

NVR6ENT / NVR4ENTPACK

User Manual

IMPORTANT SAFEGUARD



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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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- (2) This device must accept any interference received, including interference that may cause undesired operation.

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We are pleased to provide our modifications to the Linux Kernel, as well as a few new commands, and some tools to get you into the code. The codes are provided on the FTP site, and please download them from the following site or you can refer to your distributor:

<http://download.dvrtw.com.tw/GPL/NVR/T-Seriers/linux.tar.gz>

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1. HARDWARE OVERVIEW

Note: The functions on the front panel and rear panel may vary, depending on the model you have.

1.1 Front Panel

1) LED indicators

	The NVR is power-supplied.
	An alarm event occurs.
	The NVR is connected to Internet.
	The NVR is connected to LAN.
RECORD	Recording is on.
HDD	Up to two hard disks are installed in the NVR and connected well.

2) USB port (

Insert a compatible USB flash drive for video backup.

Note: For the compatible list of USB flash drives, please refer to "APPENDIX 2 COMPATIBLE USB FLASH DRIVE LIST" at page 41.

3) Mouse port (

Insert a mouse for function operation.

1.2 Rear Panel

1) AUDIO OUT *(for selected only)*

Connect to a speaker.

2) WAN

This port is used to connect your NVR to Internet via a RJ45 network cable.

3) HDMI

This port is used to connect the monitor which supports HDMI interface.

Note: Direct connection to the monitor which supports VGA or composite interface is not supported. Please prepare a converter in advance.

4) LAN

This port is used to connect your NVR to our brand's IP cameras locally.

5) Power IN

Connect the NVR to power with the regulated adapter (19V / 12V).

6) - O *(Power switch) (for selected models only)*

Switch to “-” to turn on the power, and “O” to turn off the power.

7) RS485 *(for selected models only)*

Support RS485 devices

8) eSATA *(for selected models only)*

This port is used to connect a storage device supporting eSATA interface; for instance, an external hard disk or a disk array.

Note: Please purchase a disk array supporting Linux system to ensure your NVR work properly.

2. CONNECTION

2.1 Hard disk installation

Note: Product appearance may vary from the picture shown below, depending on the model you have.

- Step1: Remove the top cover.
- Step2: Find the hard disk bracket in the NVR, and place the compatible hark disk in the bracket.
- Step3: With the PCB side facing up, connect the hard disk to the power connector and data connector.
- Step4: Fasten the hark disk with the supplied screws, two for each side.



- Step5: To install another hard disk, find the supplied hard disk brackets in the package, and fix them onto the NVR base.



- Step6: With the PCB side facing up, connect the hard disk to the power connector and data connector.
- Step7: Then, put the hard disk in the bracket, and fasten it with the supplied screws, two for each side.
- Step8: Replace the top cover and fasten the screws you loosened in Step1.

Note: Before remote firmware update, please install a HDD into your NVR first to make sure the firmware update works properly.

Note: It's not recommended to use a green HDD with your NVR to make sure it works properly.

2.2 Camera IP Configurations by LAN

2.2.1 AUTO Mode

Auto mode is to simplify the complicated network settings within three minutes. The connection mode of the LAN port is “AUTO” by default. This mode is suitable when the LAN port of the NVR is connected to a hub.

Note: SETTING Path: (ADVANCED CONFIG) → NETWORK → LAN → MODE.

Connect up to 6 IP devices:

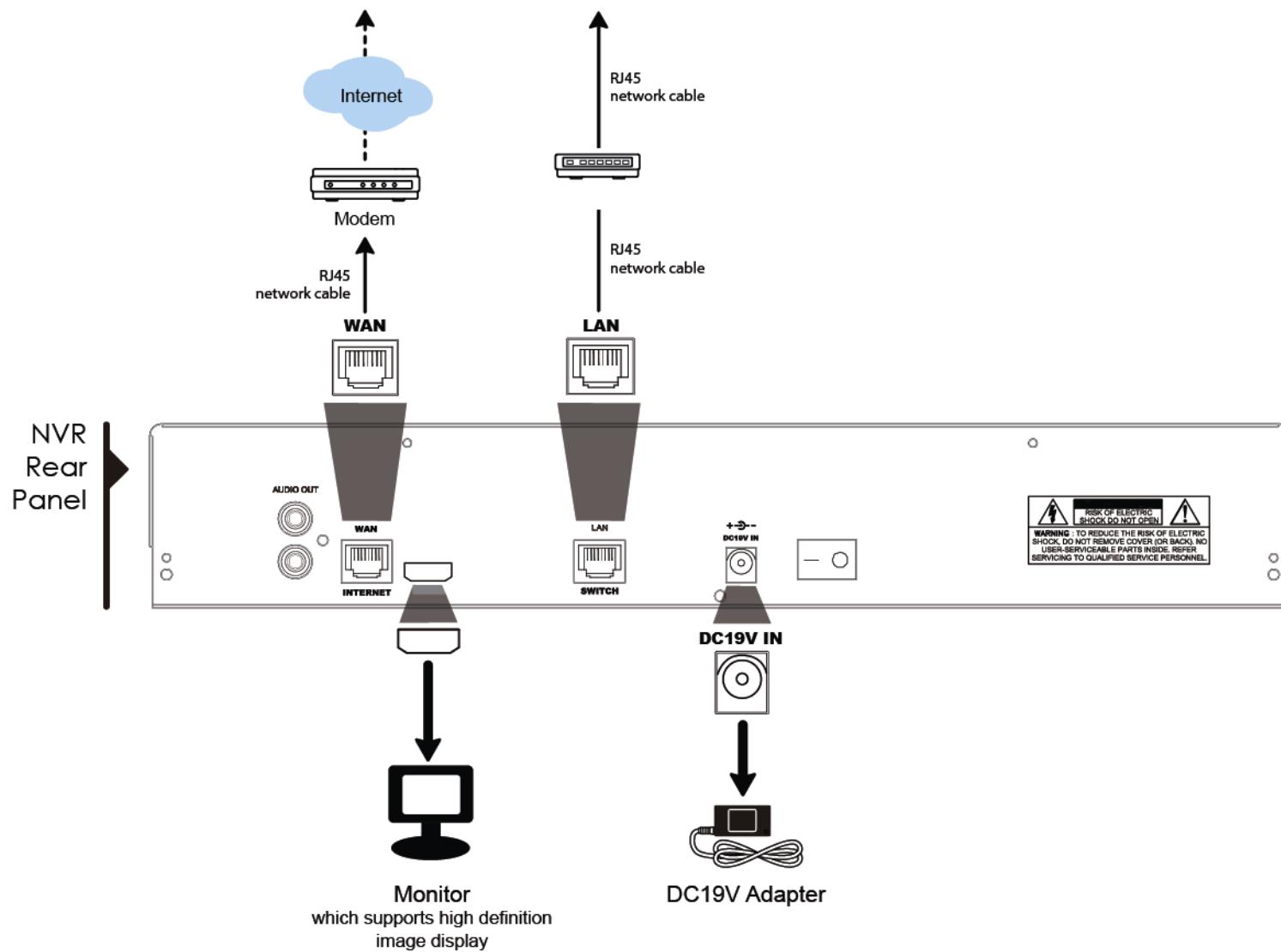


Remote connection**

1. Enter the IP address and access information of the IP camera in the NVR.
2. Wait till you can see images on the monitor.

Local connection*

1. Connect the camera to a hub.
2. Wait till the camera is configured automatically and you will see camera images on the monitor soon.



* Local connection only allows monitoring locally. To monitor from anywhere other than the NVR is installed, please connect your NVR to Internet. For details, please refer to "Quick Start".

** Remote connection is available only when the NVR is connected to Internet. To connect your NVR to Internet, please refer to "Quick Start".

The NVR will **automatically** configure the IP address of a camera connected by LAN if:

- The connected IP camera is our brand's IP camera.
- Reset the IP camera to default value (the default IP configuration method of the camera is "DHCP").
- The camera is powered on before the NVR is powered on.

If the NVR **doesn't** configure the IP address of your camera automatically as described above, your IP camera might **NOT** be:

- Our brand's IP camera.
- Set to "DHCP" as its default IP configuration method.

To solve this, use our brand's IP camera, and reconfigure its IP address to 10.1.1.xx (xx ranges from 11 ~ 253), in the same network segment as the NVR.

- a) Select "🔍" on the bottom of the screen, you'll see the list of every connected IP camera with its connection status to this NVR and MAC address.
- b) Select the IP address which is not used, and select "SETUP".

IP SEARCH			
IP	PORT	MAC	STATUS
10.1.1.12	88	00:0e:53:e5:9a:f1	CONNECTED TO CH1
10.1.1.13	88	00:0e:53:a6:91:18	BE CONNECTED TO CH2
10.1.2.14	88	00:0e:53:a5:9f:a2	UNUSED
10.1.1.15	88	00:0e:53:e1:4e:k5	CONNECTED TO CH3
10.1.1.16	88	00:0e:53:s5:3e:h6	CONNECTED TO CH4
10.1.1.17	88	00:0e:53:e6:4b:26	CONNECTED TO CH5

- c) Select "DHCP" in "NETWORK TYPE".
- d) Click "APPLY" and "EXIT" to save your changes.

SETUP	
NETWORK TYPE	DHCP
IP	10.1.1.14
PORT	88
USER NAME	admin
PASSWORD	*****
NETMASK	255.0.0.0
GATEWAY	10.1.1.10
PRIMARY DNS	168.95.1.1

- e) The NVR will then detect the IP camera and display images soon.

