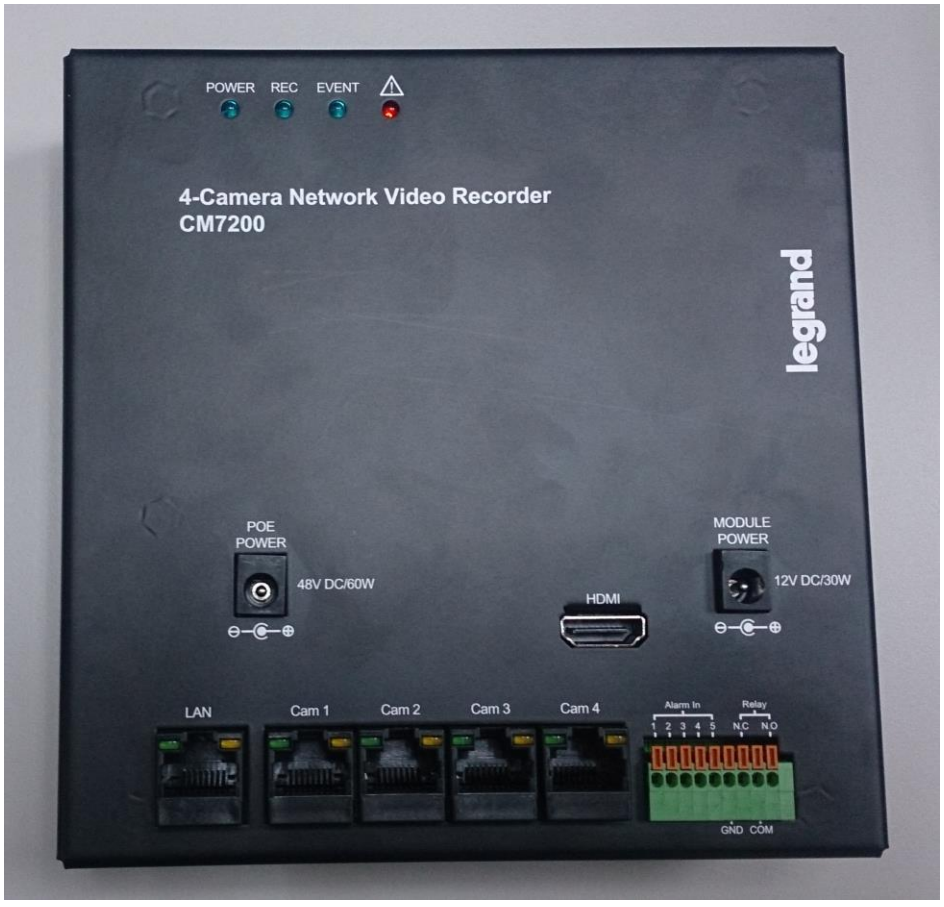
USER MANUAL

4 Channels Dual Bay Style Enclosure Based Power Over Ethernet Network Video Recorder



INSTRUCTION MANUAL

To obtain the best performance and ensure device function correctly, please read this instruction manual carefully and completely.

FCC Compliance

USER-INSTALLER CAUTION:

YOUR AUTHORITY TO OPERATE THIS FCC VERIFIED EQUIPMENT COULD BE VOIDED IF YOU MAKE CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE TO PART 15 OF THE FCC RULES.

NOTE:

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS B 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.

THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.

WARNINGS, CAUTIONS & COPYRIGHT

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

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CAUTION

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

Explanation of Graphical Symbols

	The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of insinuated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	The exclamation point within an equilateral rhombus is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the product.

USERS OF THE SYSTEM ARE RESPONSIBLE FOR CHECKING AND COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND STATUTES COIPCERNING THE MONITORING AND RECORDING OF VIDEO AND AUDIO SIGNALS. ULTRAK SHALL NOT BE HELD RESPONSIBLE FOR THE USE OF THIS SYSTEM IN VIOLATION OF CURRENT LAWS AND STATUTES.

