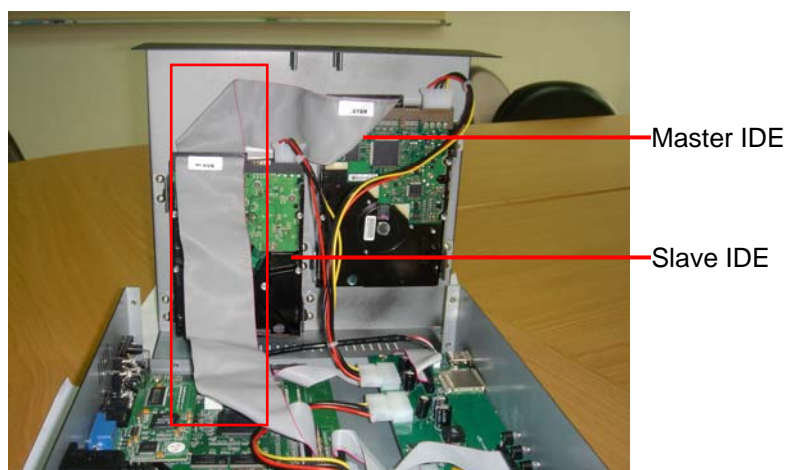
2.3 HDD Installation



Step 1: Uncover the system case.



Step 2: Screw both the master IDE and slave IDE tightly onto the metal case exactly as shown in the figure above.



Step 3: When both IDEs are tightly screwed, lift the metal vertically in the orientation as shown. Plug in the respective IDE cables.

NOTE:

The IDE cables must be carefully folded in the orientation as shown in the figure above to prevent disruption to other system components.



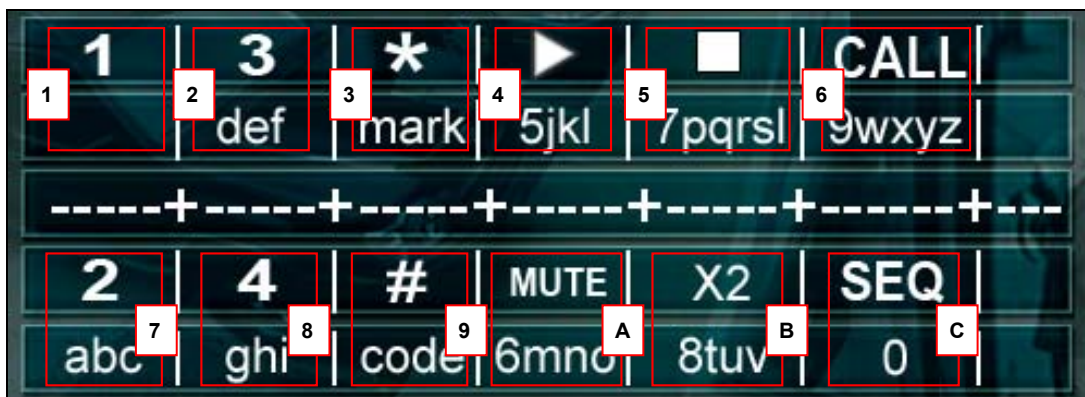
Step 4: Carefully fit the metal case with its bottom case.



Step 5: Screw the metal tightly to complete the HDD installation.

3 Text Input

Press ▲▼◀▶ to highlight the text to be edited then press **Enter** to call up the alpha-numeric text pad.



	Name	Description
1	1	Press to enter the available number.
2	3	Press to enter the available number and letter shown on the screen.
3	*/Mark	Press to bring up a list of punctuation and special symbols.
4	▶	Press to enter the available number and letters shown on the screen.
5	■	Press to enter the available number and letters shown on the screen.
6	CALL	Press to enter the available number and letters shown on the screen. <i>NOTE: Call monitor button is not functional during text/numeric entry.</i>
7	2	Press to enter the available number and letters shown on the screen.
8	4	Press to enter the available number and letters shown on the screen.
9	#	Press to enter the code for the selected foreign languages.
A	MUTE	Press to enter the available number and letters shown on the screen. <i>NOTE: Mute button is not functional during text/numeric entry.</i>
B	X2	Press to enter the available number and letters shown on the screen. <i>NOTE: Zoom button is not functional during text/numeric entry.</i>
C	SEQ	Press to enter number. <i>NOTE: Sequence mode is not functional during text/numeric entry.</i>



Attention:

For text and numeric entry using the controller, press directly from the alpha-numeric buttons.

4 Main Screen



	Name	Description
1	Video Screen	Display live/playback video.
2	Camera ID	Shows ID number of the camera.
3	Time / Date	Shows the current recording time and date.
4	Audio	When audio is turned on, audio icon will be displayed on the screen.
5	Alarm recording percentage	Shows the percentage of alarm triggered recording.
6	Normal recording percentage	Shows the percentage of normal recording.

5 Menu

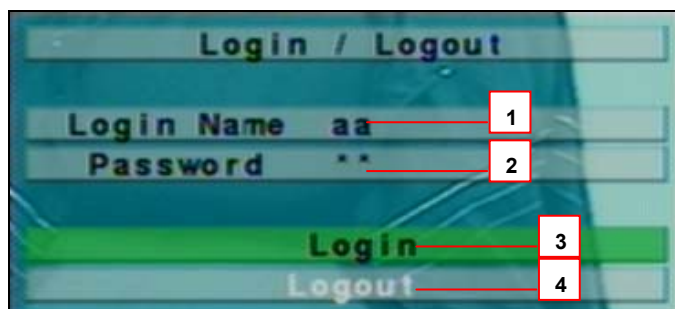
Press to bring up a list of function setting menu.



	Name	Description
1	Login/Logout	Press to login/logout of the system.
2	Status	Allow user to view the overall status of the system.
3	Video Adjustment	User can adjust the color, hue, saturation, contrast of the video image.
4	VGA Display	User can adjust the image output quality in terms of resolution, brightness, contrast, hue and saturation.
5	Backup Device	This window allows user to view the connection status of the backup device and to initiate data backup.
6	Setup	System features settings. <i>(Please refer to section 5.6 for detail information)</i>
7	Software Upgrade	This feature allows user to upgrade the software directly from the external devices such as DVD and USB flash drive.
8	Shutdown	Allows users to shutdown the system to prevent data loss.

5.1 Login / Logout

Click on the Login/Logout page to login the system and unlock the setting for changes.



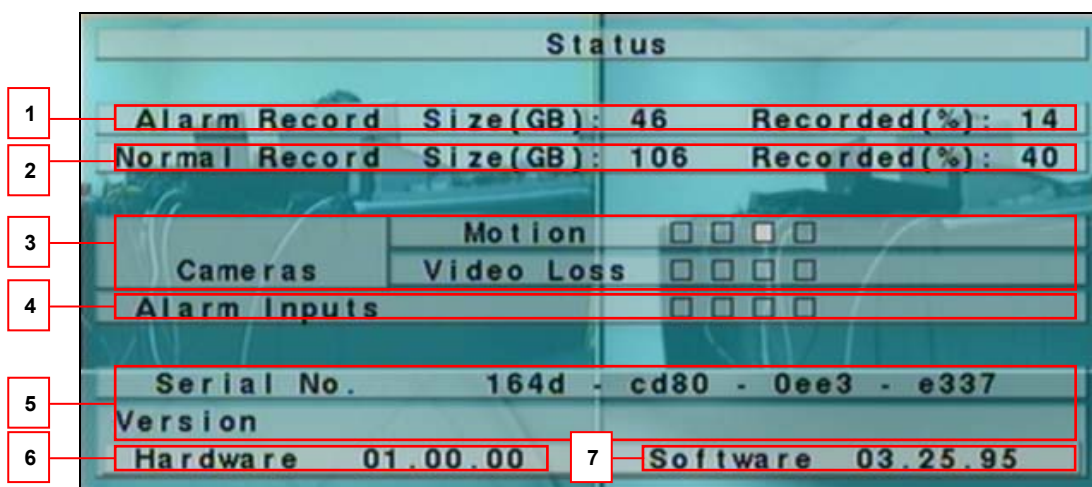
	Name	Description
1	Login Name	Please refer to section 3 for text/numeric entry. <i>Note: The default login name is aa.</i>
2	Password	Please refer to section 3 for text/numeric entry. <i>Note: The default password is 11.</i>
3	Login	Click to login into the system. <i>Note: The control buttons will be unlocked after system login.</i>
4	Logout	Click to logout of the system. <i>Note: The control buttons will be locked after system logout.</i>

NOTE:

Administrator can set access authorities, edit and assign usernames and passwords to different users. Please refer to section 5.6.7 for detail setup.

5.2 Status

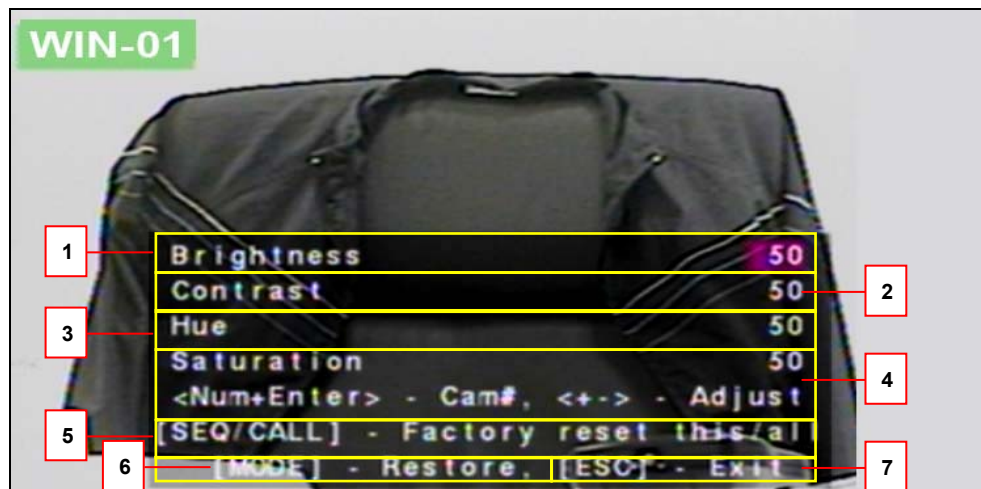
This page will display the status of the system in terms of alarm and normal record size, camera status, hardware and software version.







	Name	Description
1	Alarm record size & record percentage	<ul style="list-style-type: none"> - It shows the size of data in Gigabytes (GB) for alarm recording mode. - It shows the size of data (%) for alarm recording mode.
2	Normal record size & record percentage	<ul style="list-style-type: none"> - It shows the size of data (GB) for normal recording mode. - It shows the size of data (%) for normal recording mode.
3	Cameras	Motion
		Camera video loss
4	Alarm input	A white box appears when an alarm triggered event occurs.
5	Serial Number	<p>Use serial number to log into the system when both login name and password are forgotten.</p> <p>Note: The serial number can only be used once. Please contact the supplier for a new serial number.</p>
6	Hardware version	This is the hardware version information.
7	Software version	This is the software version information.

5.3 Video Adjustment

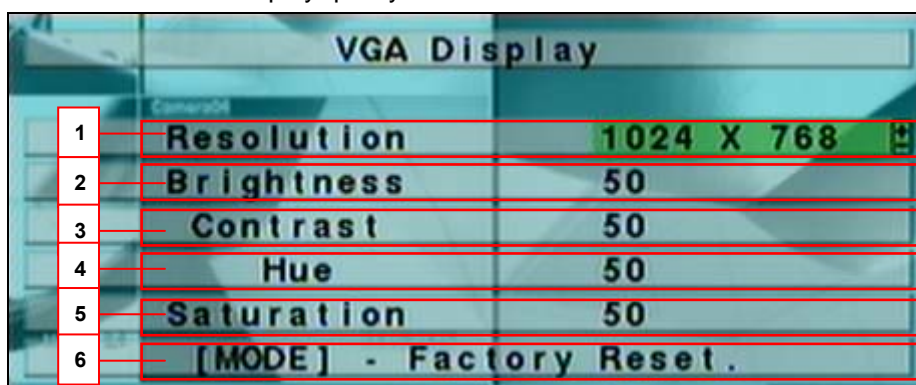
This setting allows user to adjust the quality of the video.








	Name	Description
1	Brightness	Press  to adjust the Brightness.
2	Contrast	Press  to adjust the Contrast.
3	Hue	Press  to adjust the Hue.
4	Saturation	Press  to adjust the Saturation.
5	Numeric Button	Press the numeric buttons 1~4 to view the image of the respected camera.
6	SEQ/CALL	Click to apply the default video setting either to this camera or to all cameras.
7	MODE	Click to restore the video setting to its previously saved setting.
8	ESC	Click to exit the setting.

5.4 VGA Display

This section explains how to adjust the Resolution, Brightness, Contrast, Hue and Saturation of VGA display quality.

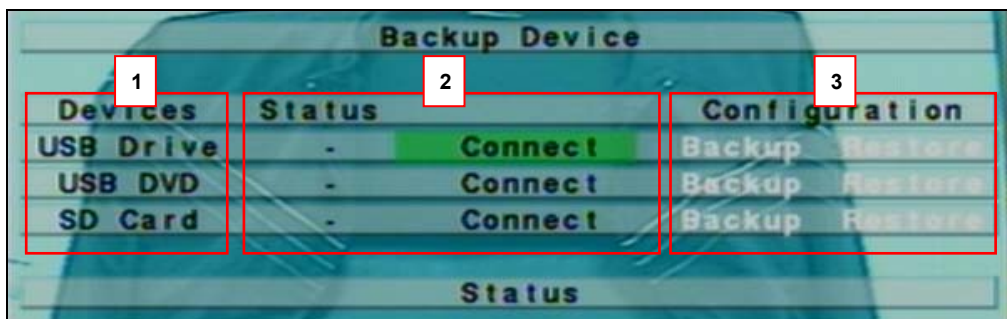


	Name	Description
--	------	-------------

1	Resolution	Press  to adjust the Resolution.
2	Brightness	Press  to adjust the Brightness.
3	Contrast	Press  to adjust the Contrast.
4	Hue	Press  to adjust the Hue.
5	Saturation	Press  to adjust the Saturation.
6	MODE	Click to restore the default setting.


5.5 Backup Device

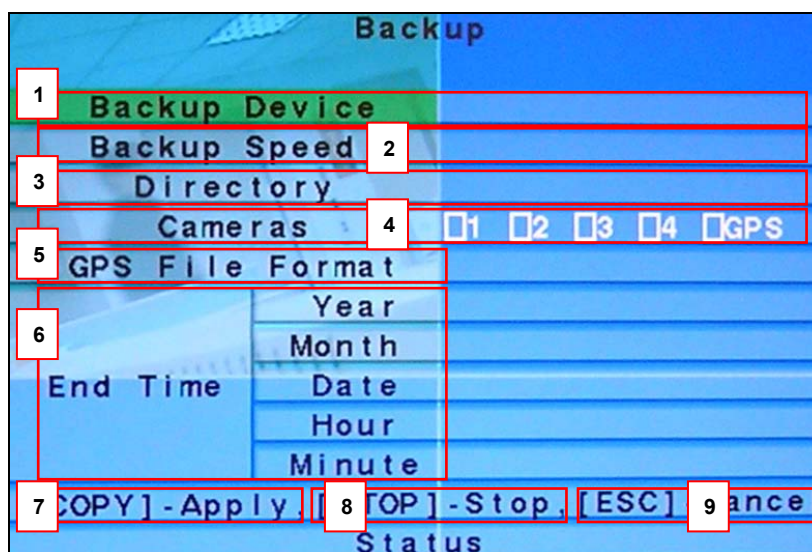
This window allows user to view the connection status of the backup device and to initiate data backup.







	Name	Description
1	Devices	Display a list of supported storage devices. <i>NOTE: USB CD-RW is not supported by this standalone DVR system.</i>
2	Status	Display the connection status of external storage device.
3	Configuration	Click Backup to store the data files to an external storage device. Click Restore to restore the data files from the external device to the local system.

5.5.1 Backup Setting

Click on **CALL** /  to access the **Backup** setting.



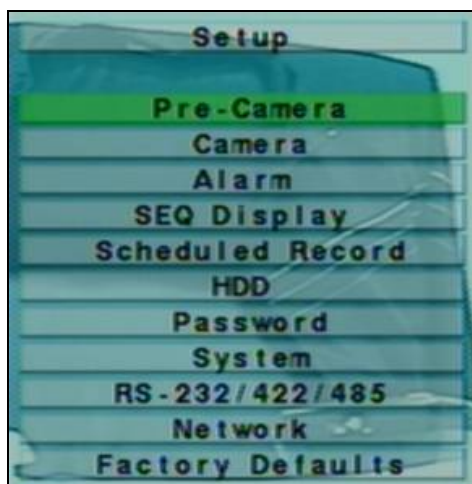
	Name	Description
1	Backup Device	Click  to select the storage device for the backup.
2	Backup Speed	Click  to adjust the backup process speed.
3	Directory	This will display the directory path of the backup file.
4	Cameras	The cameras that are selected for data backup will have a white colored box.
5	GPS File Format	Click  to set the GPS file format to be saved.
6	End Time	Click  to set the backup end time in terms of year, month, date, hour and minute. Note: <i>Please go to search by Time setting to set the start time.</i>
7	COPY	Click to apply the backup setting to the other cameras.
8	STOP	Click to stop the backup process.
9	ESC	Click to exit the backup setting.

Attention: To view the backup data playback, please access the IE interface of the system

and press  to locate the data file.

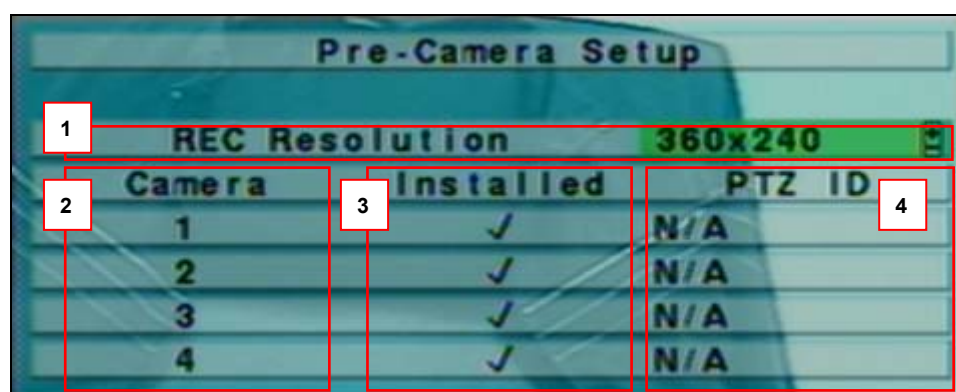
5.6 Setup



Click **Setup** to access the setup page



5.6.1 Pre-Camera

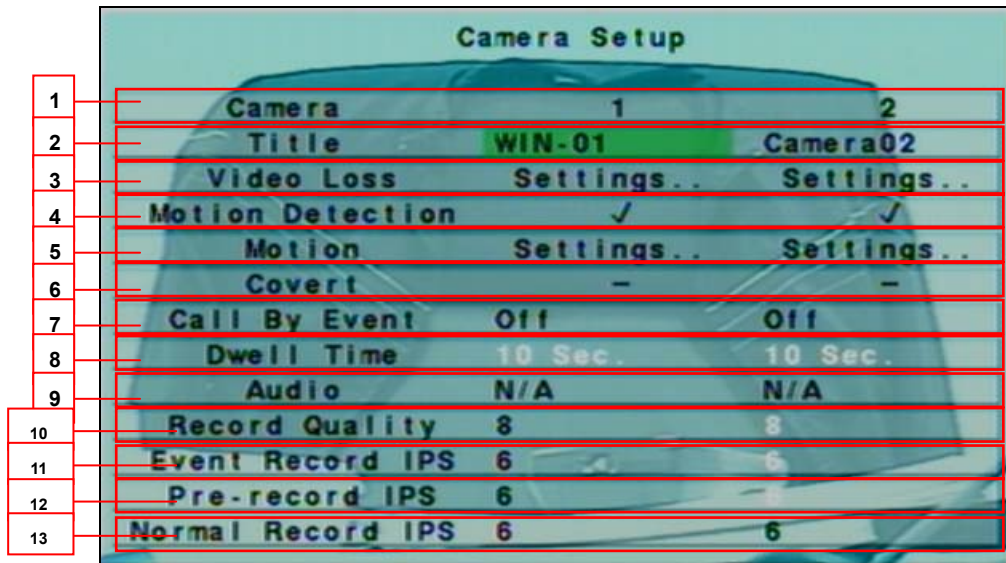
This section shows how to change the recording Resolution, Setup the number of camera installed and assigning PTZ Speed Dome ID.