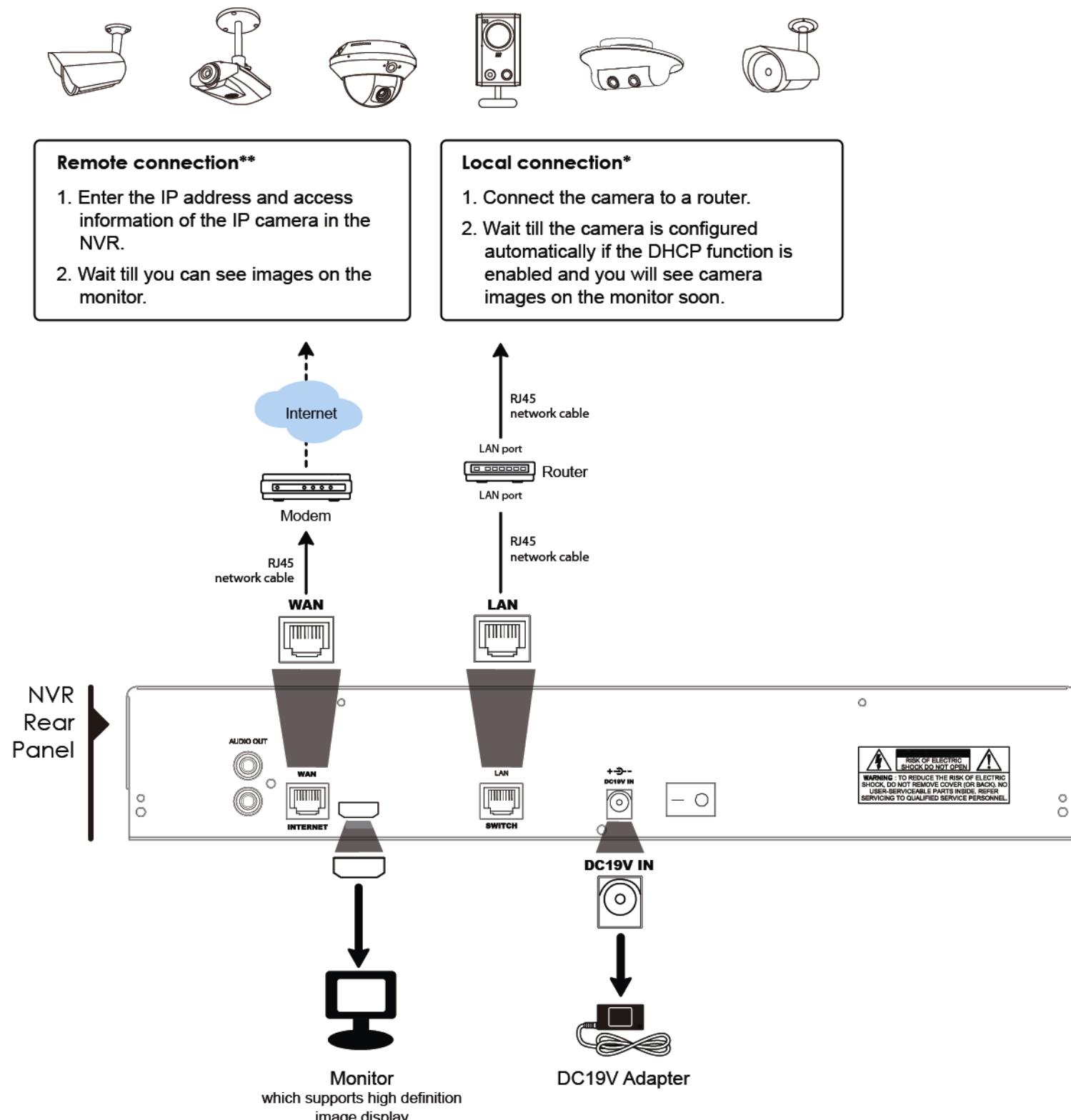
2.2.2 Static / DHCP Mode

Note: SETTING Path: (ADVANCED CONFIG) → NETWORK → LAN → MODE.

When the LAN port of the NVR is connected to a router (not a hub), you can:

- Choose “Static” when you know the network segment of your router.
For example, the IP address of your router of 192.168.0.1, and the network segment of your router will be 192.168.0.xx (xx is ranged from 2 ~ 254).
You can assign the IP address of the connected IP camera(s) by yourself.
- Choose “DHCP” when your router supports the DHCP function, and you do not know the network segment of your router.
The IP address of the connected IP camera(s) will be assigned by your router.

Connect up to 6 IP devices:



* Local connection only allows monitoring locally. To monitor from anywhere other than the NVR is installed, please connect your NVR to Internet. For details, please refer to “Quick Start”.

** Remote connection is available only when the NVR is connected to Internet. To connect your NVR to Internet, please refer to “Quick Start”.

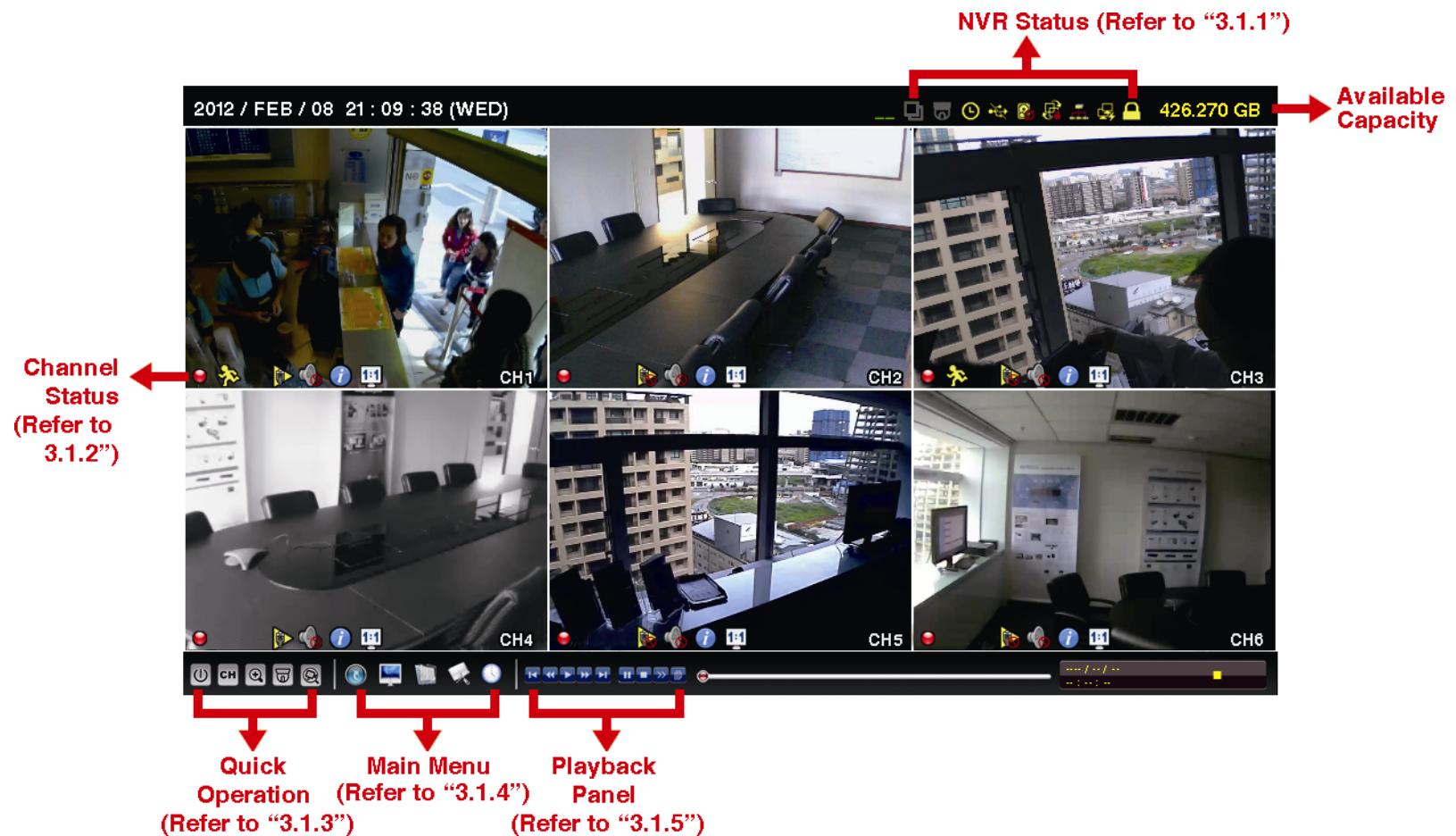
2.3 Manual Connection Setup

To manually assign a channel to connect to the IP camera, select a corresponding “PROTOCOL” from the drop down list first, click “URI” to enter the address of the camera, and enter its port number. There are four protocol types available in the drop down list as follows: “AVTECH”, “ONVIF”, “RTSP OVER HTTP”, and “RTSP OVER UDP”. If you are using AVTECH IP cameras, please select “AVTECH”; otherwise, choose the protocols your cameras support.

ADVANCED CONFIG						
CONNECTION	CHANNEL	PROTOCOL	URI	PORT	PATH	CONFIG
CAMERA	CH1	AVTECH	://ip_office.ddns.eagleeyes.tw	:80	/	SETUP
DETECTION	CH2	ONVIF	://10.1.1.14	:88	/	SETUP
ALERT	CH3	RTSP OVER HTTP	://10.1.1.30	:88	/	SETUP
NETWORK	CH4	RTSP OVER UDP	://10.1.1.12	:88	/	SETUP
DISPLAY	CH5	AVTECH	://10.1.1.16	:88	/	SETUP
RECORD	CH6	AVTECH	://10.1.1.13	:88	/	SETUP
NOTIFY						
	EXIT					

3. USER INTERFACE

3.1 Local



3.1.1 NVR Status

	Key lock		Key unlock
	Channel lock		Channel unlock
	USB flash drive / device connected		No USB device connected
	Timer record on		Timer record off
	Overwrite on		Overwrite off
	Sequence mode on		Sequence mode off
	PTZ mode on		PTZ mode off
	CPU loading		

Network Status:

	(WAN) Internet connected		(WAN) Internet disconnected
	(WAN) Local connection		
	(LAN) Auto mode –Mbit/s		(LAN) Auto mode – Gbit/s
	(LAN) DHCP / Static IP mode		(LAN) Camera disconnected

3.1.2 Channel Status

	Auto search on		Auto search off		Original size		Fit to screen
	Live audio on		Audio off		Audio playback on		Audio playback off
	Recording		Human detection event		Alarm event		Motion event
	Live information		Playback information		PTZ Control		

3.1.3 Quick Operation

For details, please refer to “5. QUICK OPERATION” at page 17.

	Click to show the power off panel to either halt or reboot the system.
	Click to show the channel switch panel and select the channel you want.
	Switch to the channel you want first, and click to enter the zoom-in mode. In this mode, click and drag the red frame on the bottom left of the screen to move to the place you want to see.
	Click to enter the PTZ mode and show the PTZ camera control panel.
	Click to open the IP search window and check the current connection status of each channel.

3.1.4 Main Menu

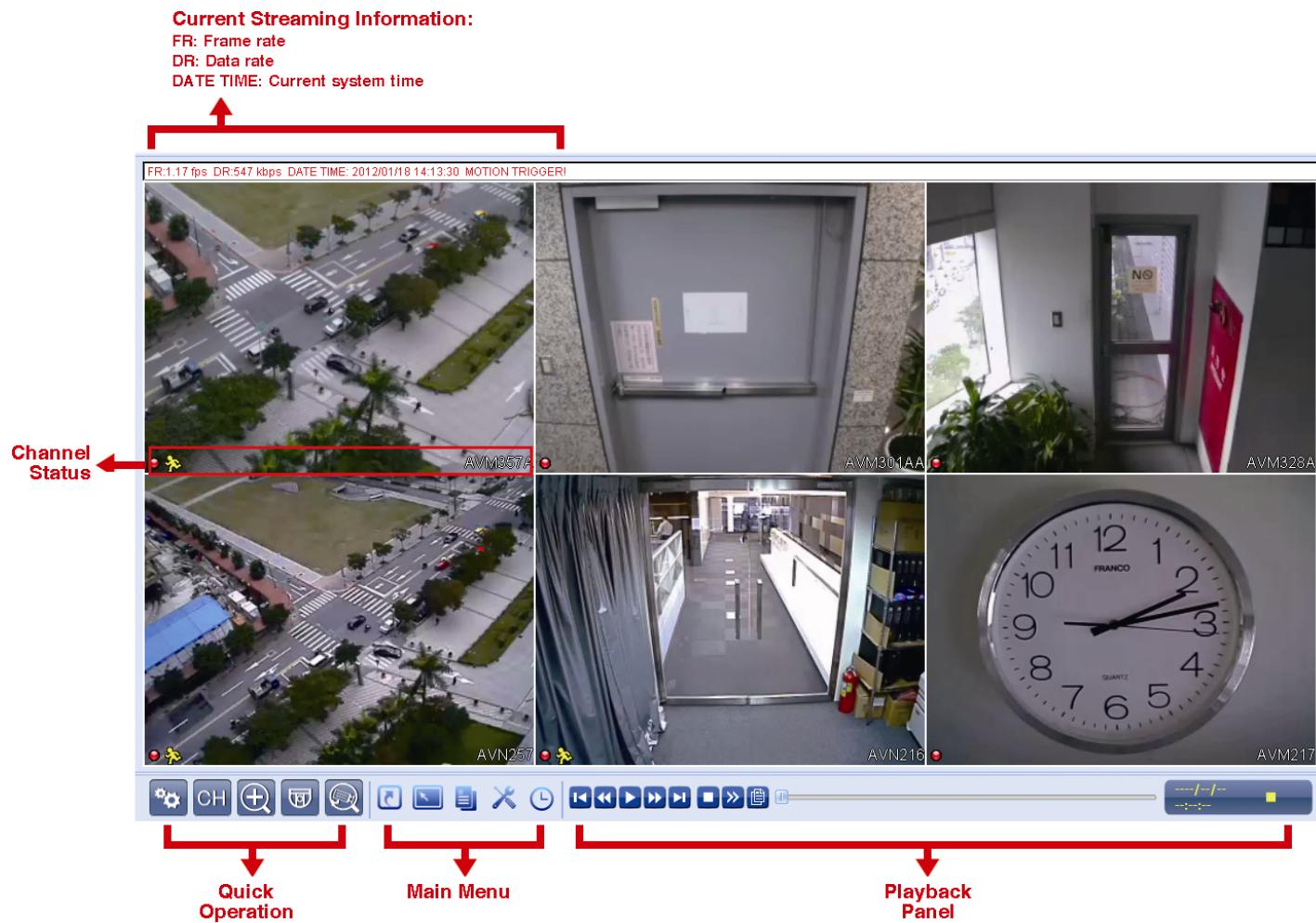
For details, please refer to “6. MAIN MENU” at page 20.