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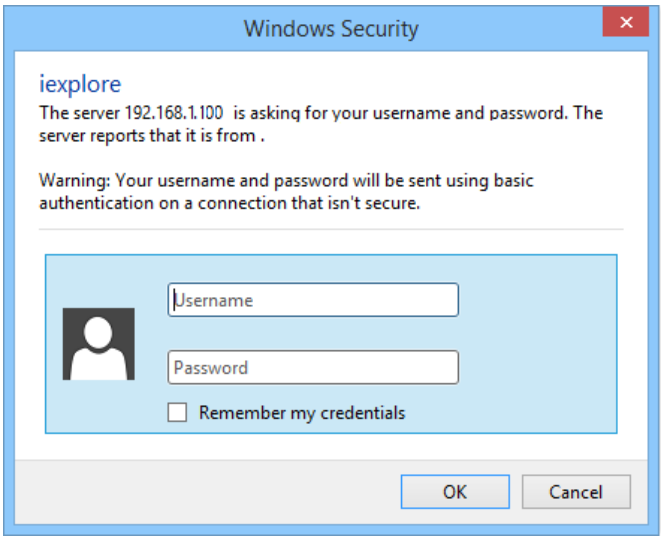
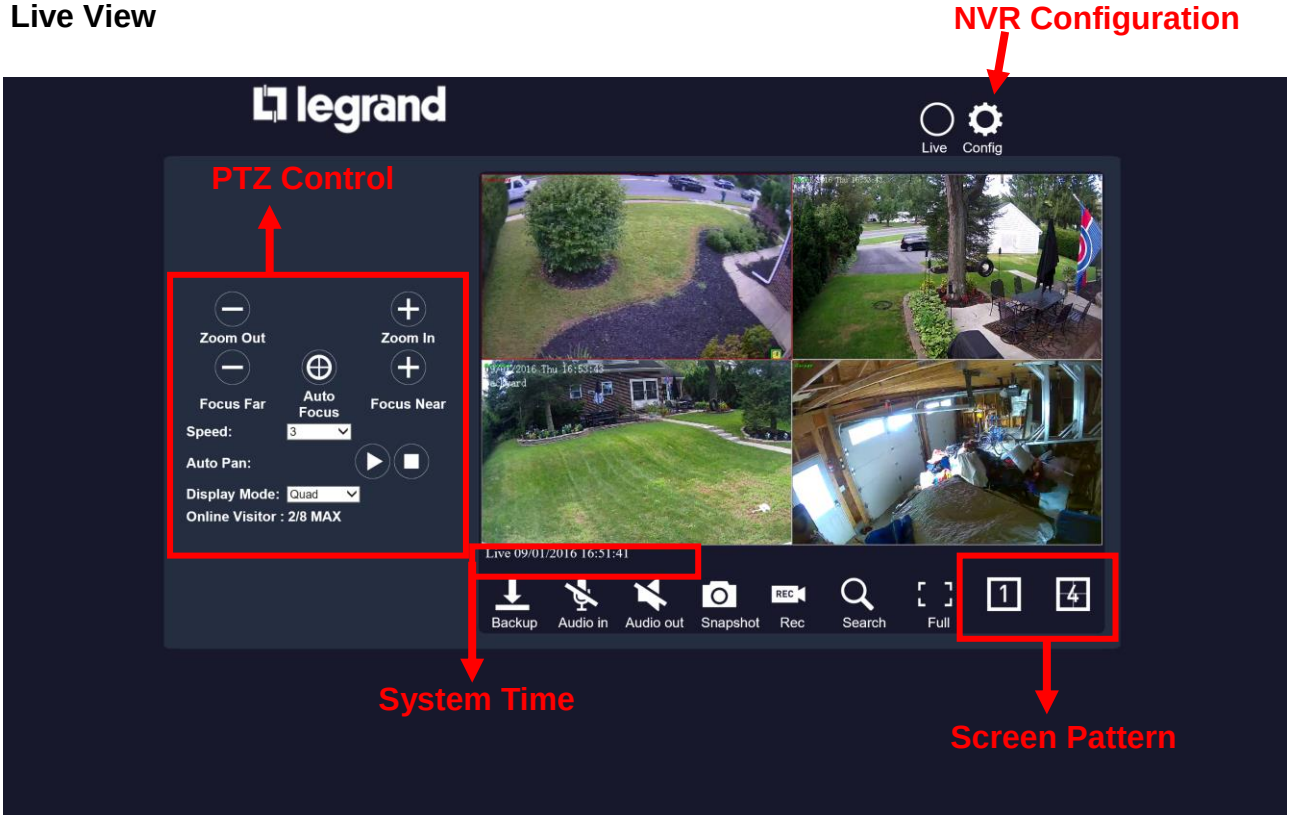
ACCOUNT & PASSWORD LOGIN

After connecting to the network or LAN; type directly the IP address of the NVR on the IE Browser directly. The following User name & Password Login window will pop up.