	Name	Description
1	REC Resolution	Press  to adjust the recording resolution to 360x240, 720x480 or 720x240.
2	Camera	This shows the number of supported camera of the system.
3	Camera Installed	Press Enter to check/uncheck camera installed.
4	PTZ ID	Press  to assign each PTZ an ID.

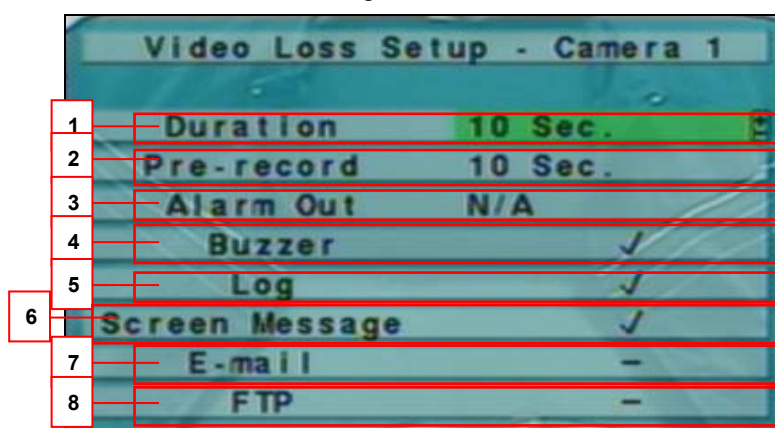
5.6.2 Camera




This is to enable user to configure the camera setting and to set up the video loss trigger, motion detection, recording quality and recording rate.



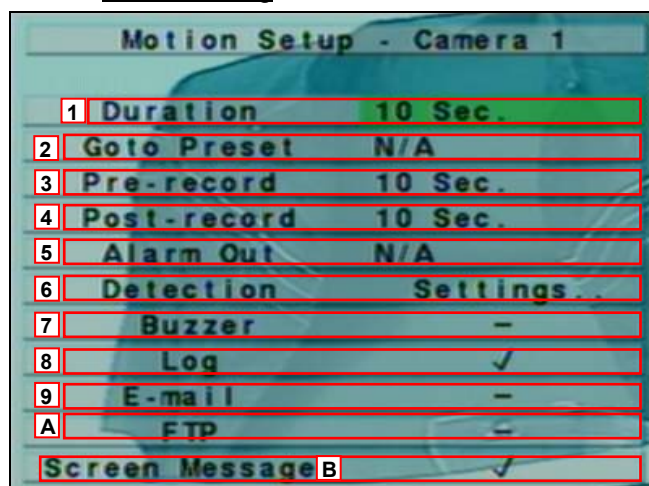
	Name	Description
1	Camera	The number corresponds to the camera supported.
2	Title	User can assign a title to different camera for identification purpose. <i>(Please refer to section 3 on text/numeric entry)</i>
3	Video Loss	A warning can be triggered to alert the administrator during video loss. <i>(Please refer to section 5.6.2.1 on video loss for detail configuration)</i>
4	Motion Detection	Click check to enable motion detection feature.
5	Motion	This is the motion detection setting. <i>(Please refer to section 5.6.2.2 on motion setting for detail information)</i>
6	Covert	Click check to enable covert feature. <i>NOTE: When covert is activated, only administrator/supervisor level users can view the live video of the respected camera.</i>
7	Call By Event (Call Monitor)	This feature will cause a specified channel to display upon a specific event trigger.
8	Dwell Time	User may adjust the value to determine the display time of the call monitor.
9	Audio	The audio setting allows user to turn on/off the sound recording option.
10	Record Quality	Press  to adjust the recording quality from 1 (low) to 9 (highest).
11	Event Record IPS	Press  to adjust the event recording rate as Image per Second (IPS).
12	Pre-Record IPS	Press  to adjust the pre-recording rate (IPS).
13	Normal Record IPS	Press  to adjust the normal recording rate (IPS).





5.6.2.1 Video Loss Setting



	Name	Description
1	Duration	Press  to adjust the length of warning period upon video loss trigger.
2	Pre-record	Press  to adjust the transition period before initiating the recording prior to motion detection.
3	Alarm Out	Click  to select the video loss triggered alarm output.
4	Buzzer	Click Enter to activate the buzzer warning that will be triggered upon video loss.
5	Log	When enabled, the system will record all video loss history.
6	Screen Message	Click to enable/disable event message being displayed on the screen.
7	Email	Enable this feature will trigger video files be sent to email when video loss is detected.
8	FTP	Enable this feature will trigger video files be sent to the FTP server upon video loss detection.

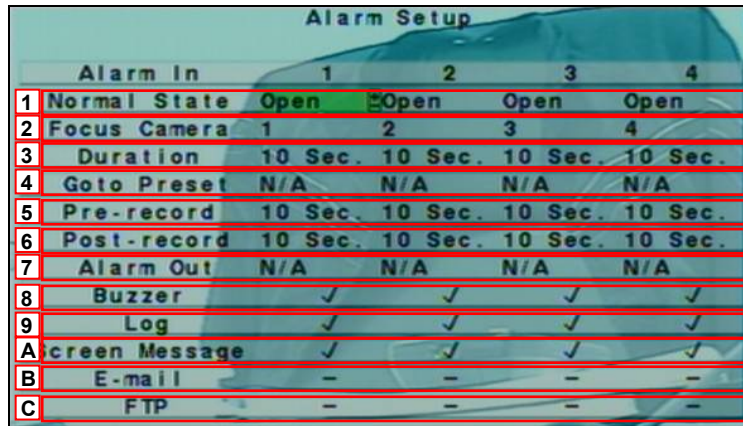
5.6.2.2 Motion Setting








	Name	Description
1	Duration	Press  to adjust the length of warning period upon motion trigger.
2	Goto Preset	User can set the monitor to display the defined preset camera image upon detecting a motion.
3	Pre-Record	Press  to adjust the transition period before initiating the recording prior to motion detection.
4	Post-record	Press  to adjust the transition period before initiating the recording after motion detection.
5	Alarm Out	Click  to select the motion triggered alarm output.
6	Detection Setting	This setting allows user to define the area for motion to be detected. <i>(Please refer to Appendix D for detail configuration)</i>
7	Buzzer	Click Enter to activate the buzzer warning that will be triggered upon motion detection.
8	Log	When enabled, the system will record all video loss history.
9	Email	Enable this feature will trigger video files be sent to email when motion is detected.
A	FTP	Enable this feature will trigger video files be sent to the FTP server upon motion detection.
B	Screen Message	Click to enable/disable event message being displayed on the screen.

5.6.3 Alarm


This feature allows administrator to define the condition for the alarm to be triggered.



Alarm In	1	2	3	4
1 Normal State	Open	Open	Open	Open
2 Focus Camera	1	2	3	4
3 Duration	10 Sec.	10 Sec.	10 Sec.	10 Sec.
4 Goto Preset	N/A	N/A	N/A	N/A
5 Pre-record	10 Sec.	10 Sec.	10 Sec.	10 Sec.
6 Post-record	10 Sec.	10 Sec.	10 Sec.	10 Sec.
7 Alarm Out	N/A	N/A	N/A	N/A
8 Buzzer	✓	✓	✓	✓
9 Log	✓	✓	✓	✓
A Screen Message	✓	✓	✓	✓
B E-mail	-	-	-	-
C FTP	-	-	-	-

	Name	Description
1	Normal State	Press  to adjust the status of the normal state to either open or close. <i>NOTE: Please set the Normal State to N/A when there is no alarm connected.</i>
2	Focus Camera	Administrator can prioritize the camera that will respond to a specified alarm input.
3	Duration	Press  to adjust the length of warning period when the alarm is triggered.
4	Goto Preset	User can set the monitor to display the defined preset camera image upon an event trigger.
5	Pre-record	Press  to adjust the transition period before initiating the recording prior to event trigger.
6	Post-record	Press  to adjust the transition period before initiating the recording after an event trigger.
7	Alarm out	Click  to select the alarm output triggered by a specific event.
8	Buzzer	Click Enter to activate the buzzer warning due to an alarm trigger.
9	Log	When enabled, the system will record all video loss history.
A	Screen Message	Click to enable/disable event message being displayed on the screen.
B	E-mail	Enable this feature will trigger video files be sent to the email upon an event trigger.
C	FTP	Enable this feature will trigger video files be sent to the FTP server upon an event trigger.




NOTE:

User can press COPY () to copy the setting of alarm 1 to all subsequent alarm settings.

5.6.4 SEQ Display Setup

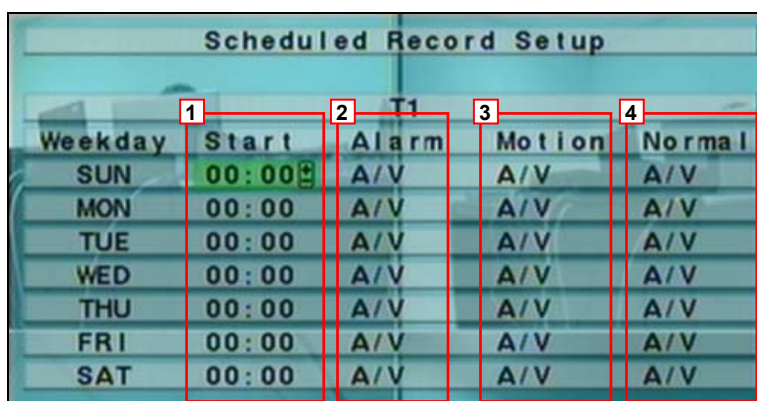
This section explains how to set up the surveillance sequence order for both main monitor and call monitor.







	Name	Description
1	Total Pages	Press  to set the total of display channel (1~4 ch) for each screen.
2	Dwell Time	Press  to set the display time (3~60 seconds) of each camera for each sequential rotation.
3	Page setting	<ul style="list-style-type: none"> - Use the numeric buttons (1~4) to set the sequence order of display cameras. - Press  to view the camera that is set to the page according to the sequence order.


5.6.5 Scheduled Record

This setting is for user to define and adjust the recording schedule. The system supports up to 16 different schedules with each T represents each schedule. The recording schedules automatically apply to all cameras instead of individual camera.

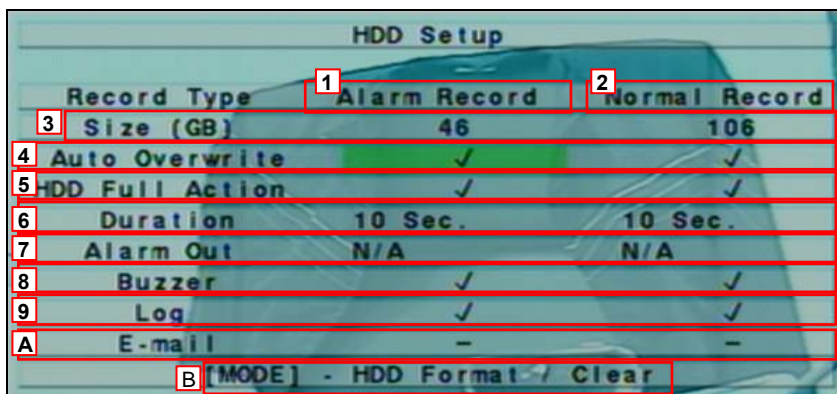




	Name	Description
1	Start Time	Press  to set the recording start time. NOTE: User can set up to a maximum of 16 different schedule segments. The beginning of the new schedule segment represents the end of the previous schedule segment. Thus, a warning dialog box will appear when two time schedule segments overlap.
2	Alarm	Press  to set the recording criteria as audio (A), video (V) or both (A/V) when

		the alarm is triggered.
3	Motion	Press  to set the recording criteria as audio (A), video (V) or both (A/V) when the motion is detected.
4	Normal	Press  to set the recording criteria as audio (A), video (V) or both (A/V) under normal recording circumstance.

NOTE: User can press COPY () to copy the setting of alarm 1 to all subsequent alarm settings.

5.6.6 HDD



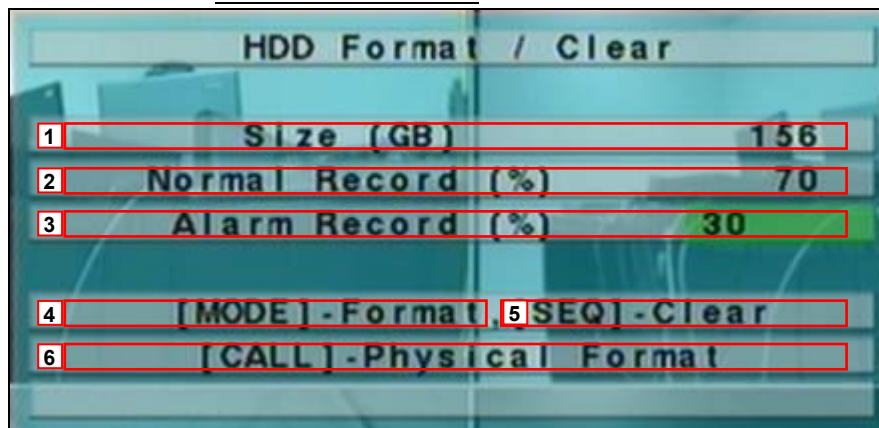
	Name	Description
1	Alarm Record	This is the recording under alarm triggered condition.
2	Normal Record	This is the recording under normal circumstance.
3	Size	This shows the storage size of the data.
4	Auto Overwrite	When auto overwrite is enabled, new data will automatically replace old data under HDD space shortage condition.
5	HDD Full Action	Click Enter to check/uncheck this feature. This feature enables the system to take appropriate actions when the HDD capacity is short.
6	Duration	Press  to adjust the length of warning period due to HDD capacity shortage.
7	Alarm	Click  to select the alarm output triggered due to HDD capacity shortage.
8	Buzzer	Click Enter to activate the buzzer warning that is triggered due to HDD capacity shortage.
9	Log	When enabled, the system will record all video loss history.
A	E-mail	Enable this feature will trigger video files be sent to the email due to HDD capacity shortage triggering.
B	Mode	Click to format the HDD.



Attention:

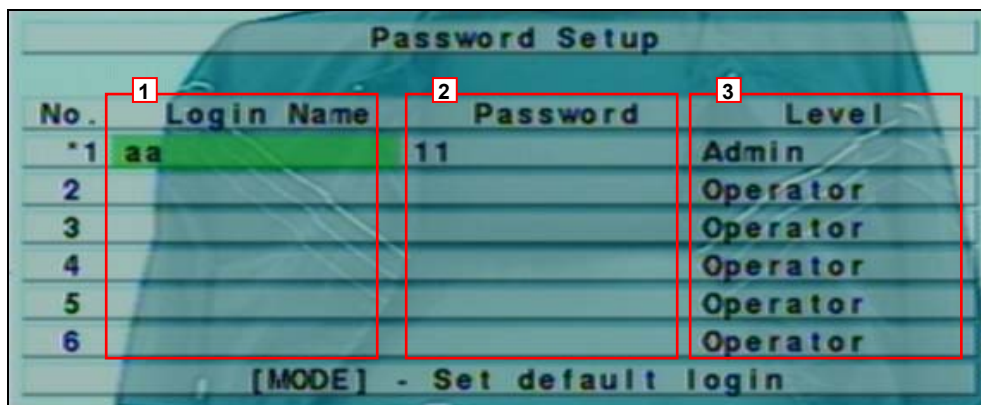
It is recommended that format every new HDD installed to clear all possible old data.

5.6.6.1 HDD format and Clear



	Name	Description
1	Size	This shows the total storage capacity in gigabyte.
2	Normal Record	This shows the partition size (%) that stores normal recording data.
3	Alarm Record	This shows the partition size (%) that stores alarm recording data.
4	Mode	Click to format the HDD.
5	SEQ	Click to clear the HDD.
6	CALL	Click to initiate HDD formatting.

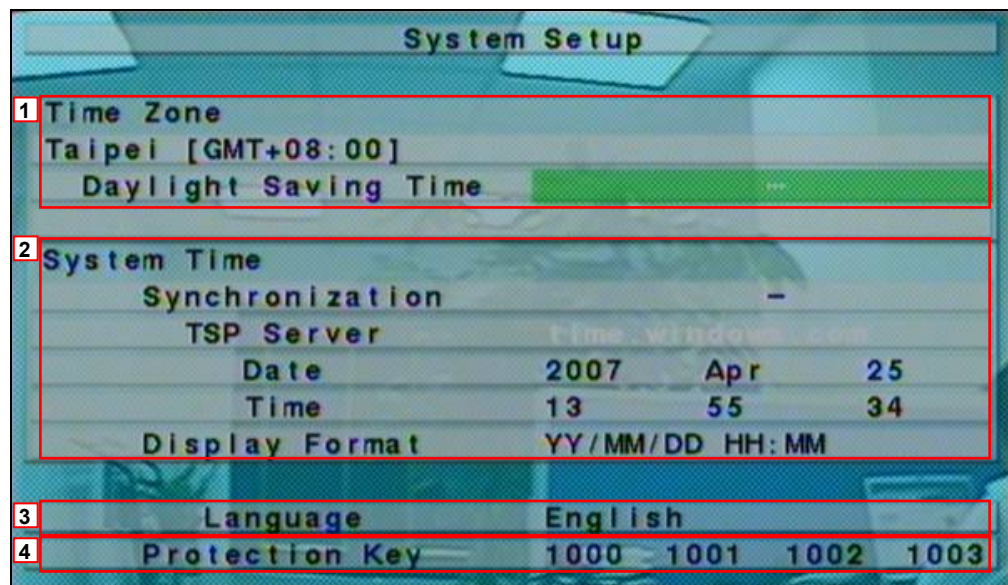
5.6.7 Password







	Name	Description
1	Login Name	Administrator can assign a login name for other users. (Please refer to section 3 for text/numeric entry) Note: The default login name for administrator is aa
2	Password	Administrator can assign a password for other users. (Please refer to section 3 for text/numeric entry) Note: The default password for administrator is 11
3	Level	Administrator can set different level of access authority to users. There are three levels of authority: Administrator, supervisor and operator.