	QUICK START	Click to set the status display, image settings, and date & time.
	SYSTEM	Click to set the system configurations.
	EVENT INFORMATION	Click to enter the event search menu.
	ADVANCED CONFIG	Click to set CONNECTION, CAMERA, DETECTION, ALERT, NETWORK, DISPLAY, RECORD and NOTIFY.
	SCHEDULE SETTING	Click to set record timer and event timer.

3.1.5 Playback Panel

	Fast Forward	Increase the speed for fast forward from 4X to 32X.
	Fast Rewind	Increase the speed for fast rewind from 4X to 32X.
	Play / Pause	Click to play the latest recorded video clip immediately, and click again to pause. In the pause mode, click once to get one frame forward, and click to get one frame rewind.
	Stop	Click to stop the video playback.
	Slow Playback	Click once to get 1/4X speed playback, and click twice to get 1/8X speed playback.
	Previous / Next Hour	Click to jump to the next / previous time interval in an hour, for example, 11:00 ~ 12:00 or 14:00 ~ 15:00, and start playing the earliest event video clip recorded during this whole hour.
	Quick Search	Click to enter the quick search menu for specific record data search.

3.2 Remote



4. FREQUENTLY-USED FUNCTIONS

4.1 Key Lock / Unlock

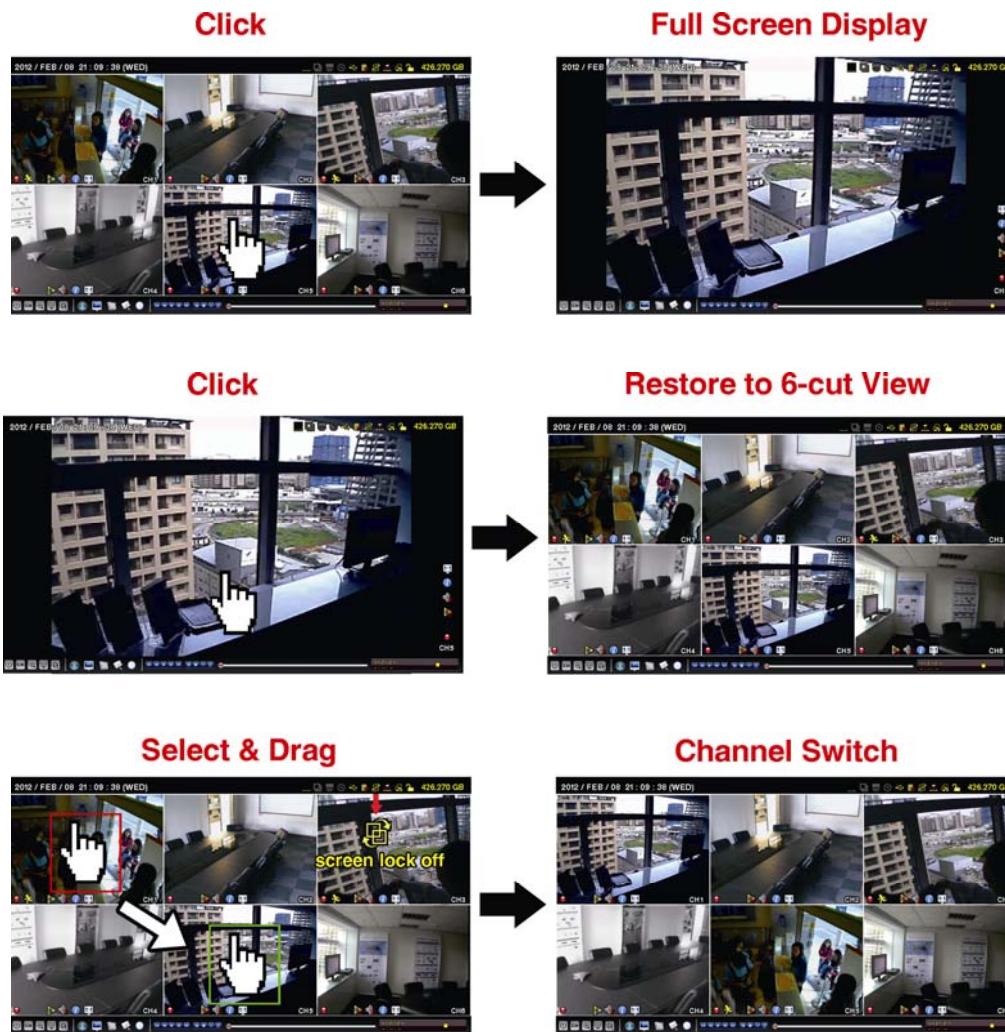
To lock or unlock NVR local operation, click  (unlock) or  (lock) on the NVR status bar to change the status to  (lock) or  (unlock).

To unlock NVR local operation, you'll be prompted to enter the user level and password to access.

Note: The default user level and password are both "admin".

Note: Different user level has different access privilege for certain NVR functions. For details, please refer to "4.4 User Level Creation" at page 12.

4.2 Channel Selection



Note: Channel switch is available only for "SUPERVISOR". To know more details, please refer to "4.4 User Level Creation" at page 12.

4.3 IP Device Search

Note: This function is available only for “SUPERVISOR”. To know more details, please refer to “4.4 User Level Creation” at page 12.

Click  (IP Search) to start searching IP camera(s) connected in the same network segment as the NVR (i.e. 10.1.1.xx by default).

You'll see the list of every connected IP camera with its connection status to this NVR and MAC address.

IP SEARCH				
IP	PORT	MAC	PROTOCOL	STATUS
10.1.1.12	88	00:0e:53:e5:9a:f1	AVTECH	CONNECTED TO CH1
10.1.1.13	88	00:0e:53:a6:91:18	AVTECH	CONNECTED TO CH2
10.1.1.14	88	00:0e:53:a5:9f:a2	AVTECH	UNUSED
10.1.1.15	88	00:0e:53:e1:4e:k5	ONVIF	CONNECTED TO CH3
10.1.1.16	88	00:0e:53:s5:3e:h6	ONVIF	CONNECTED TO CH4
10.1.1.17	88	00:0e:53:e6:4b:26	ONVIF	CONNECTED TO CH5
10.1.1.18	88	00:0e:53:g2:3b:e7	AVTECH	CONNECTED TO CH6

	CONNECT	SETUP	EXIT
---	---------	-------	------

To fix the camera IP address, or allow the NVR to assign an IP address to your IP camera, select “SETUP”, and select “STATIC IP” or “DHCP” for “NETWORK TYPE”.

Click “APPLY” and “EXIT” to save your changes.

SETUP	
NETWORK TYPE	DHCP
IP	10.1.1.14
PORT	80
USER NAME	admin
PASSWORD	*****
NETMASK	255.0.0.0
GATEWAY	10.1.1.10
PRIMARY DNS	168.95.1.1

APPLY	EXIT
-------	------

To connect to another IP camera, select the unused IP camera from the IP search list, and select “CONNECT”. Select the channel you want to display the camera images, and click “SAVE” to start connection.

CONNECT	
IP	10.1.1.14
PORT	88
CHANNEL	CH5
USER NAME	admin
PASSWORD	*****

SAVE	CANCEL
------	--------

4.4 User Level Creation

Note: This function is available only for "SUPERVISOR".

To create different user account for different access privilege, click  (SYSTEM), and select "ACCOUNT" to enter "USER LIST".

ADVANCED CONFIG			
ACCOUNT		USER LIST	
TOOLS		USER NAME	LEVEL
SYSTEM INFO		admin	SUPERVISOR
BACKUP DATA (USB)		power	POWER USER
BACKUP LOG (USB)		normal	NORMAL
		guest	GUEST
EXIT	ADD	EDIT	DEL

Different user level has different access privilege for certain functions as described below:

	Function	User Level			
		SUPERVISOR	POWER	NORMAL	GUEST
■ NVR status					
 / 	Key lock / unlock	✓	✓	✓	
 / 	Channel switch lock / unlock	✓			
■ Channel status					
 / 	Auto search on / off	✓			
 / 	Live audio on / off	✓			
 / 	Playback audio on / off	✓			
 / 	Original size / Fit to screen	✓			
 / 	Live / Playback information	✓			
	DPTZ Control	✓	✓		
■ Quick operation					
	Power	✓			
	Channel Switch	✓	✓	✓	
	Digital Zoom	✓	✓	✓	
	IP Search	✓			
■ Main menu					
	Quick Start	✓			
	System	✓			
	Event Information	✓			
	Advanced Config.	✓			
	Schedule Setting	✓			

	Function	User Level			
		SUPERVISOR	POWER	NORMAL	GUEST
■ Playback control					
	Fast Forward	✓	✓		
	Fast Rewind	✓	✓		
	Play / Pause	✓	✓		
	Stop	✓	✓		
	Slow Playback	✓	✓		
	Previous / Next Hour	✓	✓		
	Quick Search	✓	✓		

4.5 PTZ Control (1CH mode)

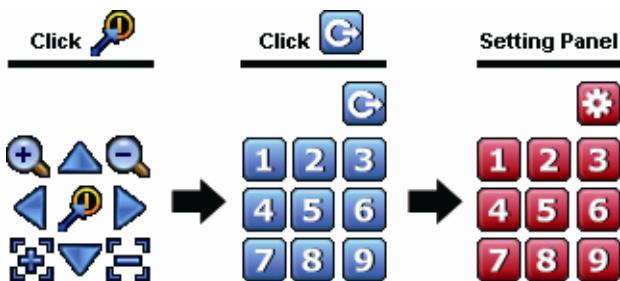
Note: This function is available only for "SUPERVISOR" and "POWER USER". To know more details, please refer to "4.4 User Level Creation" at page 12.

Click on the channel status bar to display the panel as follows:

		Up / Down / Left / Right	Click to move your selection up / down / left / right, or change settings.
		Digital zoom in / out	Click to zoom in / out the camera image digitally.
		Focus near / far	Click to adjust the focus of the image.
		Preset point	Click to display the preset point panel for preset point viewing or setting. For details, please refer to the section below.

How to set a preset point:

Step1:



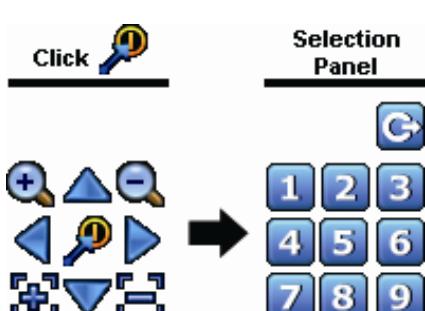
Step2: Click or to the proper ratio you need, and click to move to the point you want to configure as a preset point.