Enter **Default user name & password:** admin

1. Live View



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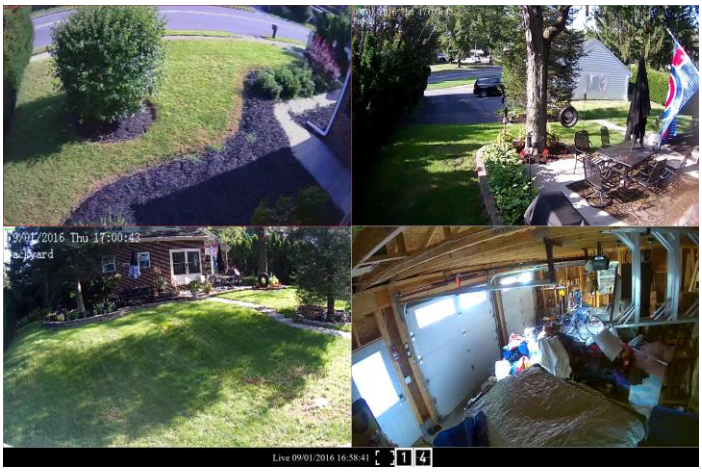
A. **Configuration**：Get into the NVR setup menu.

B. **Live**：Click on the icon to return to Live mode interface from other modes.

C. **Screen Pattern**：Click on each icon to enter a 1 screen pattern or 1/4 screen pattern mode. Click on a channel screen twice to view its full image.

D. **Full Screen**： Click to enter full screen mode. You can still adjust the screen pattern by clicking on the icons below.



When clicking 4:

When clicking 1:

Press esc button on the PC keyboard to quit this mode.

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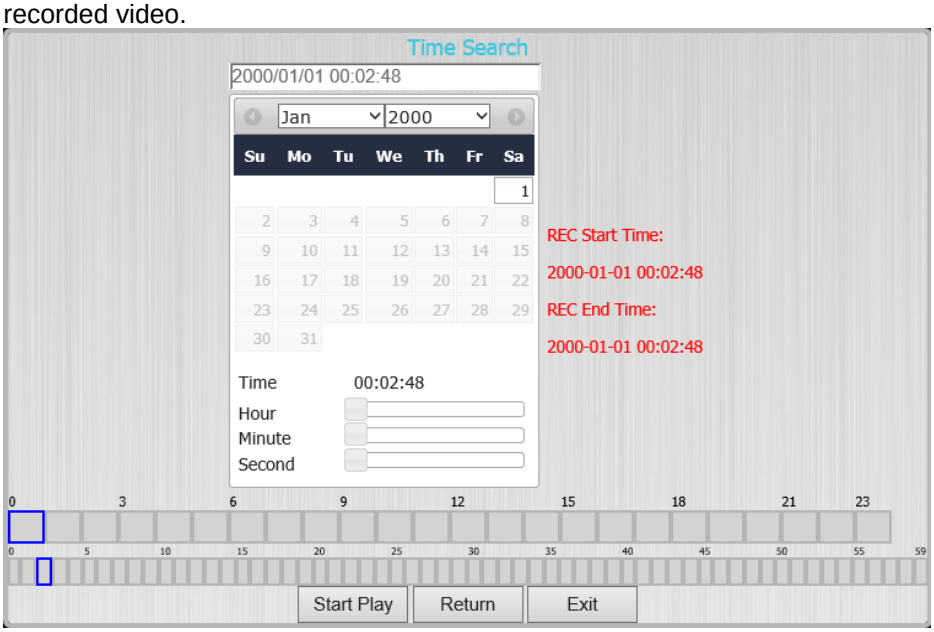
E. **Search**：Click to enable **Search menu**. 3 icons will pop up.