5.6.8 System Setup

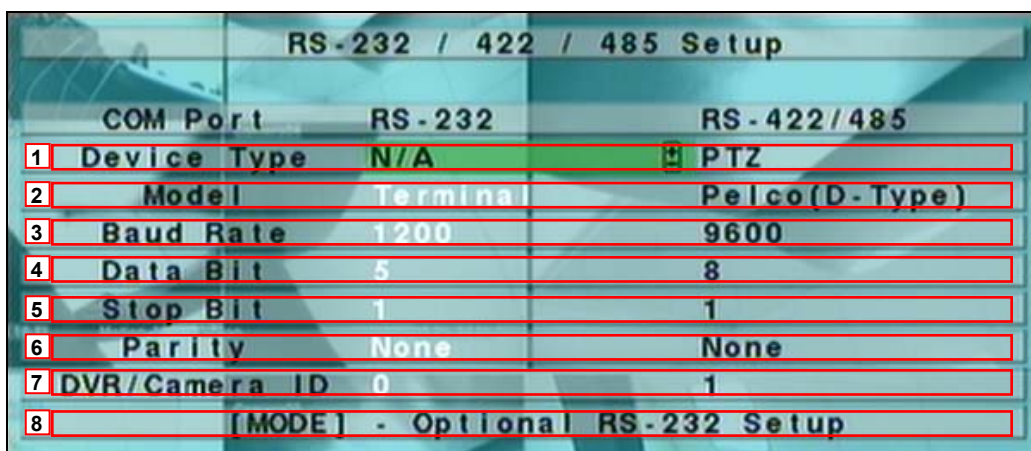
System setup enables user to properly configure the time, system language and display format of the system.



	Name		Description
1	Time Zone		This allows administrator to set the time zone of their country. <i>(Please refer to appendix E for time zone reference.)</i>
	Daylight Saving Time		The system will display the appropriate daylight saving time according to the time zone selected.
2	System Time	Synchronization	Click to synchronize the system time with the TSP server time.
		TSP Server	Type in the TSP server address.
		Date	Press  to adjust the date.
		Time	Press  to adjust the time.
		Display Format	Press  to modify the date/time display format.
3	Language		Press  to apply the appropriate language setting. The system supports up to 9 languages: Spanish, English, Polish, Russian, Turkish, Korean, Italian, Simplified & Traditional Chinese.
4	Protection Key		This function is currently inapplicable.

5.6.9 RS-232 / 422 / 485

User needs to configure this setting for the external hardware such as PTZ speed dome, POS, GPS and DVR keyboard to function properly.

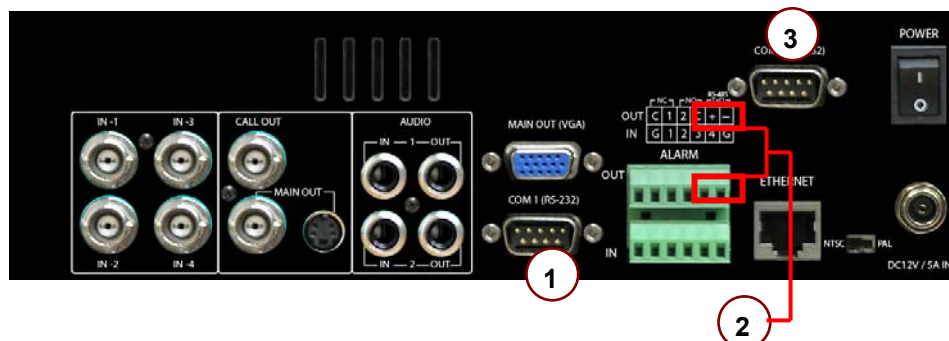


	Name	Description
1	Device Type	Press to select the appropriate device.
2	Model	Press to select the appropriate model for the device.
3	Baud Rate	Press to set the baud rate.
4	Data Bit	Press to set the data bit.
5	Stop Bit	Press to set the stop bit.
6	Parity	Press to set the parity.
7	DVR/Camera ID	Press to assign the DVR/Camera an ID.
8	MODE	Click Mode to enter the optional RS-232 setting.

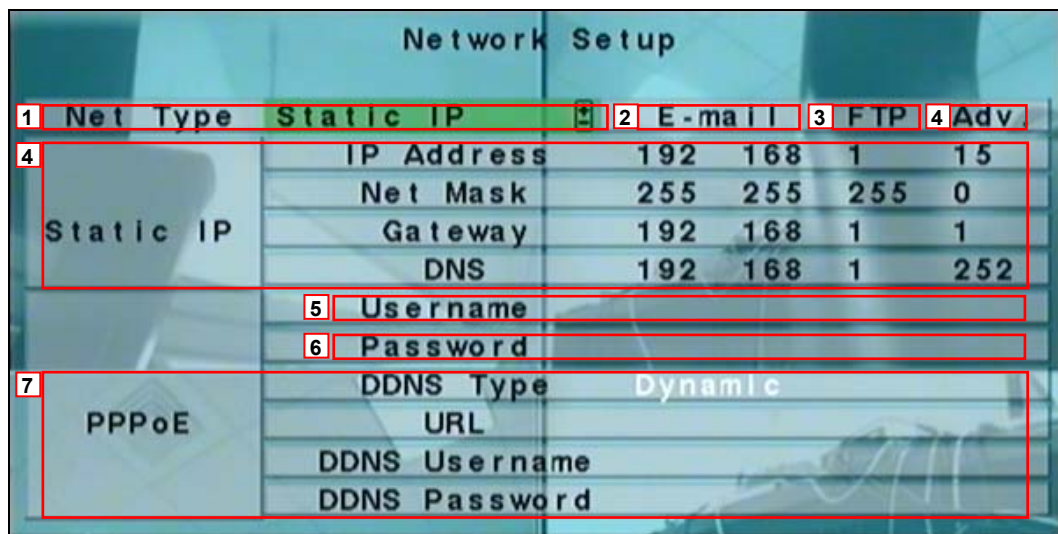
NOTE:


POS Models supported by SH-130:

Epson-TM200, Epson-TMU295, Epson-TMU300, Epson-TMU675, Epson-TMT882, Epson-RPU420, and Epson-MD332S.

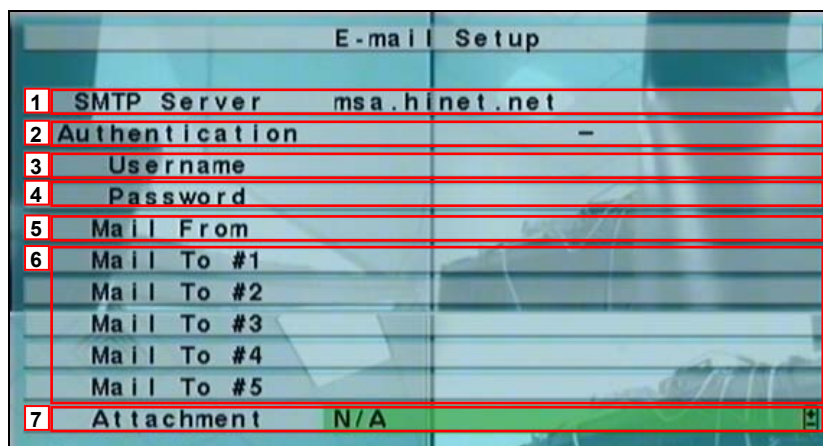


5.6.10 Network



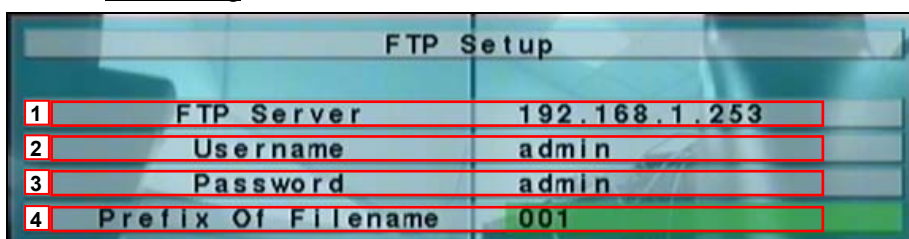
	Name	Description
1	Net Type	Press  to select the net type as static IP, PPPoE or DHCP.
2	Email	Press Enter to access the email setting.
3	FTP	Press Enter to access the FTP server setting.
4	Static IP	Adv. (Advanced Network Setup)
		IP Address
		Net Mask
		Gateway
		DNS
5	Username	Type in the username assigned. (Please refer to section 3 for text/numeric entry) <i>NOTE: Username entry is only applicable to PPPoE</i>
6	Password	Type in the password assigned. (Please refer to section 3 for text/numeric entry) <i>NOTE: Password entry is only applicable to PPPoE</i>
7	PPPoE	DDNS Type
		URL
		DDNS Username
		DDNS Password

5.6.10.1 Email Setting



	Name	Description
1	SMTP Server	Type in the SMTP server address. (Please refer to section 3 for text/numeric entry)
2	Authentication	Click to enable authentication if it is required by SMTP server.
3	Username	Type in the username. (Please refer to section 3 for text/numeric entry)
4	Password	Type in the password. (Please refer to section 3 for text/numeric entry)
5	Mail From	Type in the sender's email address. (Please refer to section 3 for text/numeric entry)
6	Mail to	Type in the recipients' email addresses. (Please refer to section 3 for text/numeric entry)
7	Attachment	This allows user to be alerted with an image attached email.

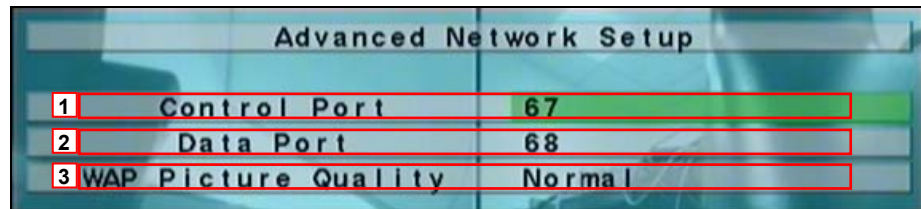
5.6.10.2 FTP setting




	Name	Description
1	FTP Server	Type in the FTP server address. (Please refer to section 3 for text/numeric entry)
2	Username	Type in the username. (Please refer to section 3 for text/numeric entry)
3	Password	Type in the password.

		(Please refer to section 3 to text/numeric entry)
4	Prefix of Filename	Assign a prefix for each file for easier identification. (Please refer to section 3 for text/numeric entry)

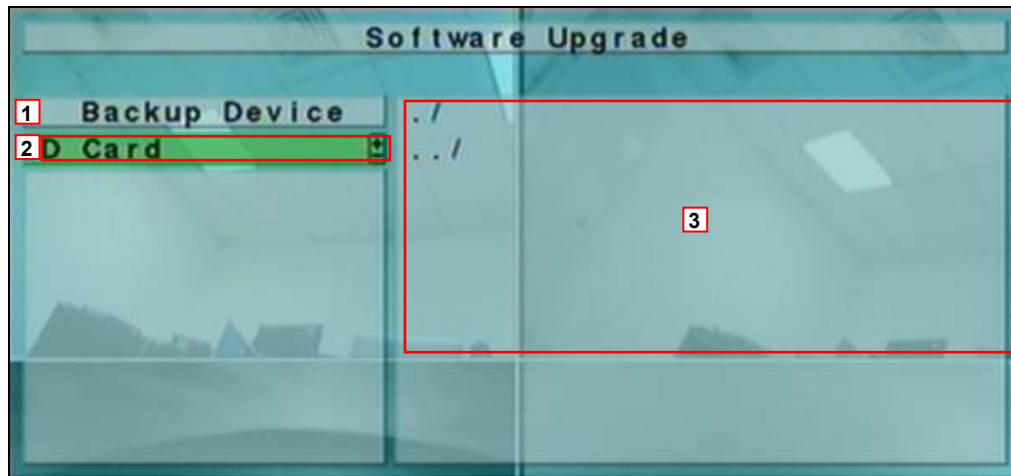
5.6.10.3 Advanced Network Setting




	Name	Description
1	Control Port	Type in the control port number.
2	Data Port	Type in the data port number.
3	WAP Picture Quality	Press  to adjust the picture quality.

6 Software Upgrade

User can upgrade the software from the upgrading files stored inside the external storage media such as DVD, USB SD card or USB flash drive.

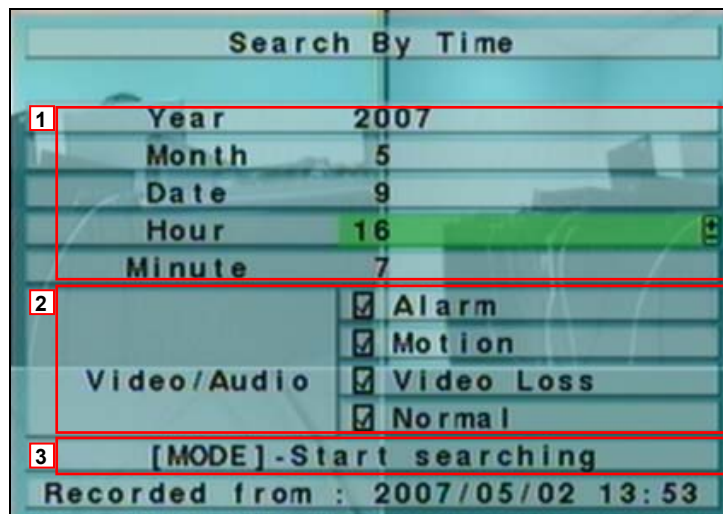




	Name	Description
1	Backup Device	Click Enter on Backup Device to connect the device for upgrading. (Please refer to section 5.5 for detail information on device connection)
2	SD Card	Press  to select the appropriate device that has the upgrading software, and then press Enter to start upgrading.
3	File list	Displays all the files stored in the device.

7 Search & Playback

7.1 Search By Time

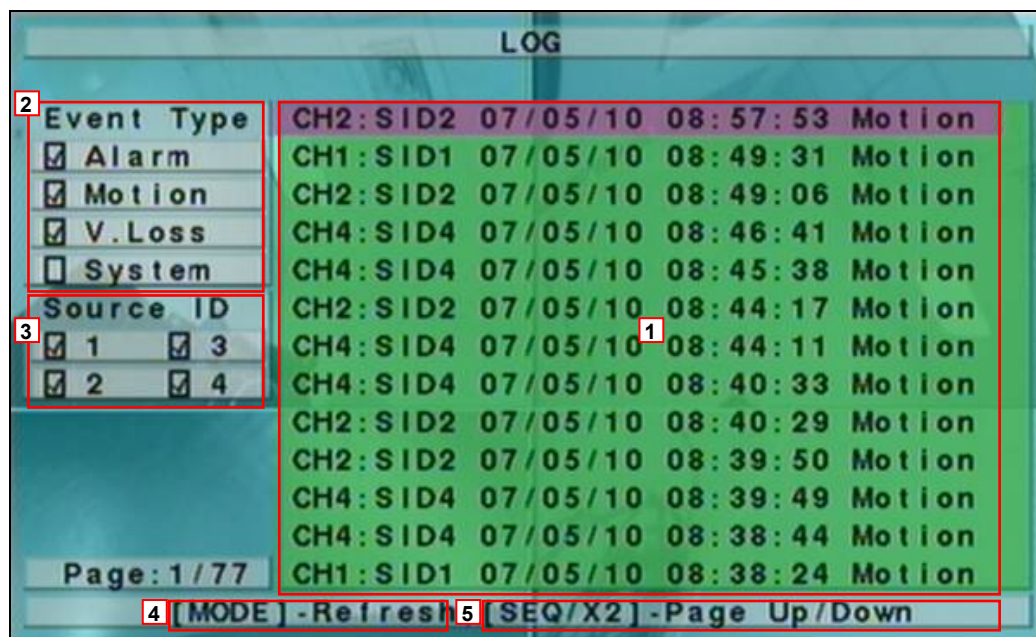
This section explains how user can search for specific data by defining the date and time as the search criteria.



	Name		Description
1	Start Time		Press  to set the year, month, date, hour and minute as the start search criteria. Note: <i>Please press  to access the backup setting to set the end time.</i>
2	Video / Audio	Alarm	Click to set the alarm triggered record as the search criteria.
		Motion	Click to set the motion triggered record as the search criteria.
		Video Loss	Click to set the video loss triggered record as the search criteria.
		Normal	Click to set the normal record as the search criteria.
3	MODE		Click to start the search process.

7.2 Search By Event

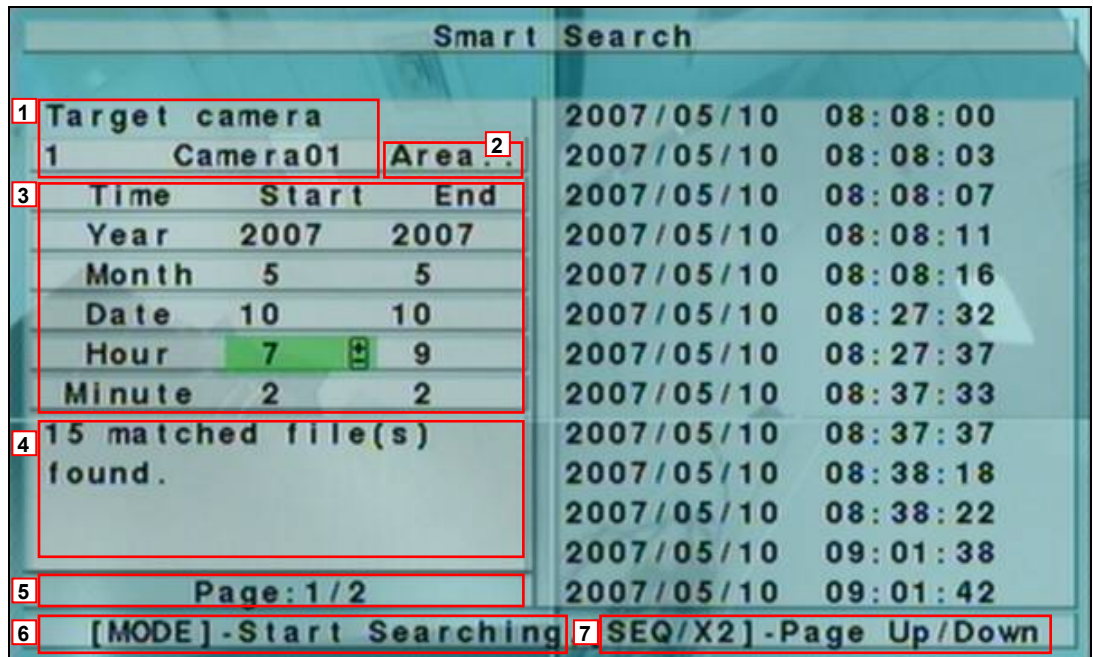
This section explains how user can search for a specific data by scrolling the event log.