Step3: Click the numbering you want to configure for this point, and wait till you see (command sending) appearing and disappearing on the NVR status bar.

Step4: Repeat from Step1 again to set other points if needed, or click to return to the preset point selection panel

How to go to a preset point:

Step1:



Step2: Select the numbering within which saves the camera view you want to see, and wait till you see (command sending) appearing and disappearing on the NVR status bar.

4.6 Event Search

Note: This function is not available for "NORMAL" and "GUEST". For details, please refer to "4.4 User Level Creation" at page 12.

In the playback control bar, click  to enter the search list.

EVENT INFORMATION																																									
QUICK SEARCH																																									
RECORD	HARD DISK CHANNEL			ALL HDD																																					
MOTION				<input checked="" type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input checked="" type="checkbox"/> 05 <input type="checkbox"/> 06																																					
ALARM																																									
TIME																																									
FULL																																									
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> ◀ 2009 ▶ </div> <div style="text-align: center; margin-top: 10px;"> SUN MON TUE WED THU FRI SAT </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">1</td> <td style="width: 15%;">2</td> <td style="width: 15%;">3</td> <td style="width: 15%;">4</td> <td style="width: 15%;">5</td> <td style="width: 15%;">6</td> <td style="width: 15%;">7</td> </tr> <tr> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> </tr> <tr> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> </tr> <tr> <td>22</td> <td style="background-color: #ccc; border: 1px solid black; padding: 2px;">23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>29</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <div style="display: flex; justify-content: space-around; width: 100%;"> 00 06 12 18 24 </div> <div style="display: flex; justify-content: space-between; width: 100%; margin-top: 10px;"> 00 06 12 18 24 </div>							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
1	2	3	4	5	6	7																																			
8	9	10	11	12	13	14																																			
15	16	17	18	19	20	21																																			
22	23	24	25	26	27	28																																			
29	30																																								
EXIT	15 : 20			SUBMIT																																					

- To quickly search the time within which might include the recorded data you want to see:
 - Select the channel(s) and month you want to search. You'll see the date(s) with recorded data is highlighted.
 - Select the date you want to search. You'll see the time with recorded data is highlighted from the timeline bar.
 - Click the time to start playback.
- To search the recorded data by event, select RECORD / MOTION / ALARM / TIME, or select FULL to show all the event logs. Select the log you want to start playback.

Note: During video playback, you might click  to check the recorded data details, or click  to play the recorded audio (if any) on the channel you want.

4.7 Video Backup

Note: This function is available for "SUPERVISOR". For details, please refer to "4.4 User Level Creation" at page 12.

Note: Before using the USB flash drive, please use your PC to format the USB flash drive to FAT32 format first. For the list of compatible USB flash drives, please refer to "APPENDIX 2 COMPATIBLE USB FLASH DRIVE LIST" at page 41.

Note: For video backup, please use USB flash drive or back your data up over the Internet. It's not recommended to connect the HDD to your PC directly.

To copy recorded data for video backup, click  (SYSTEM), and select "BACKUP DATA (USB)".

SYSTEM		
ACCOUNT	START DATE	2009/NOV/19
TOOLS	START TIME	08:30:21
SYSTEM INFO	END DATE	2009/NOV/19
BACKUP DATA (USB)	END TIME	17:59:29
BACKUP LOG (USB)	CHANNEL <input checked="" type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input checked="" type="checkbox"/> 05 <input type="checkbox"/> 06	ALL HDD
	HARD DISK	SUBMIT
	BACKUP	SUBMIT
	REQUIRE SIZE: 554MB	
EXIT	AVAILABLE SIZE: 3788.0MB	

Step1: Select the time within which includes the video data you want to backup.

Step2: Select the channel(s) within which includes the video data you want to backup.

Step3: In "REQUIRE SIZE", select "SUBMIT" to know the file size of the selected data.

Step4: In "BACKUP", select "SUBMIT" to start backup to your USB flash drive, and wait till the backup successful message appears.

4.8 Video Playback on PC

The backup file is the unique video format for security reasons, and you can only use our own player to play.

To play video backup on your PC:

Step1: Insert the USB flash drive with recorded data into your PC.

Note: The supported PC operating systems are Windows 7, Vista & XP.

Step2: Find the program "PLAYER.EXE" in the USB flash drive, and double-click it to install.

Note: "PLAYER.EXE" can also be downloaded from www.surveillance-download.com/user/h306.swf.

Step3: Run the program, *VideoPlayer_NVR*, and browse to where you save the recorded data.

Step4: Select the file you want to start video playback.

4.8.1 Convert the file format to AVI

To convert the video file format to AVI, click “AVI” from the playback panel to start file conversion.

Note: The recorded audio (if any) will be removed when the file format is converted to AVI.

Note: If the backup video includes data for multiple channels, click to a specific channel for this function to work properly.



5. QUICK OPERATION

5.1 Power Switch

Note: This function is available only for "SUPERVISOR". To know more details, please refer to "4.4 User Level Creation" at page 12.

To power off or reboot the NVR, you may go to , and select  (power off) or  (reboot).



5.2 Channel Selection

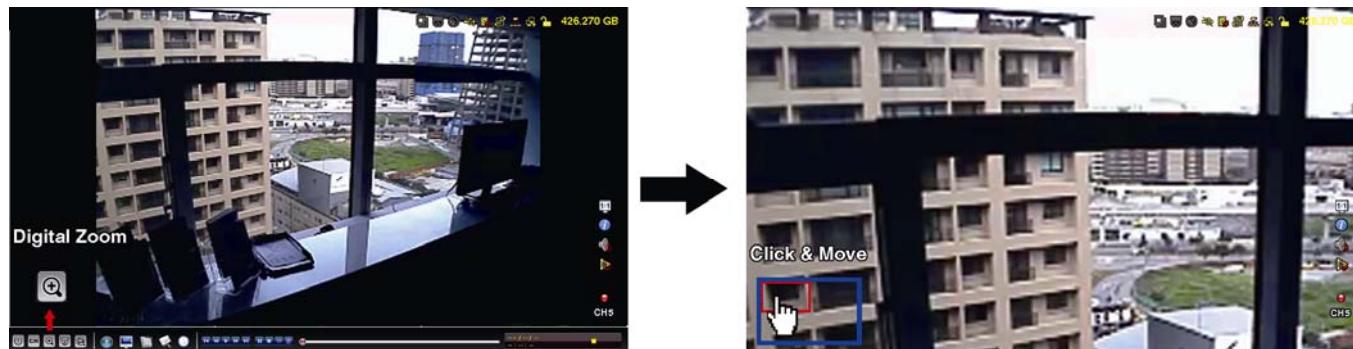
To display a specific channel in full screen and restore to the 6-cut view, you may:

- Directly click the channel you want on the screen, and click it twice to restore to the 6-cut view (refer to "4.2 Channel Selection" at page 10), or
- Go to , and select the channel you want to display in full screen from 1 ~ 6, and select  to restore to the 6-cut view.



5.3 Digital Zoom

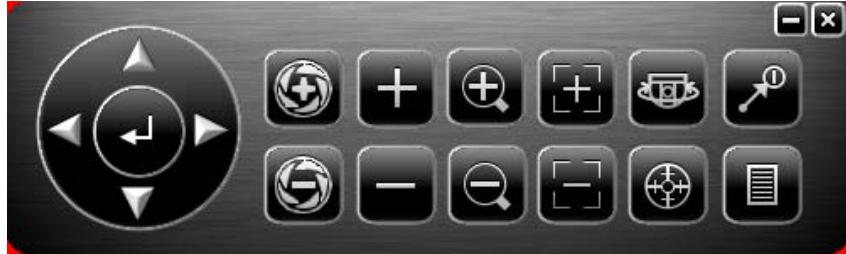
Switch to the channel you want to zoom in, and click  to enter the zoom-in mode. In this mode, click and drag the red frame on the bottom left of the screen to move to the place you want to see.



5.4 PTZ Control (All CH mode)

Note: This function is available only for "SUPERVISOR" and "POWER USER". To know more details, please refer to "4.4 User Level Creation" at page 12.

Click  on the quick menu bar to display the panel as follows:



 /  /  / 	Up / Down / Left / Right	Click to move your selection up / down / left / right, or change settings.
	Enter	Click to confirm your selection / enter the menu.
 / 	Iris + / Iris -	This two buttons are designed for PTZ camera. To know the action after clicking Iris + and Iris -, please refer to the camera's user manual. If you using an analogue camera, paired with Video Server*, make sure the camera and Video Server support P-D / P-P protocol for PTZ control.
 / 	Zoom in / out max	Click to zoom in on the image to the largest / zoom out on the image to its original size.
 / 	Zoom in / out	Click to zoom in / out the image.
 / 	Focus near / far	Click to adjust the focus of the image.
	Auto pan	Click to activate the auto pan. Before using it, you need to assign a specific function that will be enabled when "AUTO" is clicked. For details, please refer to the user manual of the PTZ camera.
	Auto tracking	Click to activate the auto tracking. Before using it, you need to assign a specific function that will be enabled when "AUTO" is clicked. For details, please refer to the user manual of the PTZ camera.
	Preset point	Click to enter the PTZ preset point you want to see.
	Camera Menu	Click to enter the camera main menu. For details about each camera menu, please refer to the user manual of the PTZ camera.

*To know how to configure NVR with video server, please refer to the user manual of video server.

5.5 IP Device Search

Note: This function is available only for "SUPERVISOR". To know more details, please refer to "4.4 User Level Creation" at page 12.

Click  (IP Search) to start search IP camera(s) connected in the same network segment as the NVR (i.e. 10.1.1.xx by default).

You'll see the list of every connected IP camera with its connection status to this NVR and MAC address.

IP SEARCH			
IP	PORT	MAC	STATUS
10.1.1.12	88	00:0e:53:e5:9a:f1	CONNECTED TO CH1
10.1.1.13	88	00:0e:53:a6:91:18	CONNECTED TO CH2
10.1.1.14	88	00:0e:53:a5:9f:a2	UNUSED
10.1.1.15	88	00:0e:53:e1:4e:k5	CONNECTED TO CH3
10.1.1.16	88	00:0e:53:s5:3e:h6	CONNECTED TO CH4
10.1.1.17	88	00:0e:53:e6:4b:26	CONNECTED TO CH5
10.1.1.18	88	00:0e:53:g2:3b:e7	CONNECTED TO CH6

To fix the camera IP address, or allow the NVR to assign an IP address to your IP camera, select “SETUP”, and select “STATIC IP” or “DHCP” for “NETWORK TYPE”.

Click “APPLY” and “EXIT” to save your changes.

SETUP	
NETWORK TYPE	DHCP
IP	10.1.1.14
PORT	00080
USER NAME	admin
PASSWORD	*****
NETMASK	255.0.0.0
GATEWAY	10.1.1.10
PRIMARY DNS	168.95.1.1
APPLY	EXIT

To connect to another IP camera, select the unused IP camera from the IP search list, and select “CONNECT”. Select the channel you want to display the camera images, and click “SAVE” to start connection.

CONNECT	
IP	10.1.1.14
PORT	88
CHANNEL	CH5
USER NAME	admin
PASSWORD	*****
SAVE	CANCEL

6. MAIN MENU

Note: This menu is available only for "SUPERVISOR". To know more details, please refer to "4.4 User Level Creation" at page 12.