E1. **Time Search**

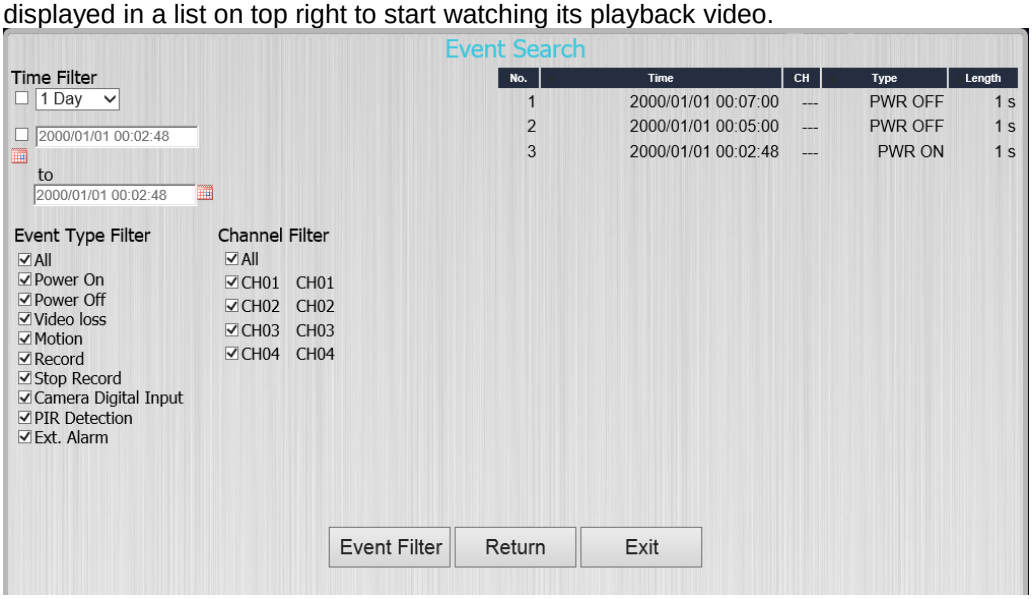
Click on the icon to enter **Time Search** page where you can see the time frame of your recorded video.



Place your mouse cursor on the time frame where you would like to view the playback video from. Click on **Start Play** button to continue.

f2. **Event Search**

After entry to the event search page, the user can click on the event log item which is displayed in a list on top right to start watching its playback video.



The user could click the **Event Type Filter** button to enter a list of events and select

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specific types to be included for being recorded on the video. Set the time range in **Time Filter** and tick any channels for the system to examine in **Channel Filter**.

f3. **Exit:** Click to return to live mode.

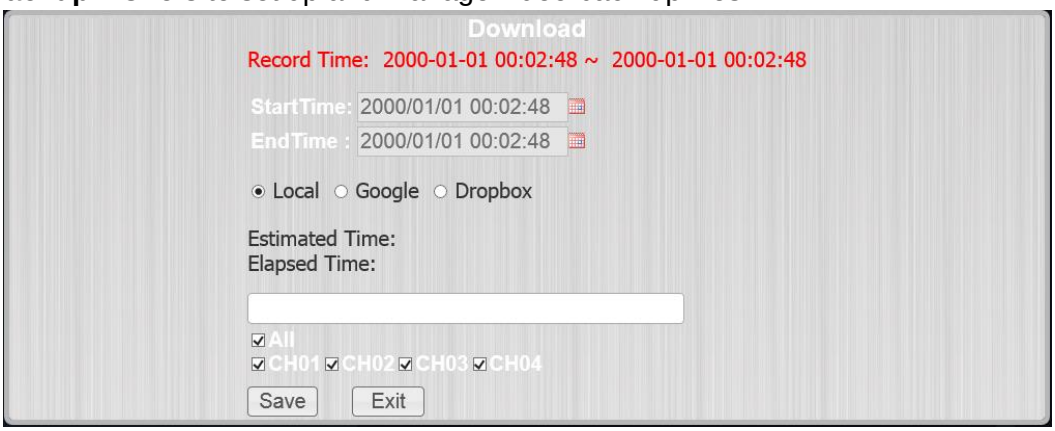
F. **Recording**：Click to start recording the live video to PC or storage device. A window will pop up on the screen for user to set up the recorded file saving path.

G. **Snapshot**：Save a single picture from the image. A window will pop up on the screen for user to set up the snapshot file saving path.

H. **Audio Out**：Click this icon to enable/disable the audio.

I. **Audio In**：Click the icon to enable or disable the one way audio.

J. **Backup**：Offers to set up and manage video back-up files.



Set up the **StartTime**, **EndTime**, and assign which channel (**CH01~CH04**) to record the backup files from. For **Backup type**, once the storage device or destination is set ready, click **Start** to proceed or **Stop** to cancel.

You can choose to have the files stored on a cloud drive like “Google Drive” or “Dropbox” and share them with others for convenience.