	Name	Description
1	Log history	This section displays the search result with all the event log information.
2	Event Type	Set the search criteria by selecting the types of event such as alarm trigger, motion trigger, video loss trigger and system event.
3	Source ID	Click to select the data source camera as the search criteria.
4	MODE	Click to refresh the page.
5	SEQ/X2	Click to scroll the log list.

7.3 Smart Search

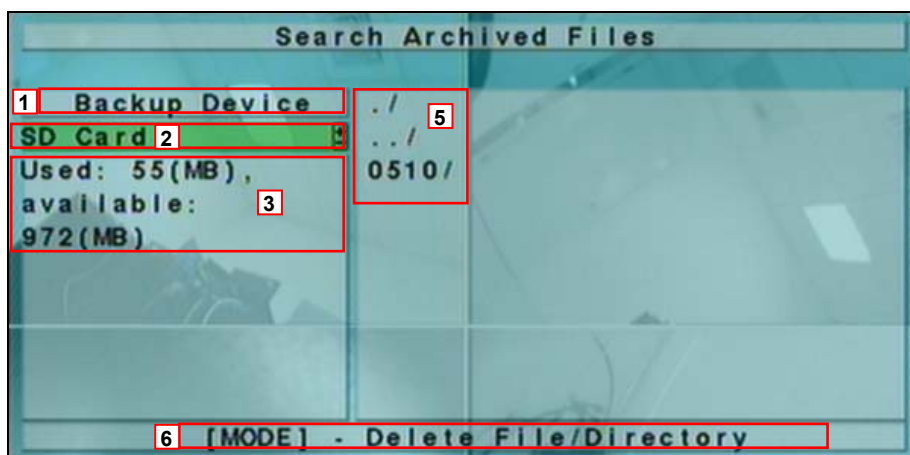
This section explains how user can use a defined time range to search the recorded data.




	Name	Description
1	Target Camera	Click  to select the data source camera as the search criteria.
2	Area	Click Enter to access the target area setting and to define the motion trigger area criteria. The system allows the creation of multiple point motion detection zones. Note: <i>For multiple search zones, all restricted zones must be triggered to enable motion detection recording.</i>
3	Time/Date Criteria	Click  to set the date and time period as the search criteria.
4	Search result	It displays the number of files that match the criteria set.
5	Log page	It displays the search results according to the dates and times.
6	MODE	Click to start the search process.
7	SEQ/X2	Click to scroll the log list.

7.4 Search Archived Files

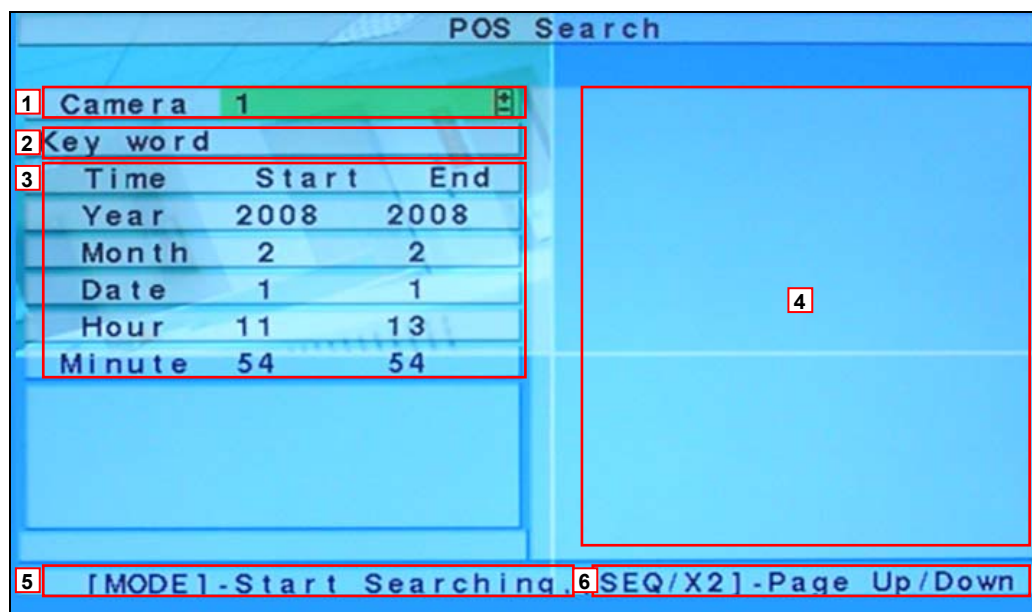
This section explains how user can search for archived files stored in the external device.





	Name	Description
1	Backup Device	Click Enter on Backup Device to connect the device for upgrading. (Please refer to section 5.5 for detail information on device connection)
2	SD Card	Press  to select the appropriate device that has the upgrading software, and then press Enter to start upgrading.
3	Used Space	Shows the used space of the device.
4	Available Space	Shows the free space of the device.
5	File list	Displays all the files stored in the device.
6	MODE	Click to delete unwanted file/directory.

7.5 POS Search

This section explains how user can retrieve and view data recorded from the POS device.

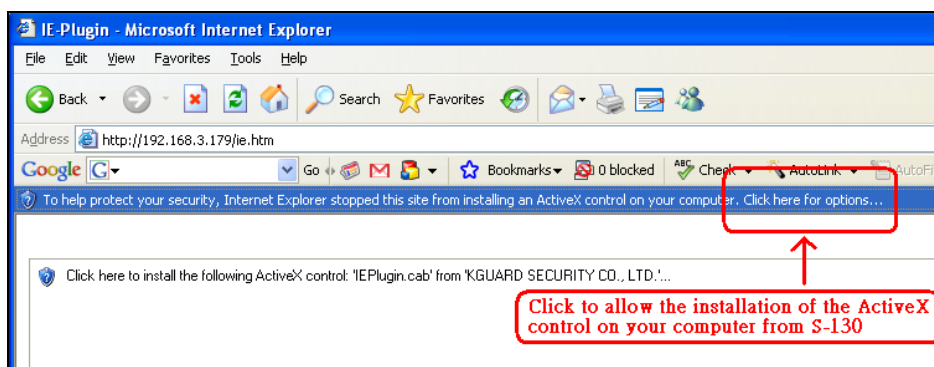


	Name	Description
1	Camera	Use  to select the camera that recorded the data from POS.
2	Key Word	Type in the key word of the POS that need to be searched.
3	Time Range	Use  to set the search time range in terms of start and end time.
4	Result List	The window will display all the searched files that match the criteria set.
5	MODE	Press to start the search process.
6	SEQ/X2	Press to scroll the search list.

8 Remote Access

8.1 Remote Access via Internet Explorer (IE)

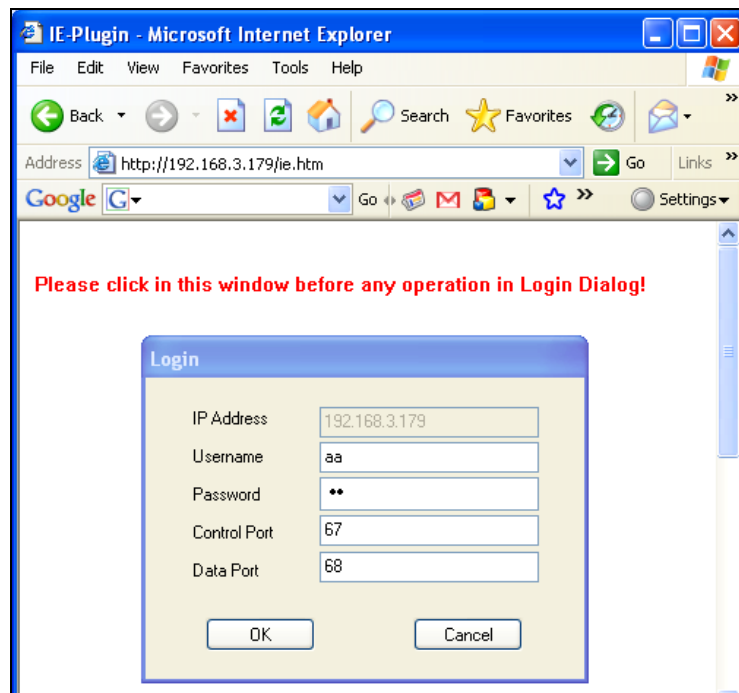
Step1. Type in the IP address of the S-130 standalone DVR in the IE address bar to access the system remotely.



Step2. When the IE prompts to install ActiveX control, click to allow installation.



Step3. When an installation dialog box pops up, click to install IE Plugin.cab.







NOTE: *Step2 & Step3 only apply to first time user.*












Step4. Type in the login name, password, control port and data port information to access the system.

- **The default login name: aa**
- **The default password: 11**

8.1.1 Main Screen



	Name	Description
1	Camera ID	Displays the ID of the camera.
2	Video Screen	This is to display both live and playback video.
3	Date/Time	This is to show the actual recording time and date of the video.
4	PTZ	PTZ Control These buttons are for the control of the PTZ speed dome.
		Focus This is to enable user to adjust the image video.
		Iris This is to enable user to adjust the amount of light entering the camera lens.
5	Camera	These buttons correspond to the respective cameras connected to DVR.
6	Alarm In	These buttons correspond to the respective alarms connected to DVR.
7	Alarm Out	These buttons correspond to the cameras that are set tot respond to the alarm trigger.
8		Sequence Mode: Press to switch to sequence mode.
		Audio: Click to listen to the audio being recorded by the selected DVR server.
		Microphone: When the feature is enabled, the voice of the user can be transmitted to the selected DVR server for hearing via IE. <i>NOTE: This feature is only enabled when connecting to microphone.</i>
		Search Mode: Press to switch to search and playback mode.

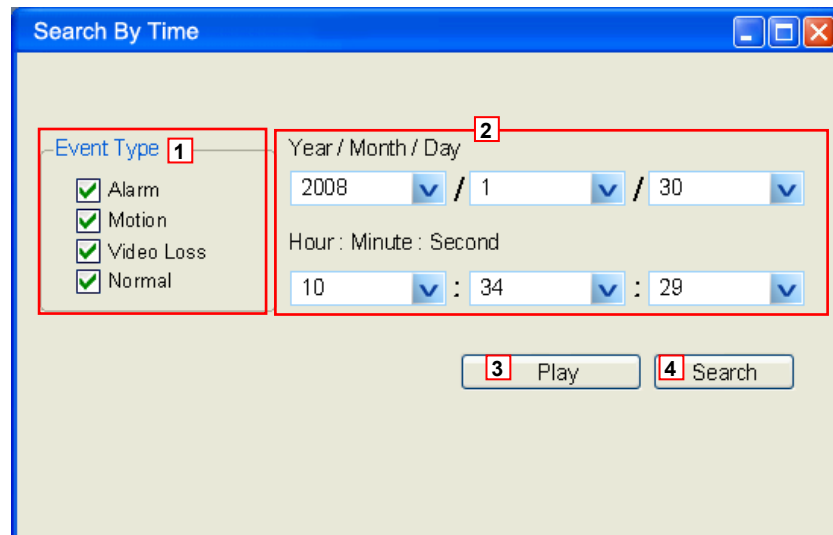
		Manual Backup: Press to setup the backup configuration.
		Freeze Mode: Press to freeze the image.
		DVR: Press to view the image from the camera of the selected DVR.
		POS: Press to bring up the POS window.
		GPS: Press to bring up the GPS window.
9	Playback Control	These buttons are for the playback, forward, rewind, stop and copy video.
A		Search by Time: This feature enables user to search for video data according to the specified date and time.
		Record file playback: Click to play the selected record file.
		Search by Event: This feature enables user to search for video data according to the event criteria.
		PTZ: Click to open the PTZ control panel.
		POS Search: This feature enables user to search for POS recorded data according to the specified date and time.
		Software Upgrade: Click to upgrade the system.
		GPS Configuration: GPS Configuration enables user to customize the GPS setting.
		Server Configuration: This is for user to add new server, edit existing servers and to delete servers as well as configure the property of each server.
		POS Configuration: POS configuration enables user to customize the POS setting.
B	Screen Layout	User can choose the screen layout format.

8.1.2 Search & Playback

8.1.2.1 Search By Time



This feature enables user to search for a video data playback according to specific date, time and event type search criteria.

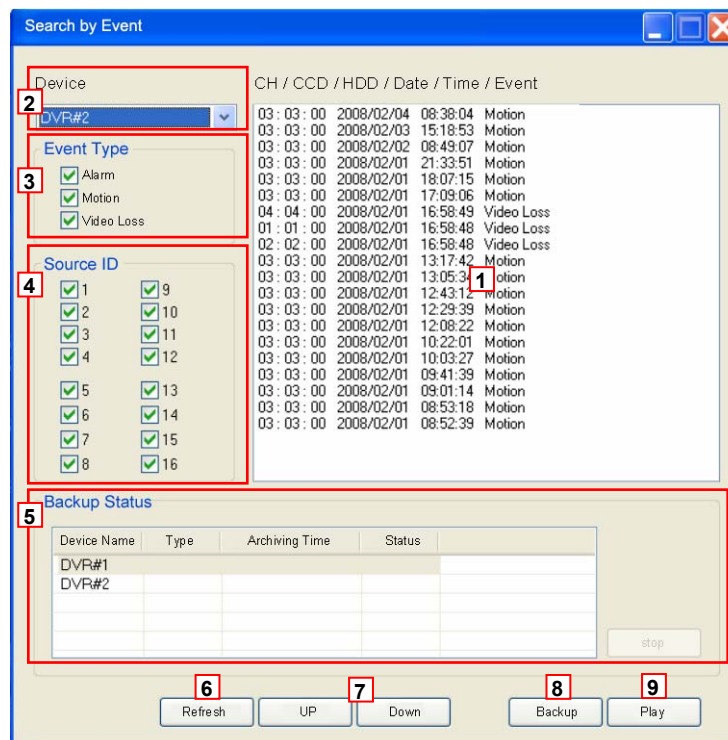


	Name	Description
1	Event Type	Check the type of video as the search criteria.
2	Date/Time	Select the date and time and set it as the search criteria.
3	Play	Click to play the searched video.
4	Search	Click to start the search process.

8.1.2.2 Search By Event





This feature enables user to search for a video data playback according to the device, event type and camera source.



	Name	Description
1	Event List Window	The window lists out all the events searched according to the criteria set.
2	Device	Select the device for the data to be retrieved.
3	Event Type	Set the search criteria according to the event type set.
4	Source ID	Set the search criteria according to the cameras set.
5	Backup Status	The window displays the status of each server.
6	Refresh	Click to refresh the search process.
7	Up/down	Click to scroll along the event list.
8	Backup	Press to backup the highlighted video data manually.
9	Play	Click to play the highlighted video.

8.1.3 PTZ Control

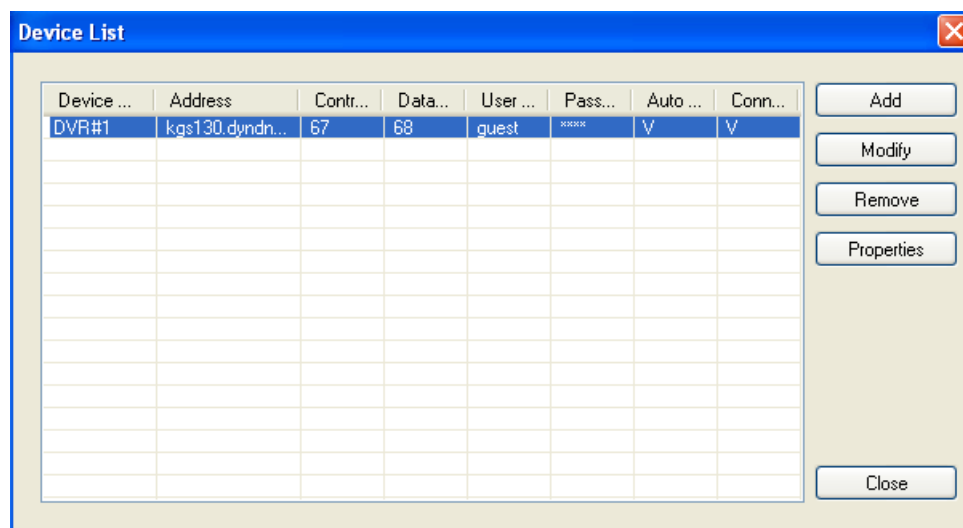


	Name		Description
1	PTZ control		Click to control the pan / tilt / zoom of the PTZ speed dome.
2	Focus		Click  to adjust the focus of the camera.
3	Iris		Click  to adjust the camera iris.
4	Auto Pan	Run	Click to start the auto pan feature.
		Stop	Click to stop the auto pan feature.
		Set Start/End	Click to set the start and end time for automated pan feature.
5	SEQ	Run	Click to turn on sequence surveillance.
		Stop	Click to turn off sequence surveillance.
6	Preset	SET	Click to set the camera at a specific location.
		Goto	Click to access the image taken by the camera at its preset point.

8.1.4 Server Configuration

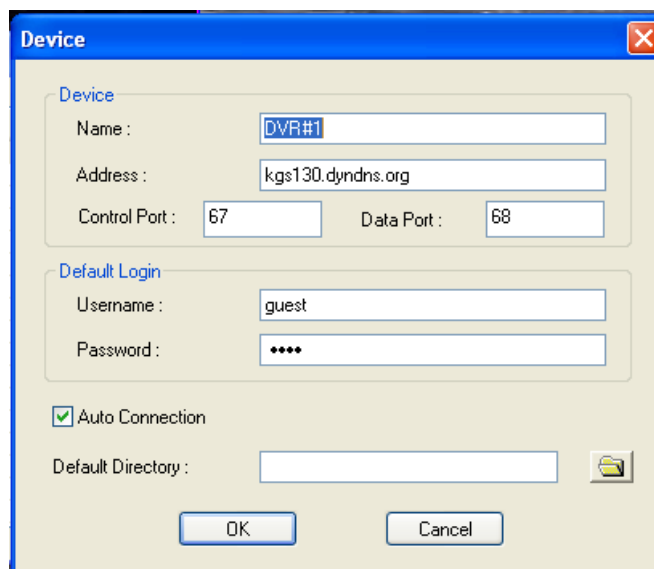


This is for user to add new DVR, edit existing DVR and to delete DVR as well as configure the property of each DVR. Setup configuration of the specific DVR can be modified and uploaded to the respective DVR remotely.



8.1.4.1 Add New Server

Press to add a new server.



STEP1: Enter device name, address, control port, data port, username and password and then click OK.

Optional: User may also select Auto Connection to enable auto connection to the DVS.

8.1.4.2 Modify Server

Press to modify the server information.

Device

Device

Name :

Address :

Control Port : Data Port :

Default Login

Username :

Password :

☒ Auto Connection

Default Directory :

STEP1: Delete all the information that is to be modified.


STEP2: Then enter new information into their respective columns.