6.1 QUICK START

6.1.1 GENERAL

QUICK START		
GENERAL	CHANNEL TITLE	ON
TIME SETUP	EVENT STATUS	ON
SIMULATION	DATE DISPLAY	ON
	MOUSE SENSITIVITY	 6
	RECORD CONFIG	SETUP
EXIT		

1) CHANNEL TITLE

Select to display the channel title or not (ON / OFF).

2) EVENT STATUS

Select to display the event icons or not (ON / OFF).

Note: For details about each event icon, please refer to "3.1 Local" at page 7.

3) DATE DISPLAY

Select to display the date or not (ON / OFF).

4) MOUSE SENSITIVITY

Select the mouse sensitivity by 10 levels.

5) RECORD CONFIG

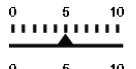
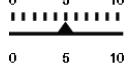
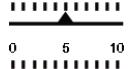
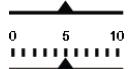
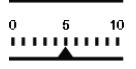
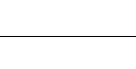
Click "SETUP" to enter the setting page individually for manual record, event record and timer record.

Note: The options selectable for "IMAGE SIZE" and "I.P.S." depends on the camera you're intended to connect.

■ MANUAL & TIMER

QUICK START					
MANUAL	EVENT	TIMER	CHANNEL	PROFILE	TYPE
			CH1	PROFILE-1	H264
					720 X 480
				 6	 30
			CH2	PROFILE-1	H264
					1280 x 1024
				 6	 30
			CH3	PROFILE-1	H264
					1280 x 1024
				 6	 30
			CH4	PROFILE-1	H264
					1280 x 1024
				 6	 30
			CH5	PROFILE-1	H264
					720 X 480
				 6	 30
			CH6	PROFILE-1	H264
					720 X 480
				 6	 30
					EXIT

■ EVENT

QUICK START				
MANUAL	EVENT	TIMER		
CHANNEL	IMAGE SIZE	QUALITY	I.P.S.	EVENT
CH1	720 X 480		30	MOTION
CH2	1280 x 1024		30	MOTION / ALARM
CH3	1280 x 1024		30	MOTION / ALARM
CH4	1280 x 1024		30	MOTION
CH5	720 X 480		30	MOTION / ALARM
CH6	720 X 480		30	MOTION

EXIT

6.1.2 TIME SETUP

QUICK START	
GENERAL	DATE 2009 / NOV / 17
TIME SETUP	TIME 15 : 35 : 53
SIMULATION	NTP SERVER Tock.stdtime.gov.tw
	SYNC PERIOD DAILY
	GMT (UTC+08:00)TAIPEI
EXIT	

1) DATE

Set the current date. The default display format is YEAR – MONTH – DATE (Y-M-D).

Note: To change the date display format, please refer to "5.2.1 DATE INFO".

2) TIME

Set the current time in HOUR : MIN : SEC.

3) NTP SERVER

Click to change the default NTP server to another server they're familiar with, or keep the default NTP server.

4) SYNC PERIOD

Select to synchronize the NVR time everyday (DAILY), or turn this function off (OFF).

5) GMT

Select your time zone.

6.1.3 SIMULATION

“SIMULATION” is where you can see CPU loading and performance when certain functions are enabled and how the number of online users affects the performance of the device.

QUICK START		
GENERAL	LIVE PARAMETER SETUP	SETUP
TIME SETUP	MANUAL RECORD SETUP	SETUP
SIMULATION	EVENT RECORD SETUP	SETUP
	TIMER RECORD SETUP	SETUP
	RECORD TIMER	OFF
	EVENT TIMER	OFF
	MAX ONLINE USER NUMBER	5
	HDD SIZE (GB)	1000
	CPU LOADING SIMULATION	
	LIVE	35%
	MANUAL	30%
	EVENT	30%
	TIMER	30%
EXIT		

6.2 SYSTEM

6.2.1 ACCOUNT

This function is used to create a new user account, or modify or delete an existing account for different access privilege.

Note: For details about available local operations of each user level, please refer to “4.4 User Level Creation” at page 12.

ADVANCED CONFIG		
ACCOUNT	USER LIST	
TOOLS	USER NAME	LEVEL
SYSTEM INFO	admin	SUPERVISOR
BACKUP DATA (USB)	power	POWER USER
BACKUP LOG (USB)	normal	NORMAL
	guest	GUEST
EXIT	ADD	EDIT
		DEL

6.2.2 TOOLS

SYSTEM		
ACCOUNT	LANGUAGE	ENGLISH
TOOLS	UPGRADE	SUBMIT
SYSTEM INFO	BACKUP CONFIG	SUBMIT
BACKUP DATA (USB)	RESTORE CONFIG	SUBMIT
BACKUP LOG (USB)		
EXIT		

1) LANGUAGE

Select the language of the OSD.

2) UPGRADE

Save the upgrade files obtained from your installer or distributor in a compatible USB flash drive, and insert it into the USB port at the front panel. Then, click “SUBMIT” to start upgrading.

Note: Before using the USB flash drive, please use your PC to format the USB flash drive to FAT32 format first. For the list of compatible USB flash drives, please refer to “APPENDIX 2 COMPATIBLE USB FLASH DRIVE LIST” at page 41.

Note: After upgrading firmware, it's recommended to clear all hard disk data for the system to work more stably. Before clearing all hard disk data, please remember to make video backup.

Note: Before remote firmware update, please install a HDD into your NVR first to make sure the firmware update works properly. For more details, please refer to “2.1 Hard disk installation” at page 2.

3) BACKUP CONFIG / RESTORE CONFIG

To keep the current configurations after NVR upgrade, insert a compatible USB flash drive into the USB port, and select “SUBMIT” in “BACKUP CONFIG” to copy the current NVR configurations to a file “System.bin” and save to your USB flash drive.

To restore the NVR configurations, insert the USB flash drive including “System.bin” to the USB port, and select “SUBMIT” in “RESTORE CONFIG”.

6.2.3 SYSTEM INFO

SYSTEM		
ACCOUNT	AUTO KEY LOCK	NEVER
TOOLS	CLEAR HDD	HDD-0
SYSTEM INFO	RESET DEFAULT	SUBMIT
BACKUP DATA (USB)	REMOTE CONTROL ID	000
BACKUP LOG (USB)		
EXIT	VERSION	1001-1000-1001-1001

1) AUTO KEY LOCK

Set the time-out in second after which the key lock function is activated (NEVER / 30 / 60 / 120).

2) CLEAR HDD

Select the hard disk you want to clear, and click “YES” to confirm or “NO” to cancel.

It's recommended to clear all data in the hard disk when:

- It's the first time to use this NVR to ensure the recorded data are not mixed with other data previously saved in the same hard disk.
- The NVR firmware is upgraded for the system to work more stably. Before clearing all HDD data, please

remember to make video backup.

- NVR date and time are changed accidentally when the recording function is activated. Otherwise, the recorded data will be disordered and you will not be able to find the recorded file to backup by time search.

3) RESET DEFAULT

Click “SUBMIT” to reset all settings as default, and select “YES” to confirm or “NO” to cancel. The NVR will reboot after reset.

6.2.4 BACKUP DATA (USB)

This function is used to copy recorded video data from the NVR hard disk to a USB flash drive.

Insert a compatible USB flash drive to the USB port at the front panel, and you’re able to start video backup.

Note: Before using the USB flash drive, please use your PC to format the USB flash drive to FAT32 format first. For the list of compatible USB flash drives, please refer to “APPENDIX 2 COMPATIBLE USB FLASH DRIVE LIST” at page 41.

Note: The backup video can be played on the PC. For details, please refer to “4.8 Video Playback on PC” at page 15.

Note: For video backup, please use USB flash drive or back your data up over the Internet. It’s not recommended to connect the HDD to your PC directly.

SYSTEM		
ACCOUNT	START DATE	2009/NOV/19
TOOLS	START TIME	08:30:21
SYSTEM INFO	END DATE	2009/NOV/19
BACKUP DATA (USB)	END TIME	17:59:29
BACKUP LOG (USB)	CHANNEL	<input checked="" type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input checked="" type="checkbox"/> 05 <input type="checkbox"/> 06
	HARD DISK	ALL HDD
	BACKUP	SUBMIT
	REQUIRE SIZE: 554MB	SUBMIT
EXIT	AVAILABLE SIZE: 3788.0MB	

1) START DATE / START TIME

Select the start date & time.

2) END DATE / TIME

Select the end date & time.

3) CHANNEL

Click to select the channel(s).

4) HARD DISK

Select the hard disk containing the video data you need or “ALL HDD”.

5) BACKUP

Click “SUBMIT” to start backup.

6) REQUIRE SIZE

To know the size of the expected backup video before backup, click “SUBMIT” to start calculating.

6.2.5 BACKUP LOG (USB)

This function is used to copy the event log list from the NVR to a USB flash drive.

Insert a compatible USB flash drive to the USB port at the front panel.

Note: Before using the USB flash drive, please use your PC to format the USB flash drive to FAT32 format first. For the list of compatible USB flash drives, please refer to "APPENDIX 2 COMPATIBLE USB FLASH DRIVE LIST" at page 41.

SYSTEM	
ACCOUNT	START DATE 2009/NOV/19
TOOLS	START TIME 08:30:21
SYSTEM INFO	END DATE 2009/NOV/19
BACKUP DATA (USB)	END TIME 17:59:29
BACKUP LOG (USB)	CHANNEL <input checked="" type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input checked="" type="checkbox"/> 05 <input type="checkbox"/> 06
	DATA TYPE SETUP
	BACKUP SUBMIT
	REQUIRE SIZE: 554MB SUBMIT
EXIT	AVAILABLE SIZE: 3788.0MB

1) START DATE / START TIME

Select the start date & time.

2) END DATE / TIME

Select the end date & time.

3) CHANNEL

Click to select the channel(s).

4) DATA TYPE

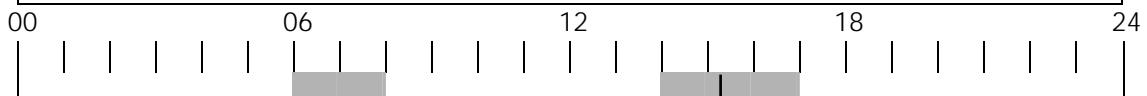
Click "SETUP" to select the event type you want: MANUAL / MOTION / ALARM / SYSTEM / TIMER / HUMAN DETECTION, or select "SELECT ALL" to choose all event types.

5) BACKUP

Click "SUBMIT" to start backup. You'll see a log file (.csv) in the flash drive.

6.3 EVENT INFORMATION

6.3.1 QUICK SEARCH

EVENT INFORMATION																																																
QUICK SEARCH	HARD DISK	ALL HDD																																														
	CHANNEL	<input checked="" type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input type="checkbox"/> 04																																											
<input checked="" type="checkbox"/> 05	<input type="checkbox"/> 06																																															
<div style="display: flex; align-items: center;"> ◀ 2009 ▶ </div> <table border="1" style="margin-top: 5px; border-collapse: collapse; text-align: center;"> <tr> <th>SUN</th> <th>MON</th> <th>TUE</th> <th>WED</th> <th>THU</th> <th>FRI</th> <th>SAT</th> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> <tr> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> </tr> <tr> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> </tr> <tr> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>29</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							SUN	MON	TUE	WED	THU	FRI	SAT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
SUN	MON	TUE	WED	THU	FRI	SAT																																										
1	2	3	4	5	6	7																																										
8	9	10	11	12	13	14																																										
15	16	17	18	19	20	21																																										
22	23	24	25	26	27	28																																										
29	30																																															
<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> 00 06 12 18 24 </div> 																																																
EXIT	15 : 20					SUBMIT																																										

Step1: Select the hard disk and channel including the video data you want to search.