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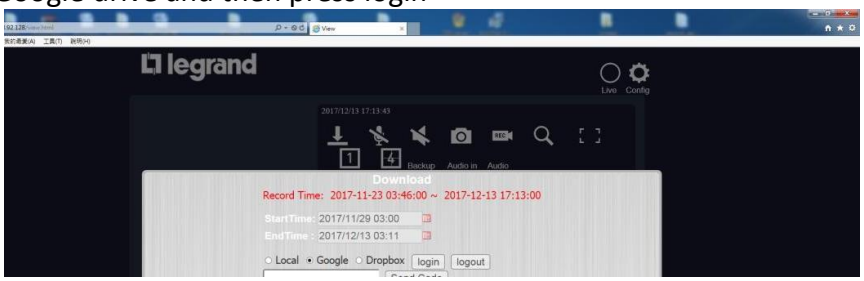
Google Drive

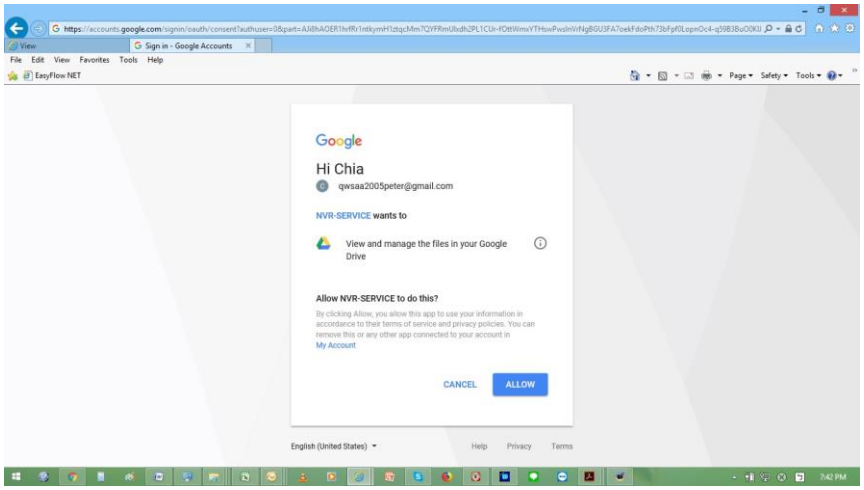
If choosing Google Drive make sure that your Google Account is set to “Allow less secure Apps”

1. create a path “Legrand/backup” on Google drive

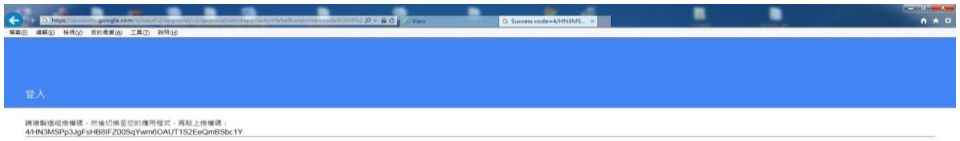
And select the time and choose Google drive and then press login



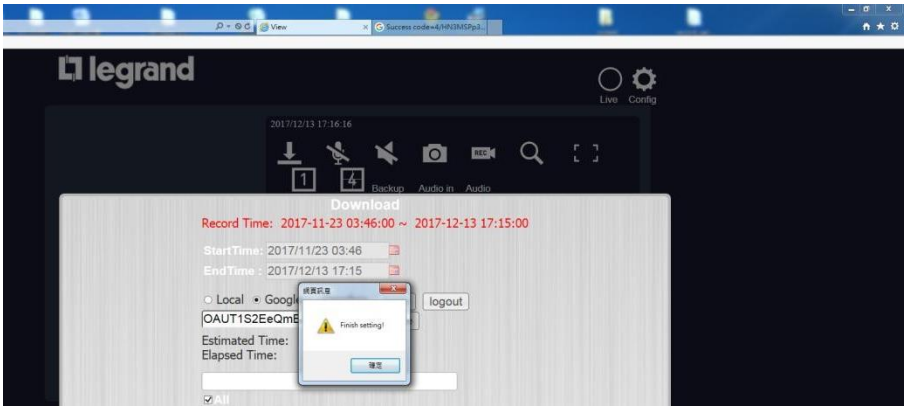
2.press allow



3. copy authentication code



4.paste authentication code, press “Send code, if it is successful, you will see “finish setting”