STEP3: Then click OK to save changes.


8.1.4.3 Delete Server

[illegible]

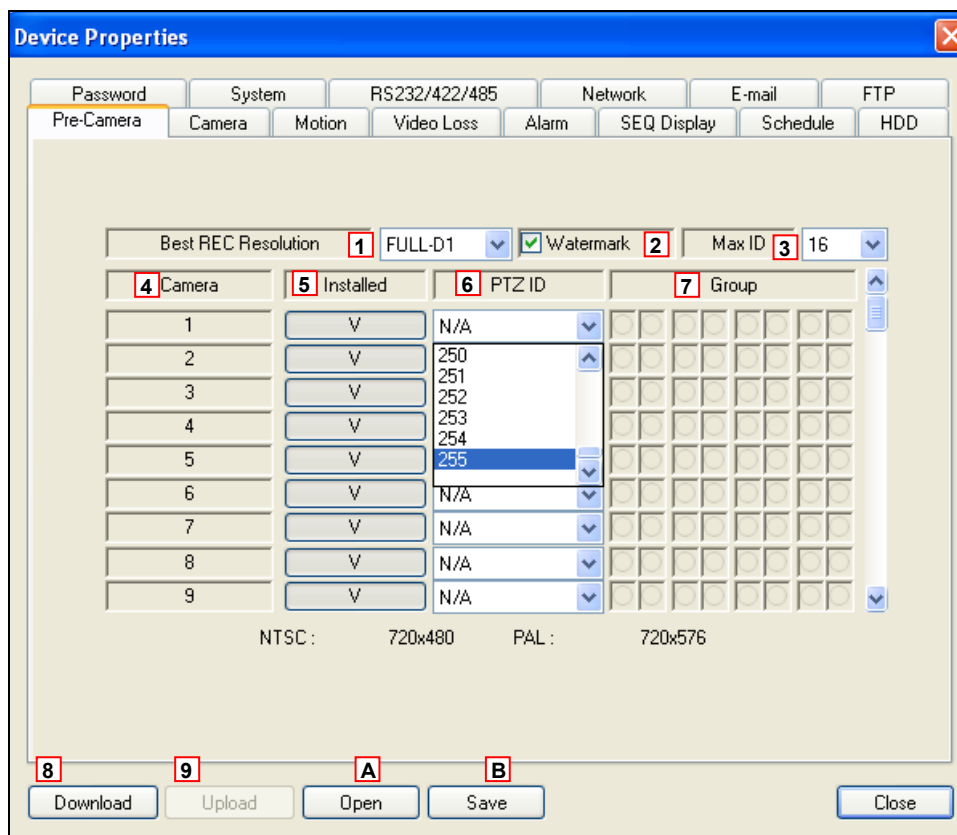
STEP1: Select the Server to be discarded.

STEP2: Click  to delete the server.

8.1.4.4 Configure Server Property

Press  to enter the server configuration page.

8.1.4.4.1 Pre-camera



The **Device Properties** dialog box is shown with the **Pre-Camera** tab selected. The dialog contains several tabs: Password, System, RS232/422/485, Network, E-mail, FTP, Pre-Camera, Camera, Motion, Video Loss, Alarm, SEQ Display, Schedule, and HDD. The **Pre-Camera** tab is active, displaying the following configuration options:

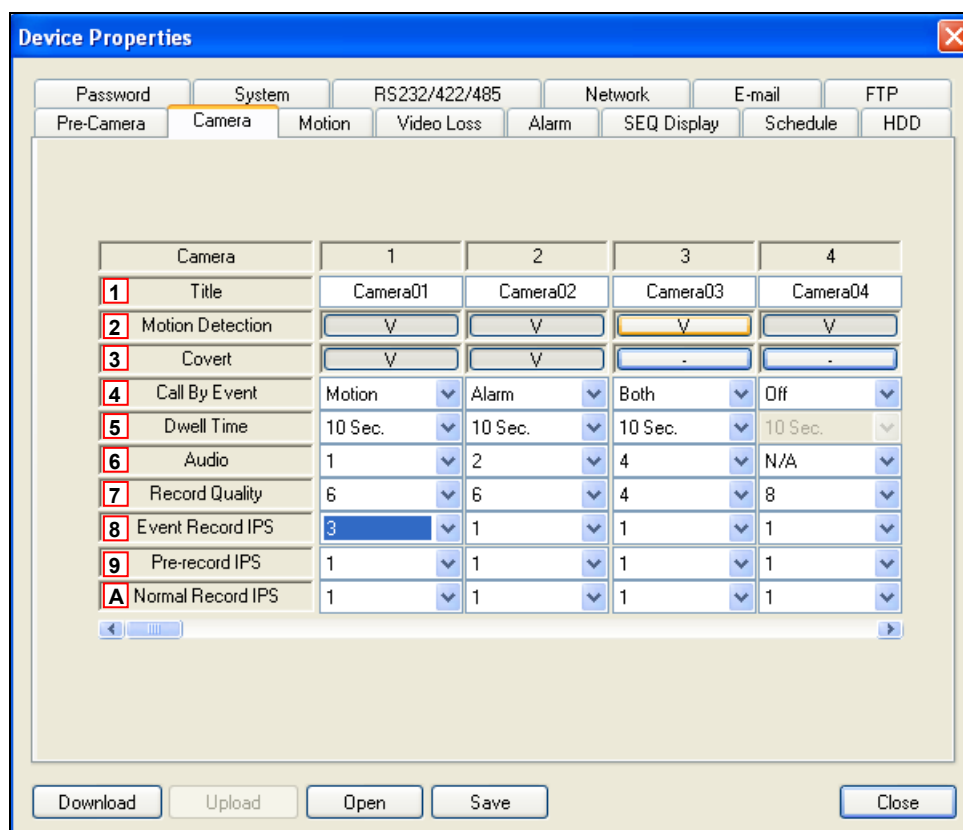
- Best REC Resolution** (1): FULL-D1
- Watermark** (2): ☒
- Max ID** (3): 16
- Camera** (4): A list of 9 cameras.
- Installed** (5): A column of checkboxes for each camera.
- PTZ ID** (6): A dropdown menu for each camera.
- Group** (7): A grid of checkboxes for assigning cameras to groups.

At the bottom of the dialog, there are four buttons: **Download** (8), **Upload** (9), **Open** (A), and **Save** (B). A **Close** button is also present in the bottom right corner.

	Name	Description
1	Best REC Resolution	Select to adjust the recording resolution.
2	Watermark	Click to watermark the video.
3	Max ID	Click to set the maximum number of camera available on a specific DVR.
4	Camera	This shows the camera of a specific DVR.
5	Installed	Click to activate the camera.
6	PTZ ID	Assign an ID to the PTZ camera for identification purpose.
7	Group	Allow the assignment of each camera into different groups.
8	Download	This function enables user to download the original configuration from the host system should any accidental modification occur. It also allows user to reconfirm whether the modified configuration has been properly updated to the host system.
9	Upload	Click to upload the modified configuration to the host system through internet.

A	Open	Click to apply the previously saved setting to the current configuration.
B	Save	Press to save the setting to a specified location.

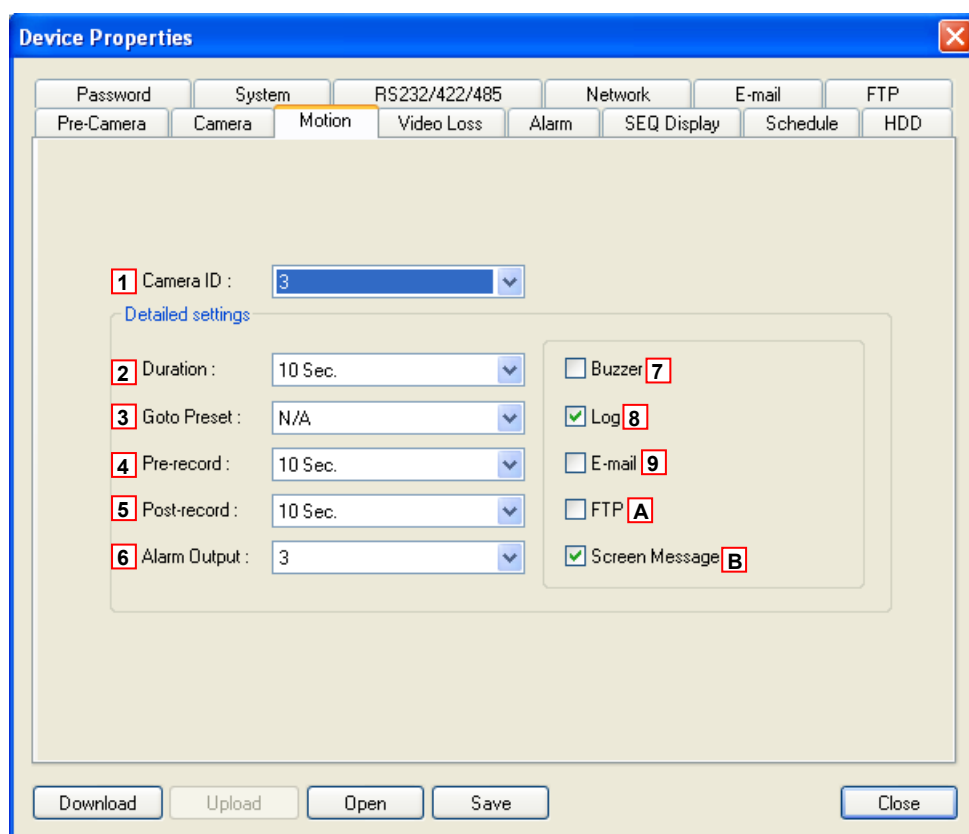
8.1.4.4.2 Camera



Camera	1	2	3	4
1 Title	Camera01	Camera02	Camera03	Camera04
2 Motion Detection	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Covert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Call By Event	Motion	Alarm	Both	Off
5 Dwell Time	10 Sec.	10 Sec.	10 Sec.	10 Sec.
6 Audio	1	2	4	N/A
7 Record Quality	6	6	4	8
8 Event Record IPS	3	1	1	1
9 Pre-record IPS	1	1	1	1
A Normal Record IPS	1	1	1	1

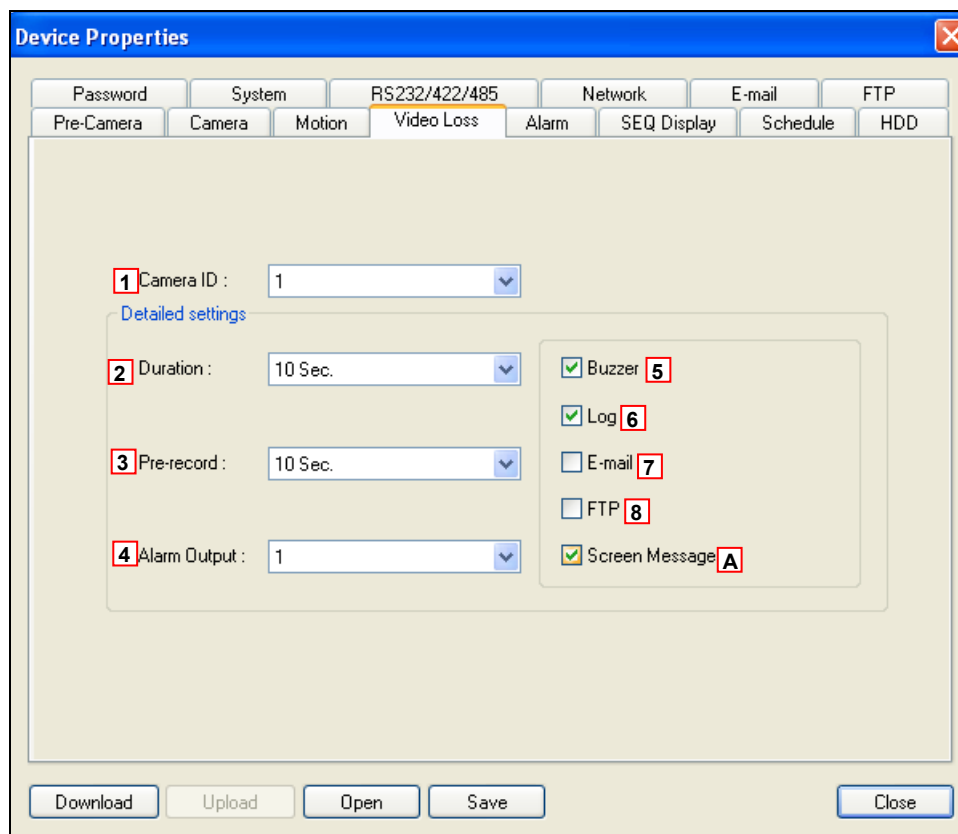
	Name	Description
1	Title	Assign a title to each camera for easy identification.
2	Motion Detection	Click to activate the motion detection feature for the specific camera.
3	Covert	Click to activate the covert feature for the specific camera. <i>NOTE: When covert is activated, only administrator/supervisor level users can view the live video of the respected camera.</i>
4	Call By Event	Click to select the purpose of the camera whether it is for motion detection, alarm or both.
5	Dwell Time	Select the interval period of each camera display.
6	Audio	Click to select the audio input.
7	Record Quality	Allow the adjustment of recording quality.
8	Event Record IPS	Allow the adjustment of event recording rate.
9	Pre-record IPS	Allow the adjustment of pre-recording rate.
A	Normal Record IPS	Allow the adjustment of normal recording rate.

8.1.4.4.3 Motion



	Name	Description
1	Camera ID	Select the camera as a motion trigger.
2	Duration	Set the notification duration during motion detection.
3	Goto Preset	Set which camera preset location to be displayed upon a motion
4	Pre-record	Set the pre-recording time.
5	Post-record	Set the post-recording time.
6	Alarm Output	Select the alarm output notification during motion detection.
7	Buzzer	Click this to enable the activation of buzzer warning during motion detection.
8	Log	Click this to enable the creation of a log during motion detection.
9	Email	Click this to enable a text notification display on the screen during motion detection.
A	FTP	Click this to have an email notification during motion detection.
B	Screen Message	Click this to have the notification sent to the FTP server during motion detection.

8.1.4.4.4 Video Loss



Device Properties

RS232/422/485

Pre-Camera Camera Motion **Video Loss** Alarm SEQ Display Schedule HDD

1 Camera ID : 1

Detailed settings

2 Duration : 10 Sec.

3 Pre-record : 10 Sec.

4 Alarm Output : 1

5 ☒ Buzzer

6 ☒ Log

7 ☐ E-mail

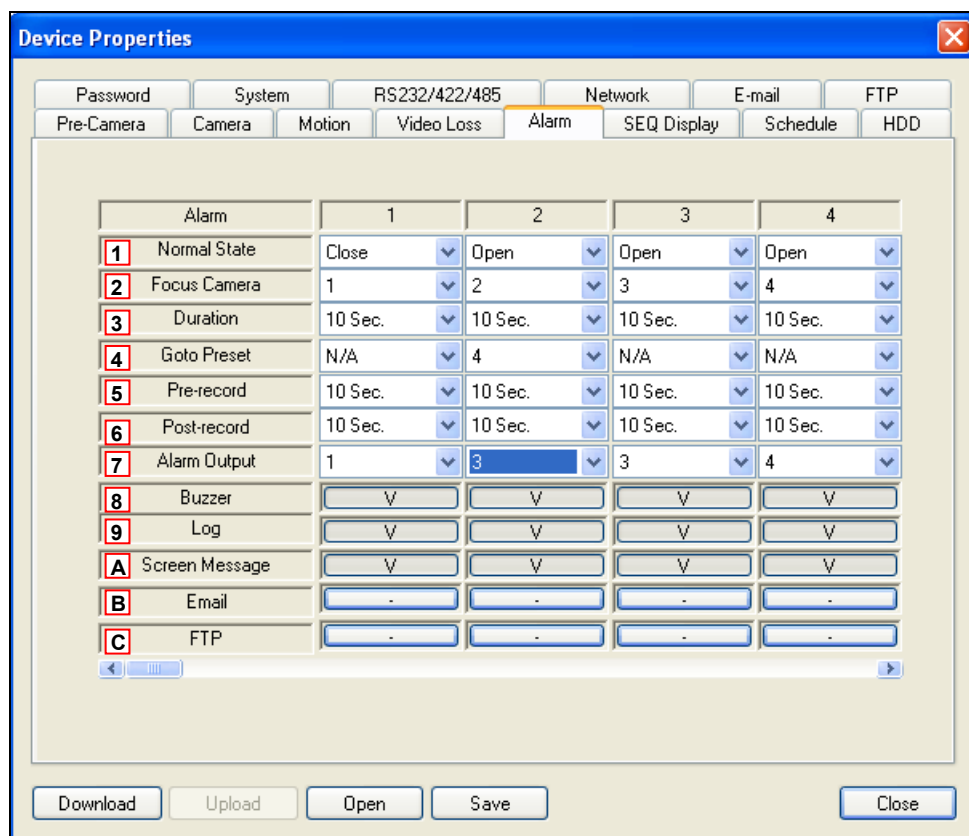
8 ☐ FTP

A ☒ Screen Message

Download Upload Open Save Close

	Name	Description
1	Camera ID	Select the camera as a video loss trigger.
2	Duration	Set the notification duration during video loss.
2	Pre-record	Set the pre-recording time.
4	Alarm Output	Select the alarm output notification during video loss.
5	Buzzer	Click this to enable the activation of buzzer warning during video loss.
6	Log	Click this to enable the creation of a log during video loss.
7	Email	Click this to enable a text notification display on the screen during video loss.
8	FTP	Click this to have an email notification during video loss.
A	Screen Message	Click this to have the notification sent to the FTP server during video loss.