Step2: Select the month including the video data you want to search from the calendar, and the date with recorded data will be highlighted.

Step3: Select the date you want from the calendar, and the time with recorded data will be highlighted from the time scale bar.

Step4: To immediately play the video clip, click "SUBMIT".

To choose the start time for video playback, move your mouse cursor to the highlighted time, and click to confirm the time when the time display below is the time you want. The video playback is activated right away when you confirm the time.

Note: For video playback operations, please refer to "3.1.5 Playback Panel" at page 8.

6.3.2 EVENT SEARCH

EVENT INFORMATION		
QUICK SEARCH	DATE	2009/NOV/19
	TIME	16:13:16
EVENT SEARCH	CHANNEL	1
	HARD DISK	ALL HDD
	EVENT TYPE	MOTION
	SEARCH	START
EXIT		

1) DATE / TIME

Select the specific time period that you want to search.

2) CHANNEL

Select the video channel you want to search.

3) HARD DISK

Select the hard disk including the video data you want to search, or select "ALL HDD".

4) EVENT TYPE

Select the event type you want to search: MOTION / ALARM / HUMAN DETECTION.

5) SEARCH

Click “START” to start search and play the video data immediately.

6.3.3 HDD INFO

You can check the information of the connected hard disk(s) in the NVR.

EVENT INFORMATION								
NUMBER	MODEL	°C	SIZE	FREE	FORMAT TIME	SERIAL NUMBER	F.W.	
HDD-0	ST31000526SV	46	890.562GB	864.832GB	2011/DEC/13 18:18:53	9V0DN5WS	ST31000526SV	
HDD INFO								
EVENT LOG								
EXIT								

6.3.4 EVENT LOG

You can check all the event information (event type, time and channel), or clear all log records.

EVENT INFORMATION			
SYSTEM	BACKUP		
EVENT	TIME	COMMENT	
KEY UNLOCK	2011/NOV/19 15:49:07		
VIDEO LOSS	2011/NOV/19 15:32:05	04	
POWER ON	2011/NOV/19 15:32:02		
PREV		NEXT	CLEAN
EXIT			

6.4 ADVANCED CONFIG 

6.4.1 CONNECTION

To manually assign a channel to connect to the IP camera, select a corresponding “PROTOCOL” from the drop down list first, click “URI” to enter the address of the camera, and enter its port number. There are four protocol types available in the drop down list as follows: “AVTECH”, “ONVIF”, “RTSP OVER HTTP”, and “RTSP OVER UDP”. If you are using AVTECH IP cameras, please select “AVTECH”; otherwise, choose the protocols your cameras support.

ADVANCED CONFIG						
CONNECTION	CHANNEL	PROTOCOL	URI	PORT	PATH	CONFIG
CAMERA	CH1	AVTECH	//ip_office.ddns.eagleeyes.tw	:80	/	SETUP
DETECTION	CH2	ONVIF	//10.1.1.14	:88	/	SETUP
ALERT	CH3	RTSP OVER HTTP	//10.1.1.30	:88	/	SETUP
NETWORK	CH4	RTSP OVER UDP	//10.1.1.12	:88	/	SETUP
DISPLAY	CH5	AVTECH	//10.1.1.16	:88	/	SETUP
RECORD	CH6	AVTECH	//10.1.1.13	:88	/	SETUP
NOTIFY						
EXIT						

Then, click “SETUP” to enter the access information of the camera:

CONFIG-CH1	
USER NAME	admin
PASSWORD	*****
CACHE TIME (MSEC)	
MODEL	AVTECH
GET TYPE	IP CAMERA
PROFILE	PROFILE-3
TYPE	H264
IMAGE SIZE	720 X 480
QUALITY	
I.P.S.	30
AUDIO	ON
EXIT	

Step1: Enter the user name and password to access the IP camera.

Step2: Click “GET TYPE” to detect and make sure the access information you’re intended to connect is correct.

Step3: Select the image size, image quality, and I.P.S.

Note: The options selectable for “IMAGE SIZE” and “I.P.S.” depends on the camera you’re intended to connect.

Step4: (Optional) For the camera with audio recording, select “ON” or “OFF”.

6.4.2 CAMERA

ADVANCED CONFIG						
CAMERA	CH1	CH2	CH3	CH4	CH5	CH6
	BRIGHTNESS	128				
	CONTRAST	128				
	SATURATION	128				
	HUE	128				
	COV.	OFF				
	REC	ON				
	REC AUDIO	ON				
	CHANNEL TITLE	EDIT				
PORT FORWARD	81					
PORT FORWARD ENABLE	ON					
EXIT						

1) BRIGHTNESS / CONTRAST / SATURATION / HUE

Click the current value to manually adjust the brightness/contrast/saturation/hue of each channel here.

2) COV.

Select if you want to mask the selected channel under recording (ON / OFF). When this function is activated, the wording “COV.” will be shown on the channel screen.

Note: To hide the wording “COV.” when this function is on, go to “DISPLAY”, and set “DISPLAY COVERT” to “OFF”. For details, please refer to “6.4.6 DISPLAY” at page 32.

3) REC

Select if you want to enable recording for the selected channel (ON / OFF).

Note: When this function is disabled, no manual, event or timer recording will be activated even if any of these three record functions is set to “ON”.

4) REC AUDIO

Select if you want to enable audio recording for the selected channel (ON / OFF).

Note: This function is available only when your connected device supports audio recording.

5) CHANNEL TITLE

Click “EDIT” to input the channel title (up to six characters). The default title is the channel number.

6) PORT FORWARD / PORT FORWARD ENABLE

These two functions are used when you only want to see a single channel of this NVR remotely.

- a) Set the port number for the channel in “PORT FORWARD”. The default value for CH1 is 81, and the default value for CH2 is 82... etc. If you want to change the port number to other value, the range is from 1 ~ 65535.
- b) Select “ON” in “PORT FORWARD ENABLE”.
- c) The address of the channel will be “http://NVR_address:port_number”. Enter the address in Internet Explorer, and see if you can access the device connected channel individually.

Note: The user name and password are still required to access the device connected to the channel. Make sure you know the user name and password to access the device. For details, please refer to its user manual.

6.4.3 DETECTION

ADVANCED CONFIG							
CONNECTION CAMERA DETECTION ALERT NETWORK DISPLAY RECORD NOTIFY	CH1 CH2 CH3 CH4 CH5 CH6						
							OFF
							0
							ON
							EDIT
							ON
	INTERNAL ALARM						
EXIT							

1) ALARM

Select N.C./ N.O depending on your installation need. The default alarm value is OFF.

2) SENSITIVITY

Select the detection sensitivity of the selected channel, the lower the value, the higher the sensitivity.

3) MOTION

Select if you want to activate the motion detection function for the selected channel (ON/OFF).

4) AREA

Click “EDIT” to set the motion detection area.

There are 16 × 12 grids per camera for all channels. Pink blocks represent the area that is not being detected while the transparent blocks are the area under detection.

Note: To exit area setting and return to the detection page, right click your mouse.

5) INTERNAL ALARM (For selected camera models only)

This function appears only when the camera connected supports human detection.

Select “ON” to enable human detection, or “OFF” to disable it.

6.4.4 ALERT

ADVANCED CONFIG		
CONNECTION	EXT. ALERT	ON
CAMERA	INT. BUZZER	OFF
DETECTION	KEY BUZZER	ON
ALERT	VLOSS BUZZER	ON
NETWORK	MOTION BUZZER	ON
DISPLAY	ALARM BUZZER	ON
RECORD	HDD BUZZER	ON
NOTIFY	ALARM DURATION (SEC)	5
	HDD NEARLY FULL (GB)	5
EXIT		

1) EXT. ALERT

Select to enable or disable the sound when any external alarm is triggered (ON / OFF).

2) INT. BUZZER

Select to enable or disable the sound (ON / OFF) for all internal buzzers: KEY BUZZER, VLOSS BUZZER, MOTION BUZZER, ALARM BUZZER, and HDD BUZZER.

Note: When this item is set to "OFF", item 3) to item 7) will be disabled even though they are set to ON.

3) KEY BUZZER

Select to enable or disable the sound when pressing the buttons on the front panel (ON / OFF).

4) VLOSS BUZZER

Select to enable or disable the sound when video loss happened (ON / OFF).

5) MOTION BUZZER

Select to enable or disable the sound when any motion alarm is triggered (ON / OFF).

6) ALARM BUZZER

Select to enable or disable the sound when any internal alarm is triggered (ON / OFF).

7) HDD BUZZER

Select to enable or disable the sound (ON / OFF) when the HDD remaining capacity reaches to the value set in "HDD NEARLY FULL (GB)".

8) ALARM DURATION (SEC)

Select the duration time for alarm buzzer in second (5 / 10 / 20 / 40).

9) HDD NEARLY FULL (GB)

If HDD BUZZER is enabled, select the duration time for buzzer notifications when the hard disk available capacity is 5/10/15/20 GB left.

6.4.5 NETWORK

There are two RJ45 ports on the NVR rear panel: WAN and LAN.

- **WAN** is used to connect this NVR to Internet for remote access from anywhere as long as Internet access is available.
- **LAN** is used to connect to IP cameras locally.
- **DDNS** is used when the Internet access is available.

Note: For more details about these three functions and network configurations, please refer to the hardcopy of quick start supplied with this device, or download the softcopy of quick start from www.surveillance-download.com/user/h306.swf.

ADVANCED CONFIG			
CONNECTION CAMERA DETECTION ALERT NETWORK DISPLAY RECORD NOTIFY	WAN	LAN	E-MAIL
	DDNS		
	NETWORK TYPE		
	DHCP		
	IP		
	192.168.1.112		
	GATEWAY		
	192.168.1.254		
	NETMASK		
255.255.255.0			
PRIMARY DNS			
168.95.1.1			
SECONDARY DNS			
139.175.55.244			
PORT			
88			
EXIT			

E-MAIL

Configure your E-mail account here to send event notifications to the E-mail address(es) specified in “NOTIFY”.

Note: To know the SMTP server and port number you should use, please check with your E-mail service provider.

ADVANCED CONFIG			
CONNECTION CAMERA DETECTION ALERT NETWORK DISPLAY RECORD NOTIFY	WAN	LAN	E-MAIL
	DDNS		
	SMTP SERVER		
	SMTP.GMAIL.COM		
	PORT		
	465		
	MAIL FROM		
	MANAGER		
	SSL ENCRYPTION		
ON			
VERIFY PASSWORD			
ON			
USER NAME			
MANAGER			
PASSWORD			
●●●●●			
EXIT			

6.4.6 DISPLAY

ADVANCED CONFIG		
CONNECTION	FULL SCREEN DURATION	03
CAMERA	DISPLAY COVERT	ON
DETECTION	HDD DISPLAY MODE	SIZE
ALERT	BRIGHTNESS	128
NETWORK	CONTRAST	128
DISPLAY	SATURATION	128
RECORD		
NOTIFY		
EXIT		

1) FULL SCREEN DURATION

Select the full screen dwell duration time in second (03 / 05 / 10 / 15).

2) DISPLAY COVERT

Select “ON” or “OFF” to display or hide the wording “COV.” when covert recording is activated in “CAMERA”.

3) HDD DISPLAY MODE

Select “SIZE” to show the remaining hard disk capacity for recording in GB, or “TIME” to show the remaining recording time.

4) BRIGHTNESS / CONTRAST / SATURATION

Click the current value to manually adjust the brightness/contrast/saturation/ of the screen.

6.4.7 RECORD

Note: Please DO NOT change the date or time of your NVR after the recording function is activated. Otherwise, the recorded data will be disordered and you will not be able to find the recorded file to backup by time search. If users change the date or time accidentally when the recording function is activated, it's recommended to clear all hard disk data, and start recording again.

ADVANCED CONFIG		
CONNECTION	MANUAL RECORD	OFF
CAMERA	EVENT RECORD	ON
DETECTION	TIMER RECORD	OFF
ALERT	PRE-ALARM RECORD	ON
NETWORK	OVERWRITE	ON
DISPLAY	KEEP DATA LIMIT (DAYS)	OFF
RECORD	RECORD CONFIG	SETUP
NOTIFY	NVR MODE	6CH
EXIT		

1) MANUAL RECORD

Set the manual recording function on / off.

2) EVENT RECORD

Set the event recording function on / off.

3) TIMER RECORD

Set the timer recording function on / off.

4) PRE-ALARM RECORD

Select to enable or disable the pre-alarm function (ON / OFF).

When pre-alarm and event recording functions are both activated, the NVR will record 8MB data before an alarm / motion event is triggered.

5) OVERWRITE

Select “ON” to overwrite previous recorded data in your HDD when the HDD is full. When this function is on and the HDD is full, the NVR will clear 8GB data from the oldest for continuous recording without notice.

6) KEEP DATA LIMITS (DAYS)

Assign the maximum recording days from 01 to 31 after which all the recorded data will be removed, or select “OFF” to disable this function.

7) RECORD CONFIG

Click “SETUP” to enter the setting page individually for manual record, event record and timer record.

For details, please refer to “6.1.1 GENERAL” at page 20.

8) NVR MODE

Set the NVR to 6CH mode or 12CH mode, depending on your surveillance demands.

Note: Every time you change the mode, NVR will reboot automatically.

6.4.8 NOTIFY

You can configure this NVR to send notifications for certain events to mobile devices with our mobile app, EagleEyes, installed, or to the specified E-mail address(es).

PUSH VIDEO (for selected models only)

Before using this function, make sure:

- The camera connected to this NVR is our ETS network camera series.
- You have iPhone, iPad, or Android mobile phone or tablet.
- You have subscribed the mobile network service from your mobile service provider.
- The mobile app, EagleEyes, is installed in your mobile device. For details, please refer to “APPENDIX 1 MOBILE SURVEILLANCE VIA EAGLEEYES” at page 38.
- You have configured EagleEyes to access this NVR, and Push Video is enabled. For details, please refer to “APPENDIX 1 MOBILE SURVEILLANCE VIA EAGLEEYES” at page 38.

You'll get an active event notification with video telling you the occurrence of alarm event(s).

ADVANCED CONFIG				
NOTIFY	PUSH VIDEO	PUSH MESSAGE	MESSAGE MAIL	VIDEO MAIL
	GUARD		ON	
	CH01	ALARM N.C.	CH1 alarm	
	CH02	ALARM N.O.	CH2	
	CH03	ALARM OFF	CH3	
	CH04	ALARM OFF	CH4	
	CH05	ALARM OFF	CH5	
EXIT				

Step1: Switch “GUARD” to “ON”.

Step2: Select the channel number with our ETS network camera connected, and select the alarm type to “ALARM N.C.” or “ALARM N.O.”

Step3: Customize the notification message you want to see after alarm type setting, or keep the default message, which shows only the channel numbering.

Step4: Enable “Push Video” in EagleEyes on your mobile device, and try to trigger an alarm event to see if you'll get Push Video.

PUSH MESSAGE (for selected models only)

Before using this function, make sure:

- You have iPhone, iPad, or Android mobile phone or tablet.
- You have subscribed the mobile network service from your mobile service provider.
- The mobile app, EagleEyes, is installed in your mobile device. For details, please refer to “APPENDIX 1 MOBILE SURVEILLANCE VIA EAGLEEYES” at page 38.
- You have configured EagleEyes to access this NVR, and Push Video is enabled. For details, please refer to “APPENDIX 1 MOBILE SURVEILLANCE VIA EAGLEEYES” at page 38.

You'll get a text message telling you the occurrence of selected system event(s).

ADVANCED CONFIG				
CONNECTION CAMERA DETECTION ALERT NETWORK DISPLAY RECORD NOTIFY	PUSH VIDEO	PUSH MESSAGE	MESSAGE MAIL	VIDEO MAIL
	ACTION EVENT	ON	<input type="checkbox"/> ALL <input checked="" type="checkbox"/> VIDEO LOSS <input type="checkbox"/> HDD FULL <input type="checkbox"/> POWER ON <input checked="" type="checkbox"/> CLEAR HDD <input type="checkbox"/> NET LOGIN <input checked="" type="checkbox"/> KEY UNLOCK <input type="checkbox"/> NETWORK <input type="checkbox"/> UPS <input type="checkbox"/> SYSTEM ABNORMAL	
EXIT				

Step1: Switch “ACTION” to “ON”.

Step2: Select the system event(s) you want to get notified via your mobile device.

Step3: Enable “Push Message” in EagleEyes on your mobile device, and try to trigger an alarm event to see if you’ll get Push Message.

MESSAGE MAIL

Note: For E-mail notifications, make sure you have configured an E-mail account in “NETWORK” → “E-MAIL” to send the notifications.

Enable this function in “ACTION”, select the event type(s) you want to send notifications in “EVENT”, and add the E-mail address(es) to which you want to send notifications in “RECEIVER”.

You’ll get an E-mail telling you the occurrence of your selected event(s).

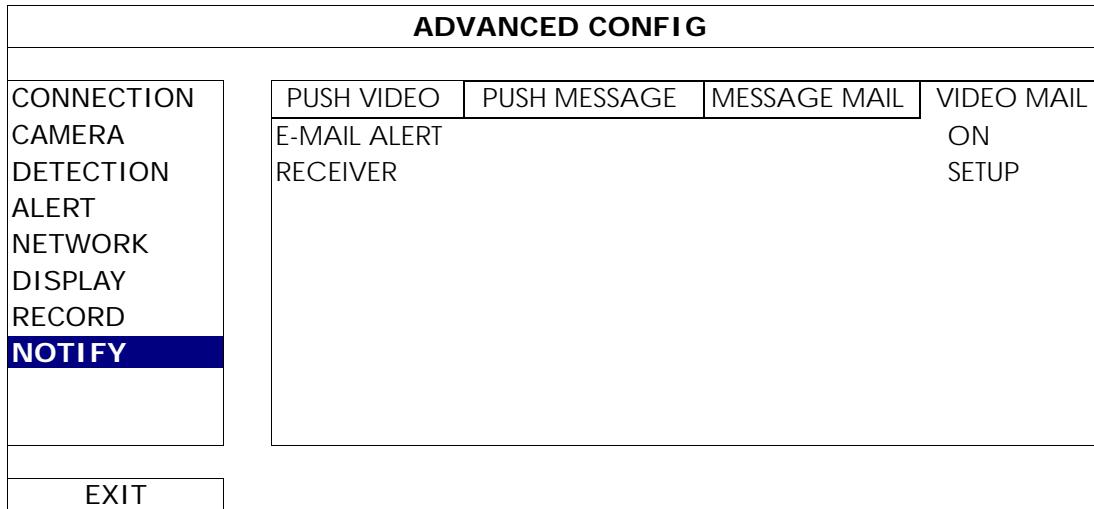
ADVANCED CONFIG				
CONNECTION CAMERA DETECTION ALERT NETWORK DISPLAY RECORD NOTIFY	PUSH VIDEO	PUSH MESSAGE	MESSAGE MAIL	VIDEO MAIL
	ACTION EVENT	ON	<input type="checkbox"/> ALL <input checked="" type="checkbox"/> VIDEO LOSS <input type="checkbox"/> HDD FULL <input type="checkbox"/> POWER ON <input checked="" type="checkbox"/> CLEAR HDD <input type="checkbox"/> NET LOGIN <input checked="" type="checkbox"/> KEY UNLOCK <input type="checkbox"/> NETWORK <input type="checkbox"/> UPS <input type="checkbox"/> SYSTEM ABNORMAL	
RECEIVER				
SETUP				
EXIT				

VIDEO MAIL

Note: For E-mail notifications, make sure you have configured an E-mail account in “NETWORK” → “E-MAIL” to send the notifications.

Enable this function in “E-MAIL ALERT”, and add the E-mail address(es) to which you want to send notifications in “RECEIVER”.

You’ll get an E-mail telling you the occurrence of motion events attached with a html file.



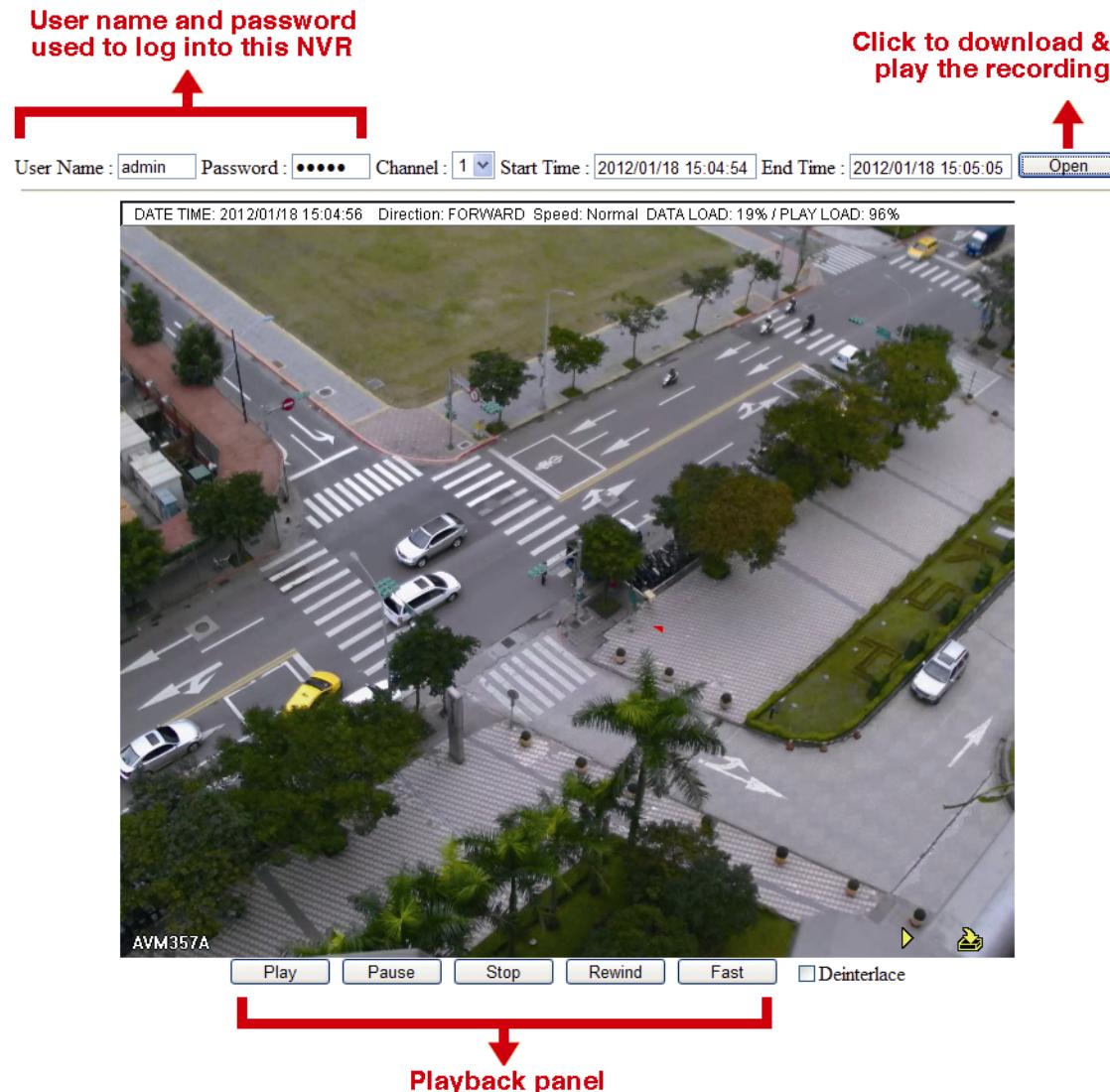
How to check video recording

Step1: Open the html file attached.