8.1.4.4.5 Alarm

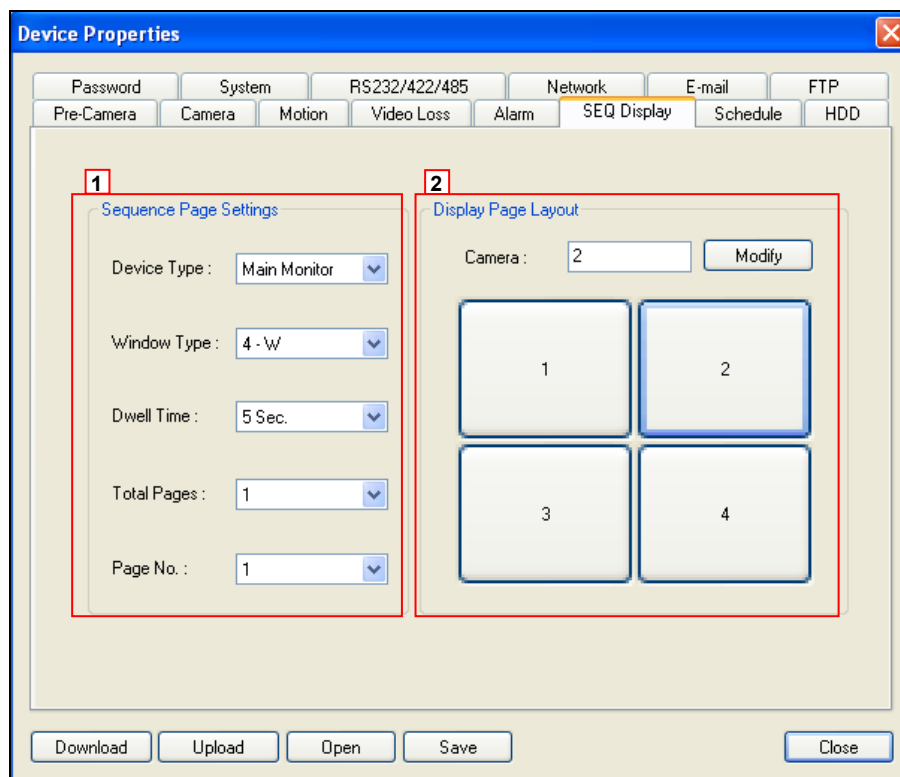


Alarm	1	2	3	4
1 Normal State	Close	Open	Open	Open
2 Focus Camera	1	2	3	4
3 Duration	10 Sec.	10 Sec.	10 Sec.	10 Sec.
4 Goto Preset	N/A	4	N/A	N/A
5 Pre-record	10 Sec.	10 Sec.	10 Sec.	10 Sec.
6 Post-record	10 Sec.	10 Sec.	10 Sec.	10 Sec.
7 Alarm Output	1	3	3	4
8 Buzzer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9 Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A Screen Message	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B Email	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C FTP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Name	Description
1	Normal State	Choose to turn on/off the alarm condition during normal state.
2	Focus Camera	Choose the focus camera upon an alarm trigger.
3	Duration	Set the alarm duration once it is triggered.
4	Goto Preset	Set which camera preset location to be displayed upon an alarm trigger.
5	Pre-record	Set the pre-recording time.
6	Post-record	Set the post-recording time.
7	Alarm Output	Assign an alarm output when the alarm is triggered.
8	Buzzer	Click this to enable the activation of buzzer warning during an alarm trigger.
9	Log	Click this to enable the creation of a log when the alarm is triggered.
A	Screen Message	Click this to enable a text notification display on the screen during an alarm trigger.
B	Email	Click this to have an email notification during an alarm trigger.
C	FTP	Click this to have the notification sent to the FTP server upon an alarm trigger.

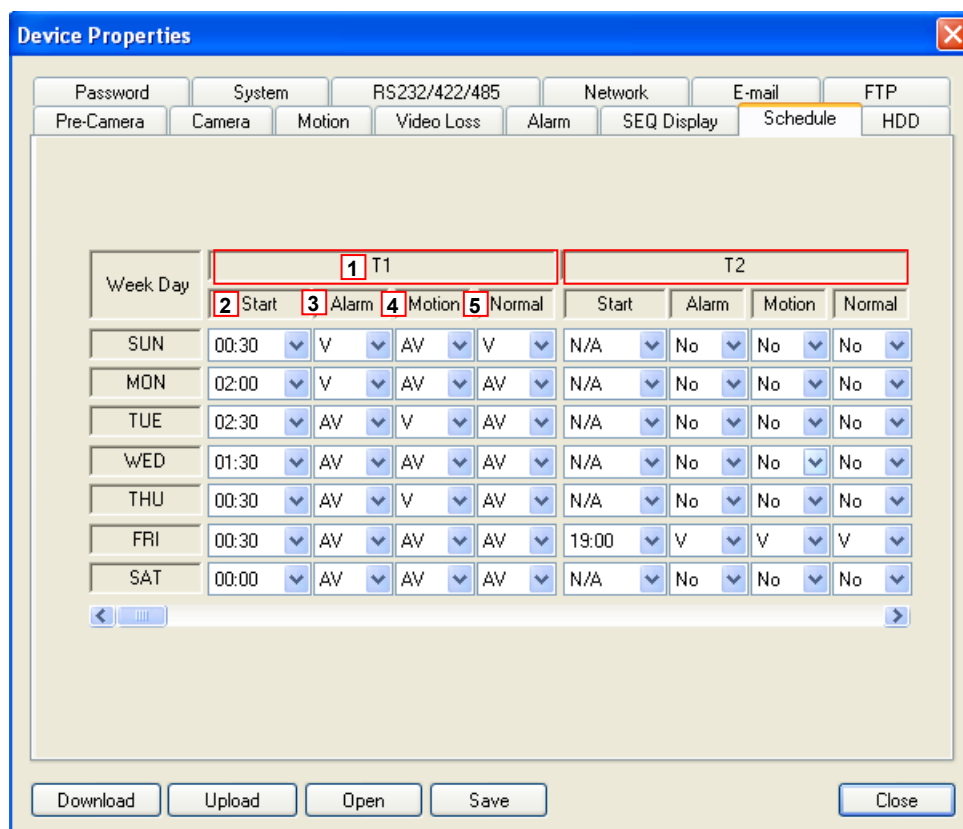
8.1.4.4.6 SEQ Display

This configuration allows user to setup the order of the surveillance sequence of each DVR.



	Name		Description
1	Sequence Page Setting	Device Type	Select the appropriate monitor for the surveillance sequence.
		Window Type	Select the number of display channel for each surveillance page.
		Dwell Time	Select the interval period of each surveillance page.
		Total Page	Select the total number of page that will be displayed in the surveillance order.
		Page No.	User can set the camera to be displayed on the selected surveillance page.
2	Display Page Layout		Set the camera to be displayed on the selected surveillance page then click modify.

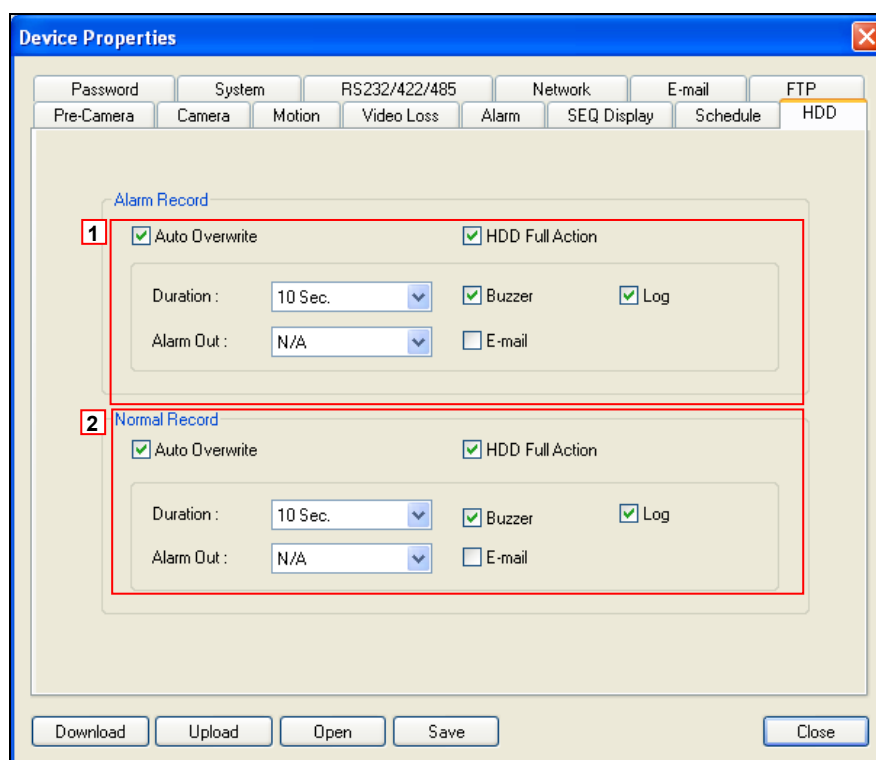
8.1.4.4.7 Schedule



Week Day	1 T1				T2			
	2 Start	3 Alarm	4 Motion	5 Normal	Start	Alarm	Motion	Normal
SUN	00:30	V	AV	V	N/A	No	No	No
MON	02:00	V	AV	AV	N/A	No	No	No
TUE	02:30	AV	V	AV	N/A	No	No	No
WED	01:30	AV	AV	AV	N/A	No	No	No
THU	00:30	AV	V	AV	N/A	No	No	No
FRI	00:30	AV	AV	AV	19:00	V	V	V
SAT	00:00	AV	AV	AV	N/A	No	No	No

	Name	Description
1	T(x)	<p>This represents the number of schedule segment.</p> <p>※User can set up to a maximum of 16 different schedule segments.</p> <p>The beginning of the new schedule segment represents the end of the previous schedule segment. Thus, a warning dialog box will appear when two time schedule segments overlap.</p>
2	Start	Allows user to set the start recording time.
3	Alarm	User may choose to only record video or audio or both video and audio during alarm recording period.
4	Motion	User may choose to only record video or audio or both video and audio during motion detection recording period.
5	Normal	User may choose to only record video or audio or both video and audio during normal recording period.

8.1.4.4.8 HDD



Device Properties

Password System RS232/422/485 Network E-mail FTP

Pre-Camera Camera Motion Video Loss Alarm SEQ Display Schedule **HDD**

Alarm Record

1 ☒ Auto Overwrite ☒ HDD Full Action

Duration : 10 Sec. ☒ Buzzer ☒ Log

Alarm Out : N/A ☐ E-mail

Normal Record

2 ☒ Auto Overwrite ☒ HDD Full Action

Duration : 10 Sec. ☒ Buzzer ☒ Log

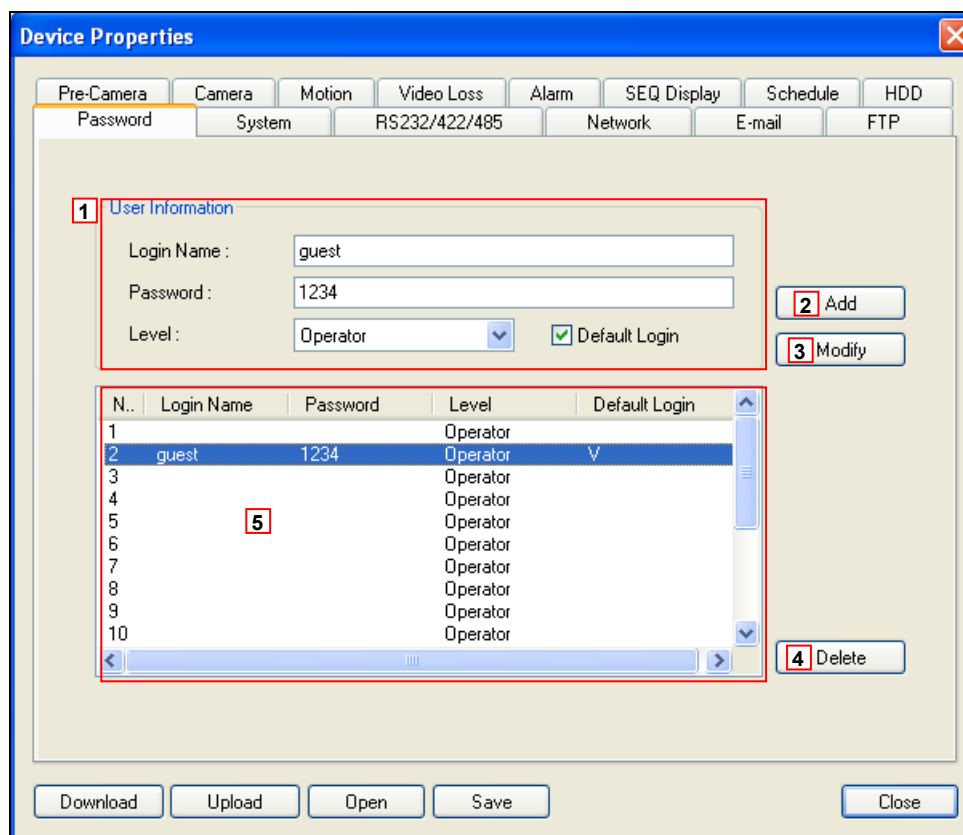
Alarm Out : N/A ☐ E-mail

Download Upload Open Save Close

	Name		Description
1	Alarm Record	Auto Overwrite	Select this will enable the overwritten of old data when the disk capacity is achieved.
		HDD Full Action	Select this will enable full usage of HDD capacity.
		Duration	User may set the duration of warning period.
		Alarm Out	User may set the alarm out device.
		Buzzer	Click to enable buzzer warning.
		Email	Check to enable warning notification being sent to email.
		Log	Click to enable the creation of log.
2	Normal Record	Auto Overwrite	Select this will enable the overwritten of old data when the disk capacity is achieved.
		HDD Full Action	Select this will enable full usage of HDD capacity.
		Duration	User may set the duration of warning period.
		Alarm Out	User may set the alarm out device.
		Buzzer	Click to enable buzzer warning.
		Email	Click to enable warning notification being sent to email.
		Log	Click to enable the creation of log.

8.1.4.4.9 Password

This configuration allows administrator to assign login name and password to other users.



Device Properties

Pre-Camera Camera Motion Video Loss Alarm SEQ Display Schedule HDD

Password System RS232/422/485 Network E-mail FTP

1 User Information

Login Name : guest

Password : 1234

Level : Operator ☒ Default Login

2 Add **3 Modify**

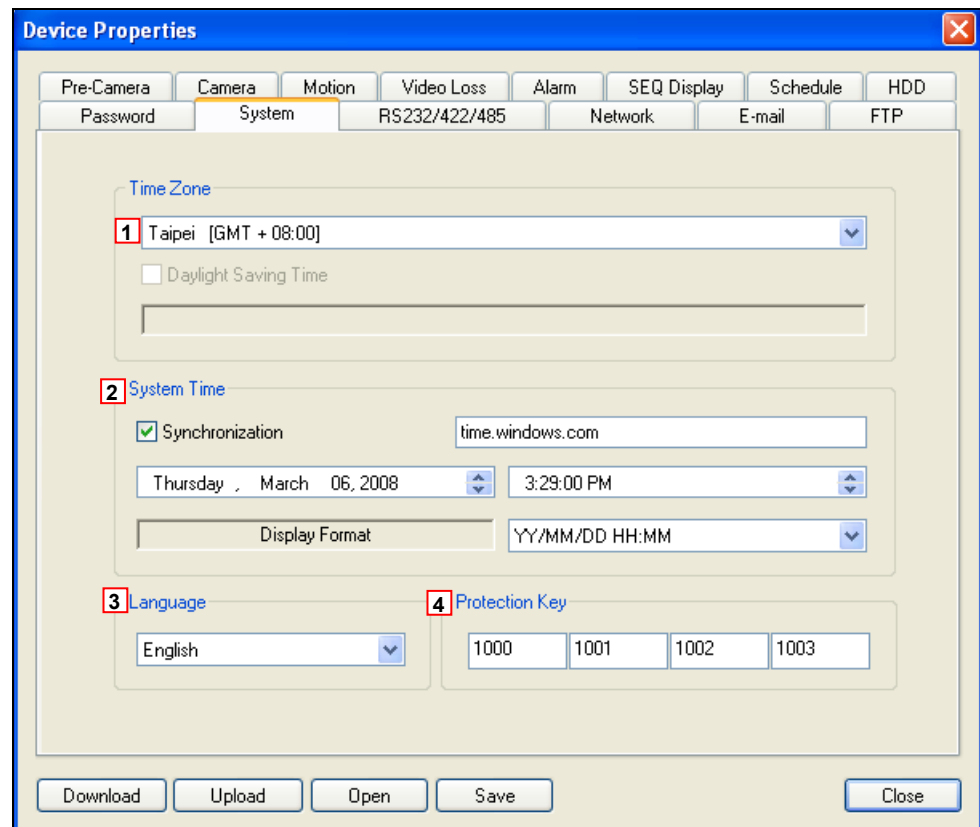
N..	Login Name	Password	Level	Default Login
1			Operator	
2	guest	1234	Operator	V
3			Operator	
4			Operator	
5			Operator	
6			Operator	
7			Operator	
8			Operator	
9			Operator	
10			Operator	

4 Delete

Download Upload Open Save Close

	Name	Description
1	User Information	Administrator can create user accounts for other users by assigning login name, password and user level.
2	Add	Click to add a new user account.
3	Modify	Click to change the user account information.
4	Delete	Click to delete a user account.
5	User List	The window displays all the user accounts.

8.1.4.4.10 System



Device Properties

Pre-Camera Camera Motion Video Loss Alarm SEQ Display Schedule HDD

Password System RS232/422/485 Network E-mail FTP

Time Zone

1 Taipei [GMT + 08:00]

☐ Daylight Saving Time

System Time

☒ Synchronization time.windows.com

Thursday, March 06, 2008 3:29:00 PM

Display Format YY/MM/DD HH:MM

Language

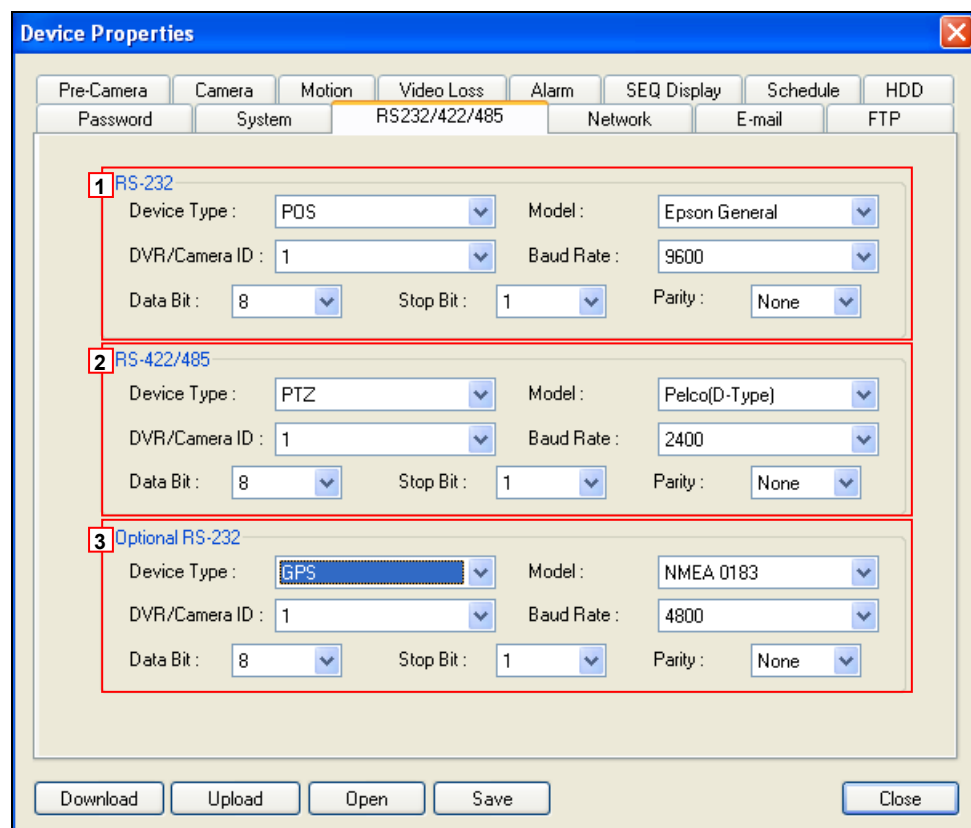
English

Protection Key

1000 1001 1002 1003

Download Upload Open Save Close

	Name	Description
1	Time zone	Select the suitable time zone from the drop down menu.
2	System time	User can manually set the time of the system or set the system to synchronize its time with a specific standard time server.
3	Language	Choose a language setting from the drop down menu.
4	Protection Key	This function is currently inapplicable.