Note: Please accept to install ActiveX control on your computer.

Step2: Enter the user name and password to log into this NVR, and select the channel you want.

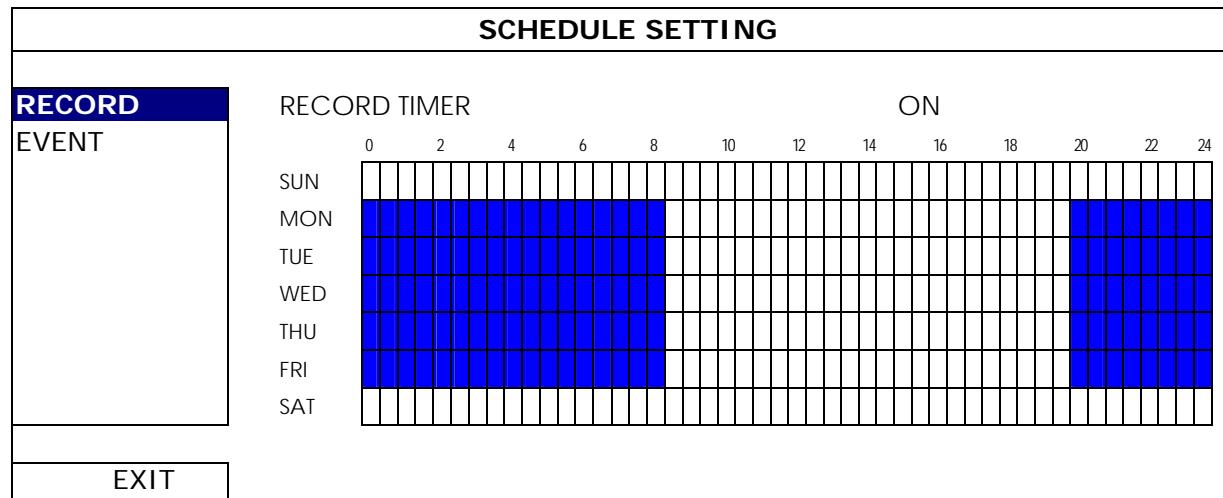
Step3: Click "Open" to download the motion recording to your computer and start playing.



6.5 SCHEDULE SETTING

6.5.1 RECORD

Select “ON” to enable record timer, and select the day and time for this function.

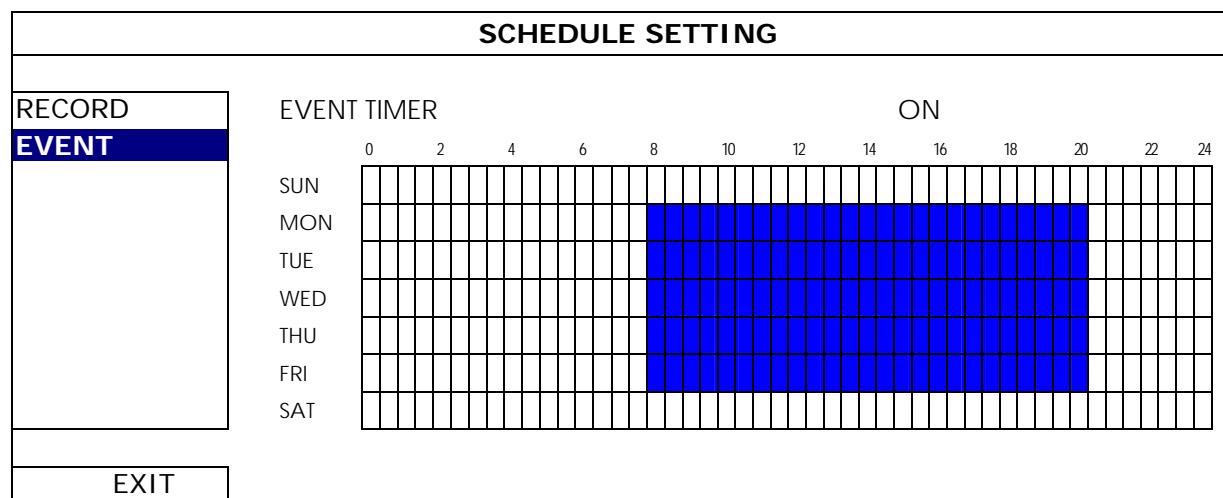


X axis: 0 ~ 24 hours. Each time bar is 30 minutes.

Y axis: Monday ~ Sunday.

6.5.2 EVENT

Select “ON” to enable event timer, and select the day and time for this function.



X axis: 0 ~ 24 hours. Each time bar is 30 minutes.

Y axis: Monday ~ Sunday.

APPENDIX 1 MOBILE SURVEILLANCE VIA EAGLEYES

EagleEyes is a mobile phone program used with our surveillance system for remote surveillance. It has several advantages:

- It's free (Except *EagleEyes Plus* for iPhone, *EagleEyes Plus+* for Android, and *EagleEyesHD Plus* for iPad).
- It's compatible with several popular mobile platforms, such as iPhone, iPad and Android.

It's easy to download, install and configure. For more details about configuring and operating this program, please visit our official website www.eagleeyescctv.com.

A1.1 Prerequisites

Before installing *EagleEyes* to your mobile phone for remote surveillance, make sure you have checked the following:

- ✓ Your mobile platform is iPhone, iPad & Android.
- ✓ Mobile Internet services are subscribed and available to use for your mobile phone.

Note: You might be charged for Internet access via wireless or 3G networks. For the Internet access rate details, please check with your local network operator or service provider.

- ✓ You have noted down the IP address, port number, user name and password used to access your network camera from Internet.

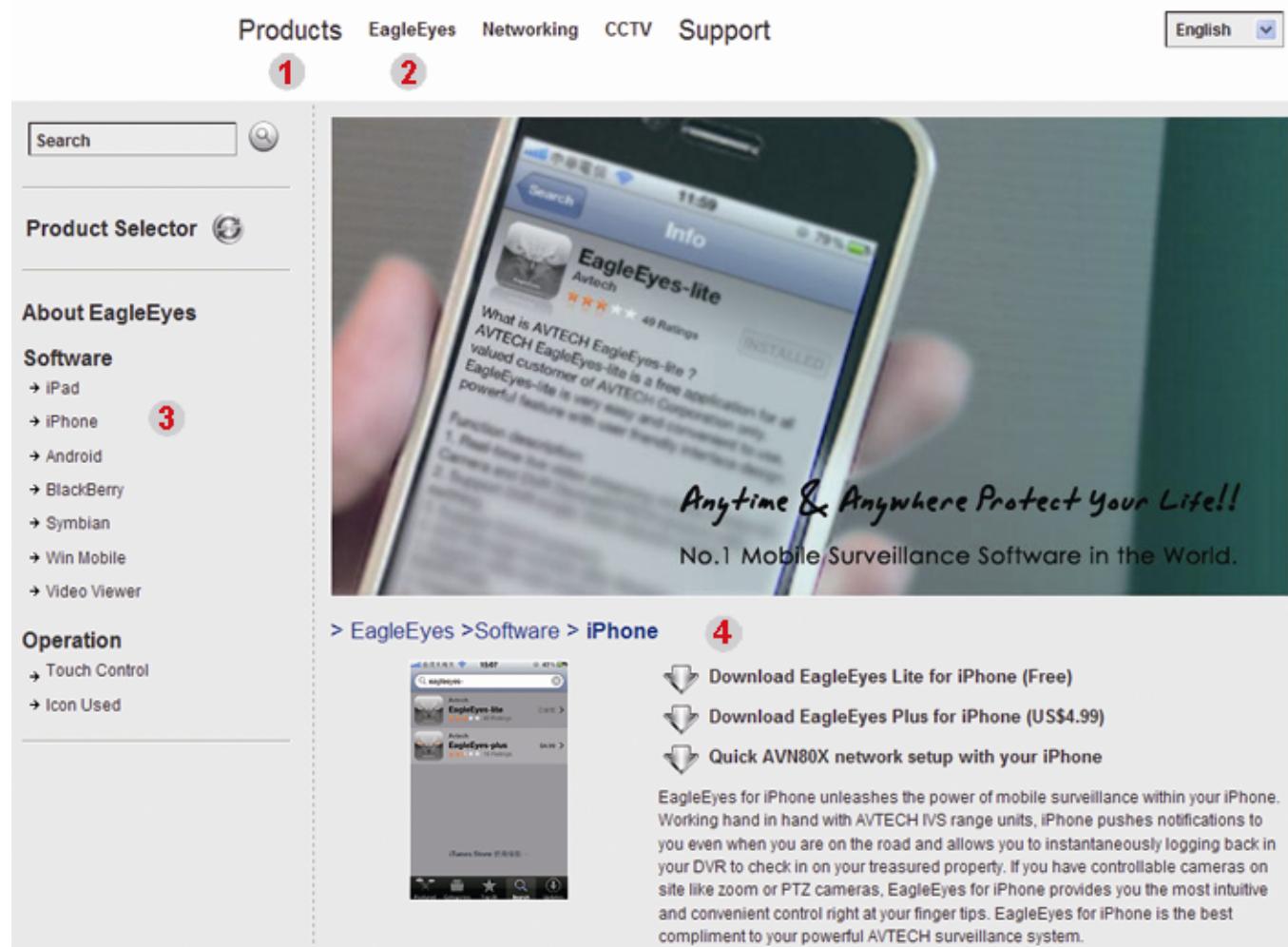
A1.2 Where to download

Connect to www.avtech.com.tw from your mobile device.

Note: Please **DO NOT** download *EagleEyes* from your computer.

Select “Products” → “*EagleEyes*” to enter *EagleEyes* introduction page.

Then, select the mobile platform type you’re using in “Software”, and download the program you need.



- For Android & iPad, select the download link from the website to start downloading.
- For iPhone, two versions of EagleEyes are available:
 - EagleEyes Plus (US\$4.99), and
 - EagleEyes Lite (Free).

Select the version you want, and you'll be directed to "App Store" to download the application.

Note: You can also find *EagleEyes* on "App Store" from your iPhone. Go to "App Store", and select "Search". Enter the keyword "eagleeyes" to find and download the version you want.

When the download is completed, *EagleEyes* will be installed automatically to the location where all applications are saved in your phone by default, or where you specify.

Note: For more details about configuring this program, scroll down the download page to see related instructions.

A1.3 Enable Push Video

Note: This function is available only for iPhone, iPad, and Android mobile devices (except for HTC mobile devices).

A1.3.1 From iPhone / iPad

Step1: In the iPhone / iPad main menu, select "Settings" → "Notifications".

- Make sure "Notifications" is set to "ON".
- Select "EagleEyes", and make sure its settings are set to "ON".



Step2: Open "EagleEyes", and switch the Push Video button to "ON". You'll receive the message indicating that Push Notification (Push Video) is on.



A1.3.2 From Android Mobile Device

In the address book, switch “Guard” from “OFF” to “ON”.