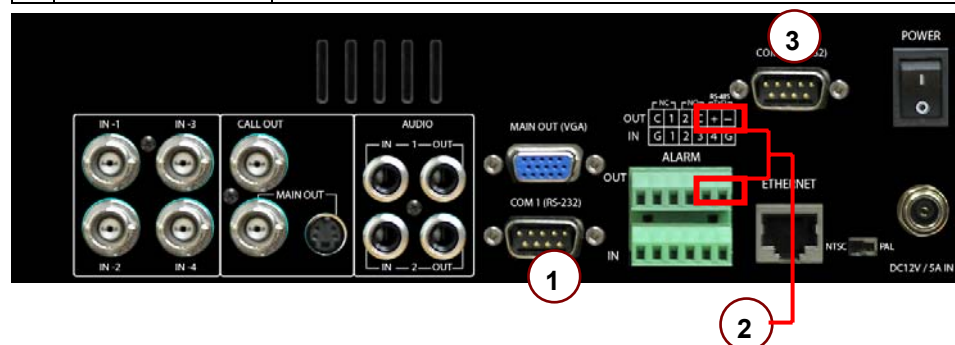


The image shows the 'Device Properties' dialog box with the 'RS232/422/485' tab selected. It contains three sections for configuring different device types:

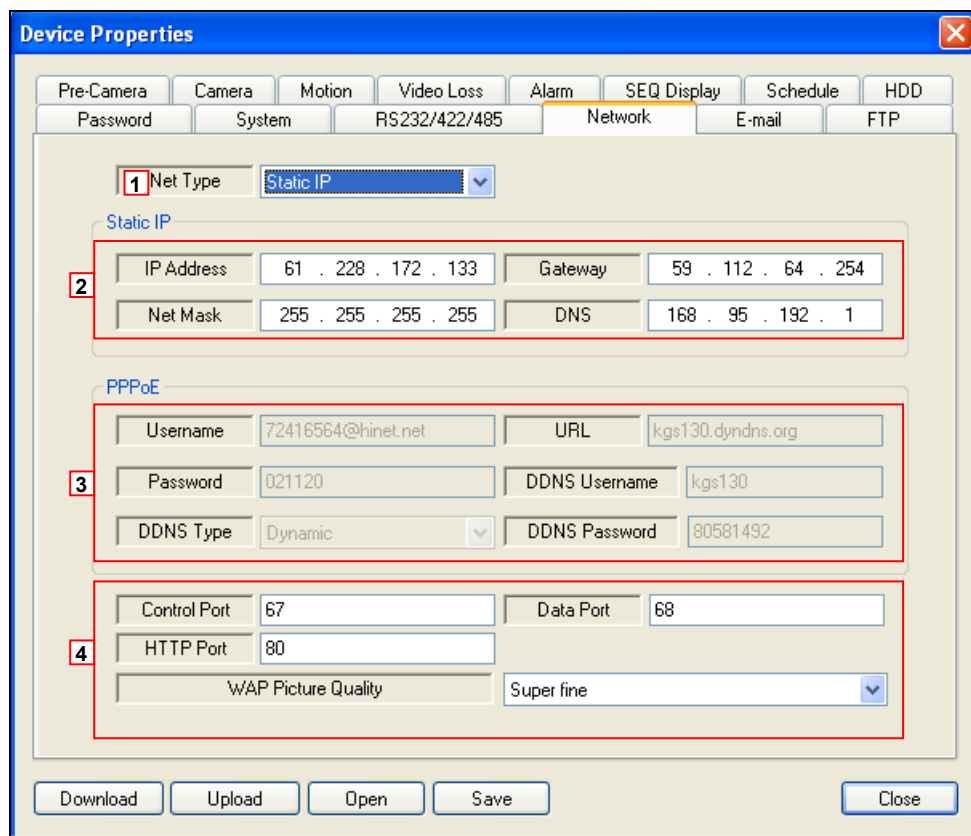
- 1 RS-232:** Device Type: PDS, Model: Epson General, DVR/Camera ID: 1, Baud Rate: 9600, Data Bit: 8, Stop Bit: 1, Parity: None.
- 2 RS-422/485:** Device Type: PTZ, Model: Pelco(D-Type), DVR/Camera ID: 1, Baud Rate: 2400, Data Bit: 8, Stop Bit: 1, Parity: None.
- 3 Optional RS-232:** Device Type: GPS, Model: NMEA 0183, DVR/Camera ID: 1, Baud Rate: 4800, Data Bit: 8, Stop Bit: 1, Parity: None.

Buttons at the bottom include Download, Upload, Open, Save, and Close.

	Name	Description
1	RS-232	Select the appropriate device that uses the RS-232 signal, device model, camera ID, baud rate, data bit, stop bit and parity from the drop down menus.
2	RS-422/485	Select the appropriate device that uses the RS-422/485 signal, device model, camera ID, baud rate, data bit, stop bit and parity from the drop down menus.
3	Optional RS-232	Select the appropriate device that uses the RS-232 signal, device model, camera ID, baud rate, data bit, stop bit and parity from the drop down menus.



8.1.4.4.12 Network



Device Properties

Pre-Camera Camera Motion Video Loss Alarm SEQ Display Schedule HDD
Password System RS232/422/485 Network E-mail FTP

1 Net Type Static IP

Static IP

2 IP Address 61 . 228 . 172 . 133 Gateway 59 . 112 . 64 . 254
Net Mask 255 . 255 . 255 . 255 DNS 168 . 95 . 192 . 1

PPPoE

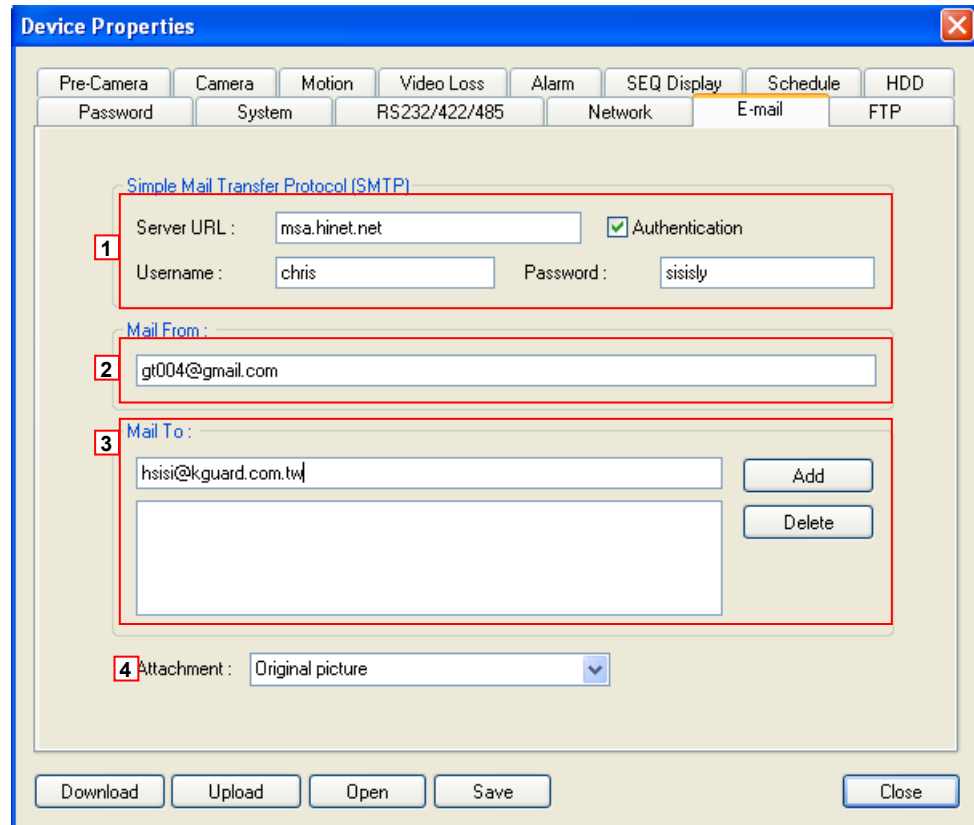
3 Username 72416564@hinet.net URL kgs130.dyndns.org
Password 021120 DDNS Username kgs130
DDNS Type Dynamic DDNS Password 80581492

4 Control Port 67 Data Port 68
HTTP Port 80
WAP Picture Quality Super fine

Download Upload Open Save Close

	Name	Description
1	Net Type	Choose the appropriate net type to configure. There are 3 types of net: Static IP, PPPoE and DHCP
2	Static IP	Type in the correct IP address, net mask, gateway and DNS. <i>Note: This section is only available when Static IP net is selected.</i>
3	PPPoE	Type in all the information in their respective columns. <i>Note: This section is only available for information entry when PPPoE net is selected.</i>
4	Control Port/ Data Port/ HTTP Port/ Warp Picture Quality	Fill in the correct port number in their respective columns. <i>Note This section is available for both static IP and PPPoE net.</i>

8.1.4.4.13 Email



Device Properties

Pre-Camera Camera Motion Video Loss Alarm SEQ Display Schedule HDD
 Password System RS232/422/485 Network E-mail FTP

Simple Mail Transfer Protocol (SMTP)

1 Server URL : msa.hinet.net ☒ Authentication
 Username : chris Password : sisistly

2 Mail From : gt004@gmail.com

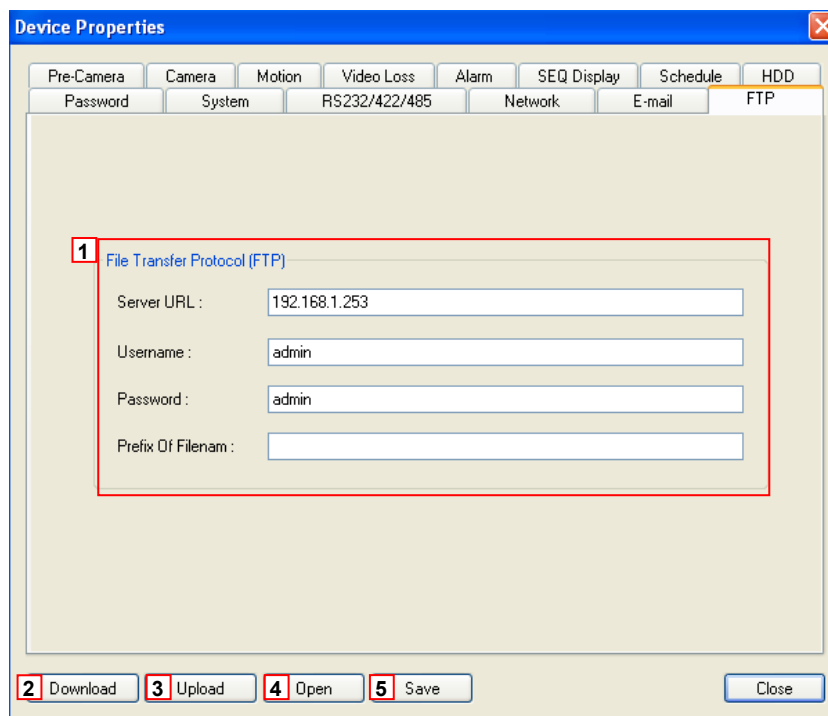
3 Mail To :
 hsisi@kguard.com.tw Add
 Delete

4 Attachment : Original picture

Download Upload Open Save Close

	Name	Description
1	SMTP	Type in the server URL, username and password.
2	Mail From	Enter the email address of the sender.
3	Mail To	Enter the email address of the recipient.
4	Attachment	User can select the type of image to be attached to the mail.

8.1.4.4.14 FTP



Device Properties

Pre-Camera Camera Motion Video Loss Alarm SEQ Display Schedule HDD
Password System RS232/422/485 Network E-mail FTP

1 File Transfer Protocol (FTP)

Server URL : 192.168.1.253

Username : admin

Password : admin

Prefix Of Filename :

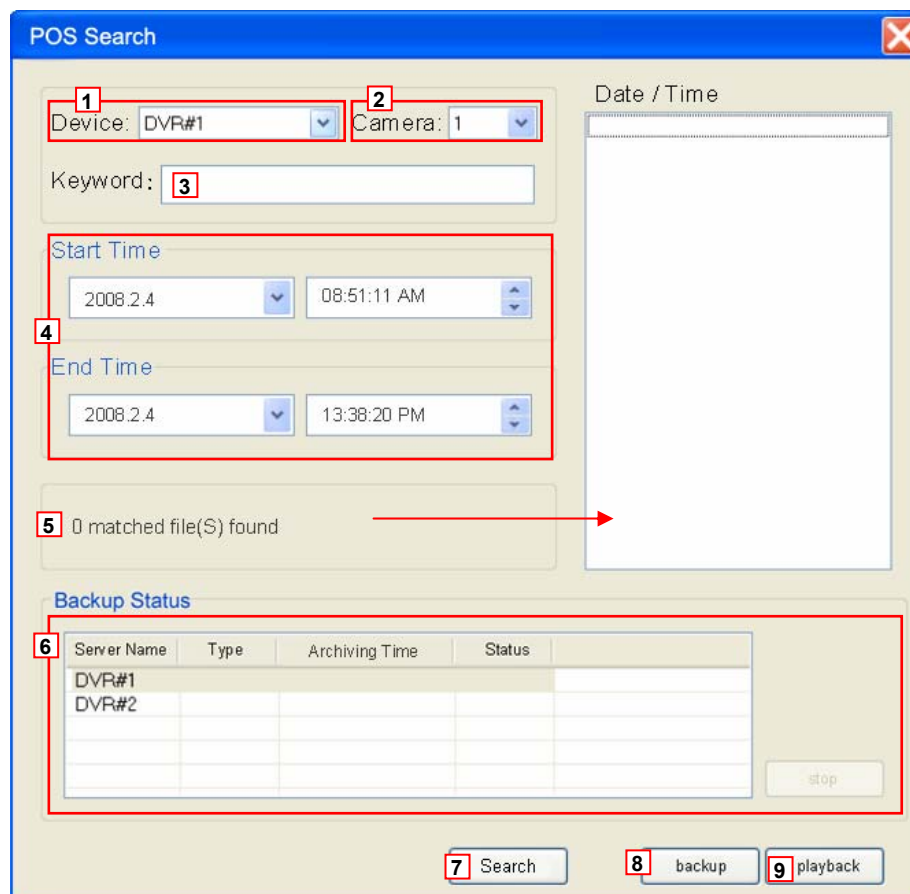
2 Download **3** Upload **4** Open **5** Save Close

	Name	Description
1	File Transfer Protocol	Fill in the FTP server address, username and password. User may also choose to assign a prefix for each file to enable easy differentiation.
2	Download	This function enables user to download the original configuration from the host system should any accidental modification occur. It also allows user to reconfirm whether the modified configuration has been properly updated to the host system.
3	Upload	Click to upload the modified configuration to the host system through internet.
4	Open	Click to apply the previously saved setting to the current configuration.
5	Save	Press to save the setting to a specified location.

8.1.5 POS Search



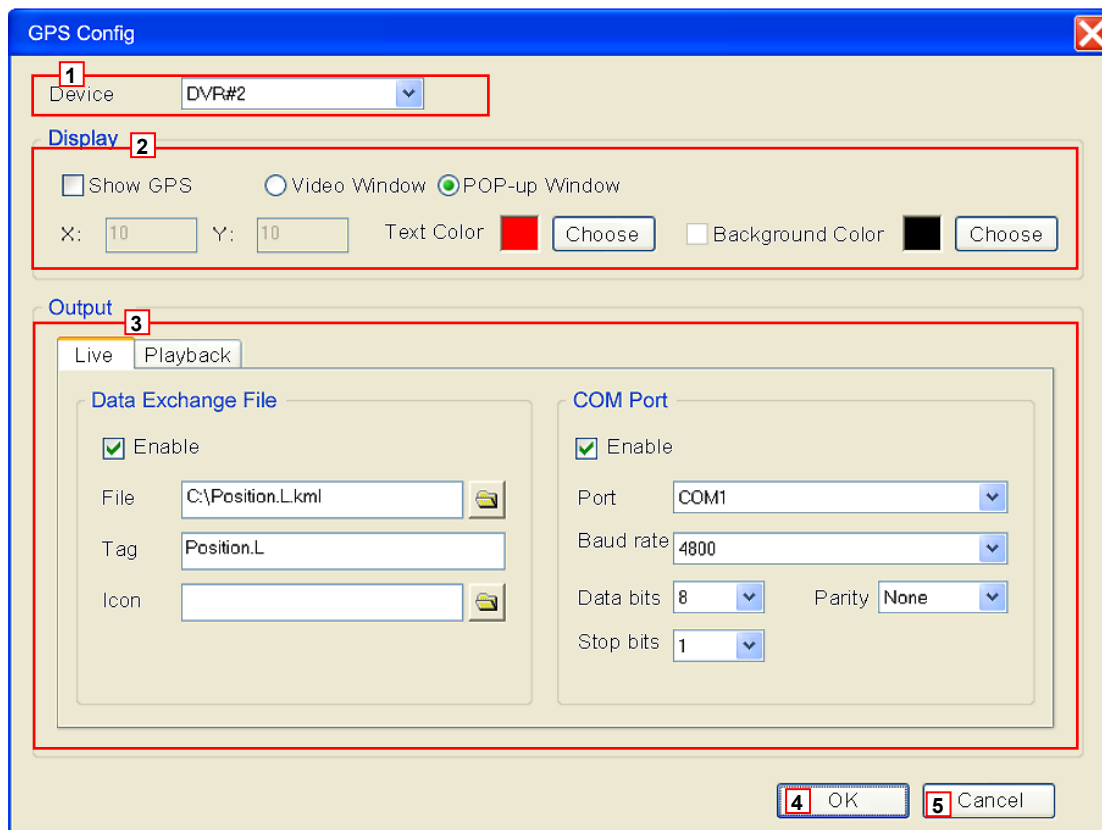
This feature is designed to allow IE client to be able to search for POS data file of a specific device within a specific range of time period. User can also create a backup for POS data and play data file.



	Name	Description
1	Device	Select the device for the retrieval of POS data.
2	Camera	Select the camera source of the POS data.
3	Keyword	Type in the keyword of the data file as part of the search criteria.
4	Start Time / End Time	Specify the time period for the retrieval of the POS record.
5	Result list	This section shows the number of files found and a list of file that matches the criteria will be shown in the Date/Time window.
6	Backup status	This window will show the status of the backup process.
7	Search	Press to start the search process.
8	Backup	Pres to start the backup process of the selected record.
9	Playback	Press to start the playback of the highlighted file.

8.1.6 GPS Configuration

This feature is designed to allow user to be able to configure the GPS setting via IE.

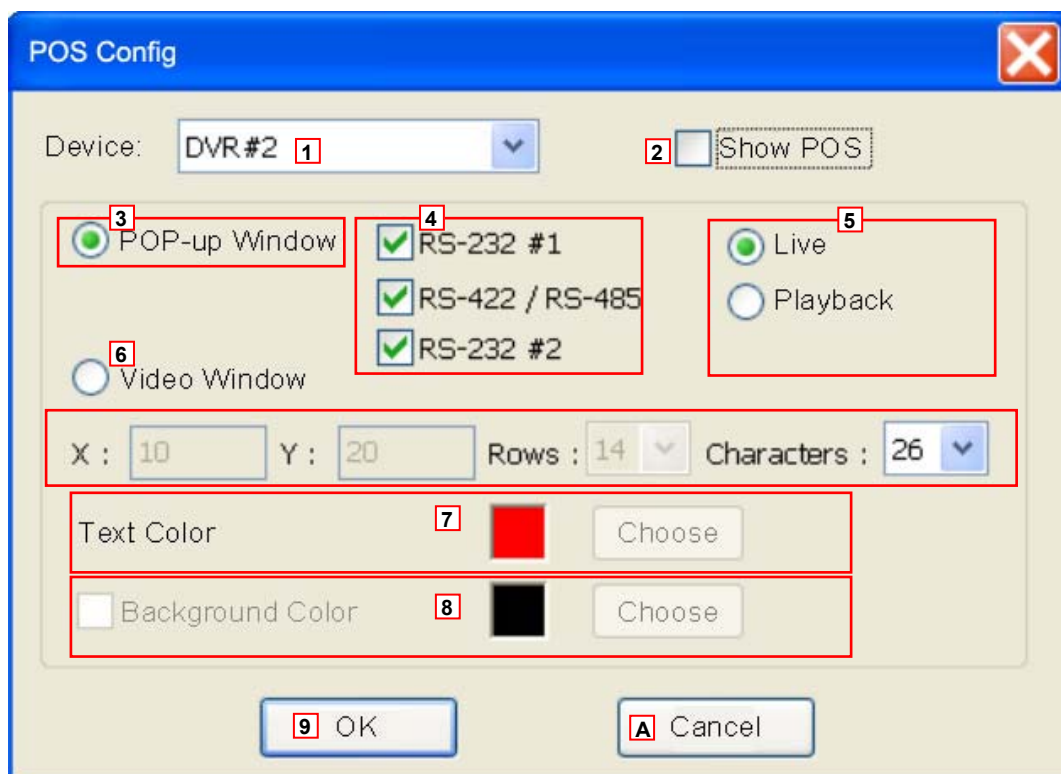


	Name	Description
1	Device	Select the DVR that is connected with GPS.
2	Display	Show GPS
		Click to enable the display of GPS.
		Video Window
		Click to display GPS in the video channel of the selected camera. User may adjust the coordinates of the window through the X & Y values.
		Pop-up window
		Check to display GPS in a separate window.
		Text color
		User can select the font color for the GPS text.
		Background Color
		User can select the background color of the GPS window.
	Output	Live/Playback
		User can choose to configure live or playback GPS output configuration.
		Live >>Data Exchange File
		This is to allow user to save the live or playback GPS data to a specified folder.
		Live >>COM port
		This is to configure the port used for GPS device.
4	OK	Click to save the changes.
5	Cancel	Click to cancel the changes.

8.1.7 POS Configuration



This feature is designed to allow user to be able to configure the POS setting via IE.



	Name	Description
1	Device	Select the DVR that is connected with POS.
2	Show POS	Click to display the POS window on the screen.
3	POP-up Window	Click to display the POS information on a separate window.
4	Signal Type	Click to select the signal that applies.
5	Live/Playback	User can choose to configure live or playback POS output configuration.
6	Video Window	Click to display POS in the video channel of the selected camera. User may adjust the size of the display window through the Rows/Character value and the coordinates of the window through the X & Y values.
7	Text Color	User can select the font color for the POS text.
8	Background Color	Click to apply background color to the display window. User can select the background color of the POS window.
9	OK	Click to save the changes.
A	Cancel	Click to cancel the changes.

8.2 Remote Access via PDA



Attention: User must properly configure the network setup (section 5.6.10) and connect the system to the internet for PDA access to function.

This is an example using Nokia N73

Step 1: Connect to internet by clicking on **Web**.

Step 2: Type in the IP address of the S-130 system to access the connection page.

Step 3: Press yes to confirm connection.

Step 4: Type in the login ID and password to log into the system.

- The default login name: aa

- The default password: 11

Step 5: Click on the camera number to view image of the camera.

NOTE: User has to press OK in order to view the next image.



Step 1



Step 2



Step 3



Step 4



Step 5

9 CMS2000

CMS2000 is the only security solution that offers multiple point access and multiple device integration over a network system. To increase its diversified capability, the system is fully compatible with almost all of Kguard security solution series including DVS, standalone DVRs and DVR cards. CMS2000 is designed for its IP based versatility and its integrability with DVR and DVS to enhance its security integrity. Therefore administrator and authorized clients can easily monitor and control the activities and security of their respected settings and playback recorded data just with a click on the CMS2000 network.

Benefits

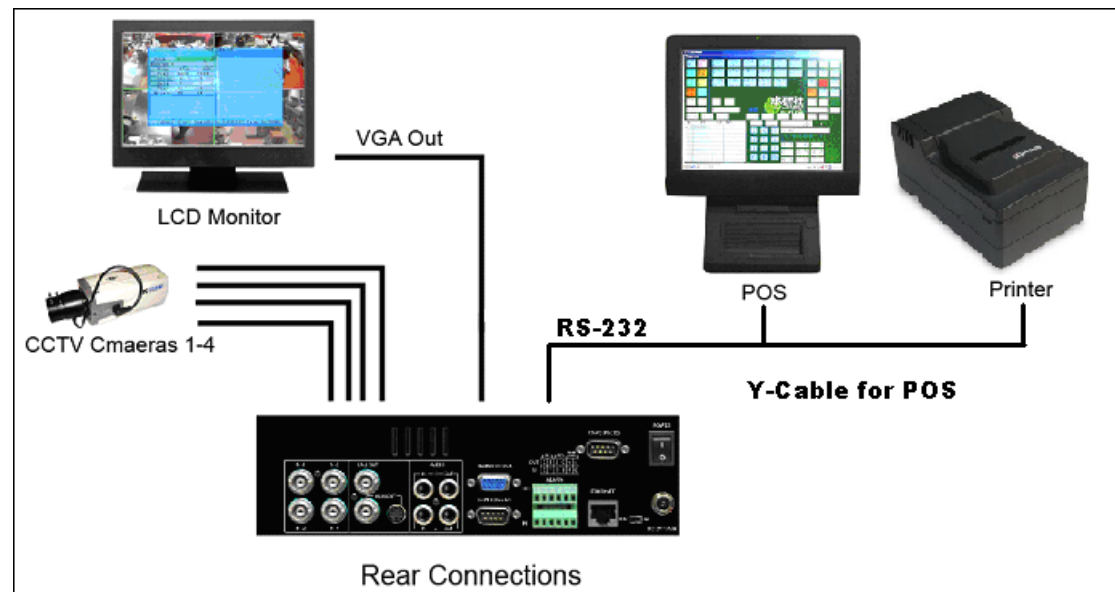
1. Multi-Level Authority Control
2. E-map graphic control menu
3. Multiple camera real-time monitoring
4. Historical video data playback
5. Control up to 100/300/600 Cameras
6. Remote control management
7. Hybrid system integration
8. Web-based structure design

NOTE:

This DVR system fully supports Kguard CMS2000 security solution series. Please refer to the following for detail description on CMS2000.

Appendix A – POS Connection Setup

SH-130 is designed to support the integration of POS system. This picture illustrates the connection diagram of the POS system with the standalone DVR system (SH-130).



NOTE:

When printer is not connected, the printer terminal of the Y-cable must be connected to a terminator.

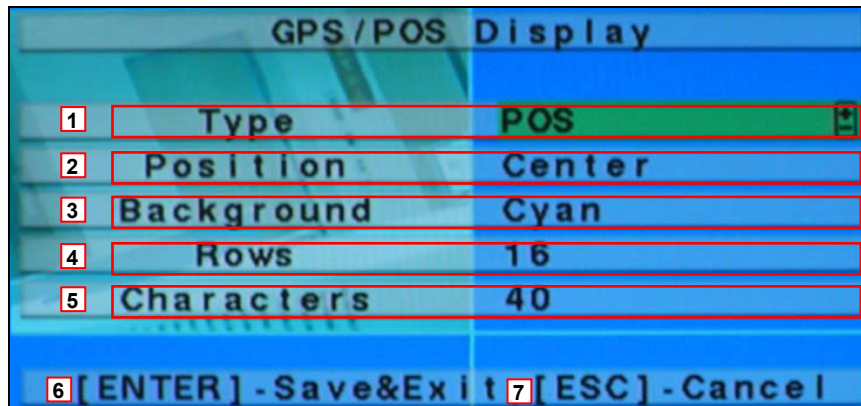
Appendix B – POS






This image shows the display of 4 video channels with 1 POS channel overlay at the center of the screen.



Appendix C - GPS/POS Display Setting

Click **Set/Enter** to call up the GPS/POS setting.



	Name	Description
1	Type	Click  to select either GPS or POS as the display type.
2	Position	Click  to adjust the position of the GPS/POS display window.
3	Background	Click  to select the background color of the display window.
4	Rows	Click  to set the height of the POS display window. <i>NOTE: This feature is only available for POS display.</i>
5	Characters	Click  to set the width of the POS display window. <i>NOTE: This feature is only available for POS display</i>
6	Enter	Click to save and exit the setting.
7	ESC	Click to exit without saving the configuration.

NOTE:

User needs to configure RS-232/422/485 setting for GPS and POS to function properly. (Please cross-reference to section 4.6.9 during setup)

※ Supported POS Devices :

Serial Epson-TM8811, TM200, TMU295, TMU300, TMU675, TMT882, RPU420, MD332S Printers.

Plain ASCII code.

Appendix D – Detection Setting

Press **Menu > Setup > Camera > Motion Setting > Detection Settings**



	Name	Description
1	【+/-】	Click to resize the motion detection area.
2	Enter	Press to set/reset the changes made.
3	ESC	Press to exit the setting.
4	MODE	Press to set/reset the whole area as the motion detection zone.
5	SEARCH	Press to test the motion detection feature.
6	SEQ/CALL	Press to adjust the sensitivity of motion being detected.
7	Sensitivity	This shows the sensitivity value.

Appendix E -Time Zone

Time Zone	Offset	DST	Start	End
Samoa	GMT – 11:00			
Hawaii	GMT – 10:00			
Alaska	GMT – 09:00	✓	Mar, 2nd Sun, 2:00	Nov, 1st Sun, 2:00
Pacific Time (US & Canada)	GMT – 08:00	✓	Mar, 2nd Sun, 2:00	Nov, 1st Sun, 2:00
Arizona, US Mountain	GMT – 07:00			
Chihuahua, La Paz, Mazatlan	GMT – 07:00	✓	May, 1st Sun, 2:00	Sep, last Sun, 2:00
Mountain Time (US & Canada)	GMT – 07:00	✓	Mar, 2nd Sun, 2:00	Nov, 1st Sun, 2:00
Central America, Saskatchewan	GMT – 06:00			
Central Time (US & Canada)	GMT – 06:00	✓	Mar, 2nd Sun, 2:00	Nov, 1st Sun, 2:00
Guadalajara, Mexico City, Monterrey	GMT – 06:00	✓	May, 1st Sun, 2:00	Sep, last Sun, 2:00
Bogota, Lima, Quito, Indiana (East)	GMT – 05:00			
Eastern Time (US & Canada)	GMT – 05:00	✓	Mar, 2nd Sun, 2:00	Nov, 1st Sun, 2:00
Atlantic Time (Canada)	GMT – 04:00	✓	Mar, 2nd Sun, 2:00	Nov, 1st Sun, 2:00
Caracas, La Paz	GMT – 04:00			
Santiago	GMT – 04:00	✓	Oct, 2nd Sun, 0:00	Mar, 2nd Sun, 0:00
Newfoundland	GMT – 03:30	✓	Apr, 1st Sun, 2:00	Oct, last Sun, 2:00
Brasilia	GMT – 03:00	✓	Oct, 3rd Sun, 2:00	Feb, 3rd Sun, 2:00
Buenos Aires, Georgetown	GMT – 03:00	✓	Oct, 3rd Sun, 2:00	Feb, 2nd Sun, 2:00
Greenland	GMT – 03:00	✓	Mar, last Sun, 1:00	Oct, last Sun, 1:00
Mid-Atlantic	GMT – 02:00	✓	Mar, last Sun, 2:00	Sep, last Sun, 2:00
Azores	GMT – 01:00	✓	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Cape Verde	GMT – 01:00			
Casablanca, Monrovia	GMT + 00:00			
Dublin, London	GMT + 00:00	✓	Mar, last Sun, 1:00	Oct, last Sun, 2:00
Western Europe, Central Europe	GMT + 01:00	✓	Mar, last Sun, 2:00	Oct, last Sun, 3:00
West Central Africa	GMT + 01:00			
Eastern Europe	GMT + 02:00	✓	Mar, last Sun, 0:00	Oct, last Sun, 1:00
Cairo	GMT + 02:00	✓	Apr, last Fri, 2:00	Sep, last Fri, 2:00
Harare, Pretoria	GMT + 02:00			
Helsinki, Kyiv, Riga, Sofia, Tallinn	GMT + 02:00	✓	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Jerusalem	GMT + 02:00	✓	Apr 1, 2:00	Oct, 2nd Sun, 2:00
Baghdad	GMT + 03:00	✓	Apr 1, 3:00	Oct 1, 4:00
Kuwait, Riyadh, Nairobi	GMT + 03:00			
Moscow, St. Petersburg, Volgograd	GMT + 03:00	✓	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Tehran	GMT + 03:30	✓	Mar, 4th Tue, 2:00	Sep, 4th Thu, 2:00

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Abu Dhabi, Muscat	GMT + 04:00			
Baku, Tbilisi, Yerevan	GMT + 04:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Kabul	GMT + 04:30			
Ekaterinburg	GMT + 05:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Islamabad, Karachi, Tashkent	GMT + 05:00			
Chennai, Mumbai, New Delhi	GMT + 05:30			
Kathmandu	GMT + 05:45			
Almaty, Novosibirsk	GMT + 06:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Astana, Dhaka, Sri Lanka	GMT + 06:00			
Rangoon	GMT + 06:30			
Bangkok, Hanoi, Jakarta	GMT + 07:00			
Krasnoyarsk	GMT + 07:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Irkutsk, Ulaan Bataar	GMT + 08:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Beijing, Chingqing, H. K., Urumqi	GMT + 08:00			
Kuala Lumpur, Perth, Singapore	GMT + 08:00			
Taipei	GMT + 08:00			
Osaka, Seoul, Tokyo	GMT + 09:00			
Yakutsk	GMT + 09:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Adelaide	GMT + 09:30	~	Oct, last Sun, 2:00	Mar, last Sun, 3:00
Darwin	GMT + 09:30			
Brisbane, Guam, Port Moresby	GMT + 10:00			
Canberra, Melbourne, Sydney	GMT + 10:00	~	Oct, last Sun, 2:00	Mar, last Sun, 3:00
Hobart	GMT + 10:00	~	Oct, 1st Sun, 2:00	Mar, last Sun, 3:00
Vladivostok	GMT + 10:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Magadan, Solomon Is.	GMT + 11:00			
Auckland, Wellington	GMT + 12:00	~	Oct, 1st Sun, 2:00	Mar, 3rd Sun, 2:00
Fiji	GMT + 12:00			
Kamchatka	GMT + 12:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Anadyr	GMT + 13:00	~	Mar, last Sun, 2:00	Oct, last Sun, 3:00
Nuku'alofa	GMT + 13:00			

Appendix F - Recording Table Reference (NTSC)

NTSC Recording Time (in Hour) - For Reference Only										
System Storage (GB): 200										
Resolution	Quality	Average	Recording Rate (IPS)							
		Picture Size (KB)*			120	60	30	15	10	5
720x480	9	27.7					67	134	201	401
(Full D1)	8	24.5					76	151	227	454
	7	21.0					88	176	265	529
	6	18.4					101	201	302	604
	5	14.0					132	265	397	794
	4	11.3					164	328	492	983
	3	7.7					241	481	722	1443
	2	5.6					331	661	992	1984
	1	3.6					514	1029	1543	3086
720x240	9	13.9				67	133	266	400	799
(Half D1)	8	12.3				75	151	301	452	903
	7	10.5				88	176	353	529	1058
	6	9.2				101	201	403	604	1208
	5	7.0				132	265	529	794	1587
	4	5.7				162	325	650	975	1949
	3	3.9				237	475	950	1425	2849
	2	2.8				331	661	1323	1984	3968
	1	1.8				514	1029	2058	3086	6173
360x240	9	7.0			67	133	266	529	794	1587
(CIF)	8	6.2			75	149	299	597	896	1792
	7	5.2			88	176	353	712	1068	2137
	6	4.6			101	201	403	805	1208	2415
	5	3.5			132	265	529	1058	1587	3175
	4	2.9			162	325	650	1277	1916	3831
	3	2.0			237	475	950	1852	2778	5556
	2	1.4			331	661	1323	2646	3968	7937
	1	0.9			514	1029	2058	4115	6173	12346

* Average Picture Size is estimated based on typical camera scene, and averaged by H.264 I/P/P frames.

Appendix G - Recording Table Reference (PAL)

PAL Recording Time (in Hour) - For Reference Only										
System Storage (GB): 200										
Resolution	Quality	Average	Recording Rate (IPS)							
		Picture Size (KB)*			100	50	25	12.5	8	4
720x576	9	36.0					62	123	193	386
(Full D1)	8	32.0					69	139	217	434
	7	27.3					81	163	254	509
	6	21.3					104	209	326	652
	5	18.3					121	243	379	759
	4	14.7					151	302	472	945
	3	10.0					222	444	694	1389
	2	7.3					304	609	951	1903
	1	4.7					473	946	1478	2955
720x288	9	18.0				62	123	247	386	772
(Half D1)	8	16.0				69	139	278	434	868
	7	13.6				82	163	327	511	1021
	6	10.7				104	208	415	649	1298
	5	9.2				121	242	483	755	1510
	4	7.4				150	300	601	938	1877
	3	5.0				222	444	889	1389	2778
	2	3.7				300	601	1201	1877	3754
	1	2.4				463	926	1852	2894	5787
360x288	9	9.0			62	123	247	494	772	1543
(CIF)	8	8.0			69	139	278	556	868	1736
	7	7.2			82	163	327	654	1021	2042
	6	5.7			103	206	412	823	1286	2572
	5	5.0			121	242	483	966	1510	3019
	4	4.0			150	300	601	1201	1877	3754
	3	2.8			222	444	889	1778	2778	5556
	2	2.2			292	585	1170	2339	3655	7310
	1	1.4			463	926	1852	3704	5787	11574

* Average Picture Size is estimated based on typical camera scene, and averaged by H.264 I/P/P frames.