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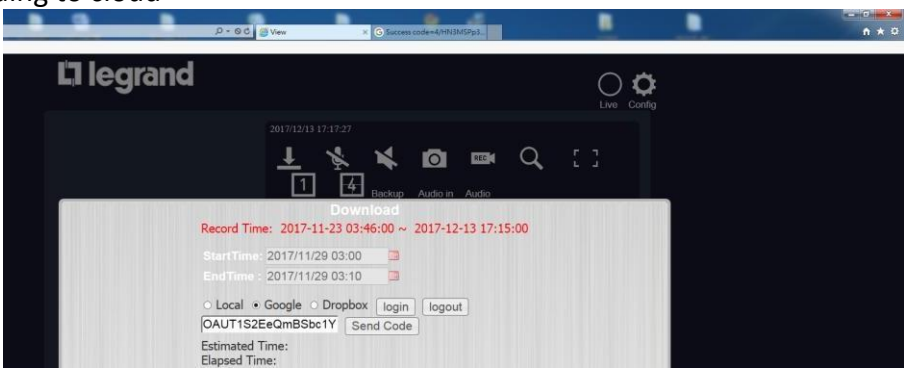
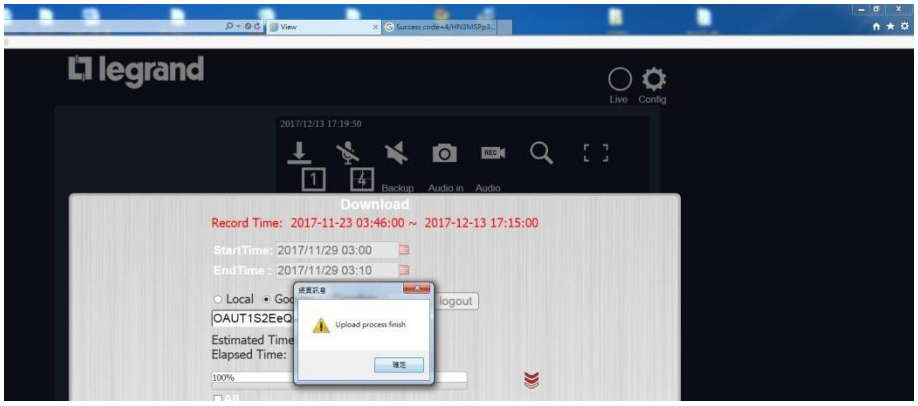
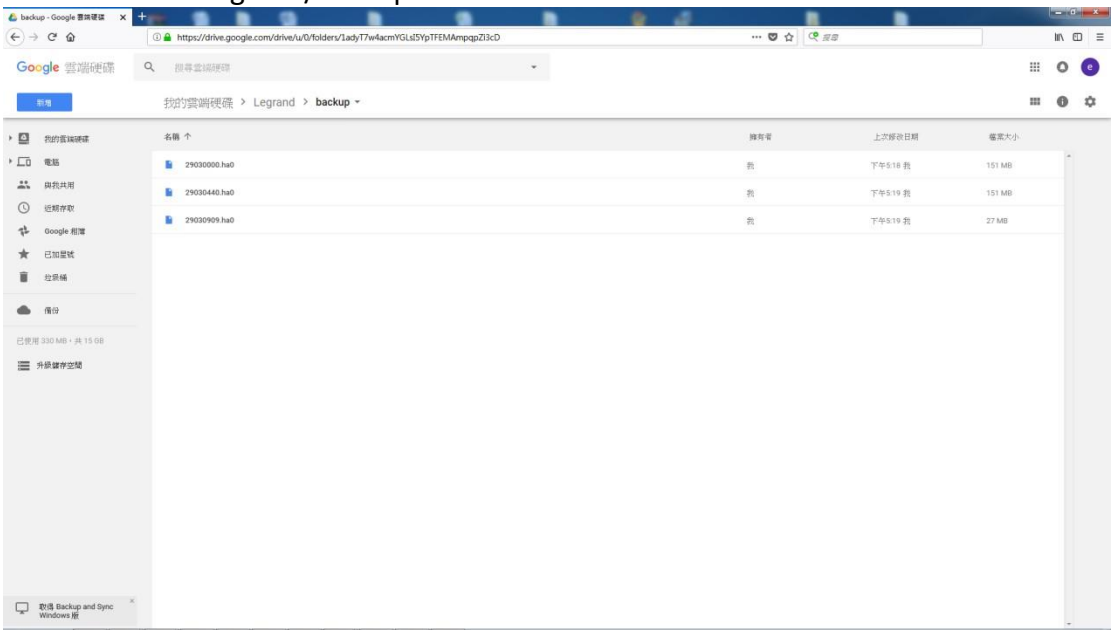
5.press save and begin uploading to cloud



6.After finishing, will show “Upload process finish”



7.The files will be located on Legrand/backup



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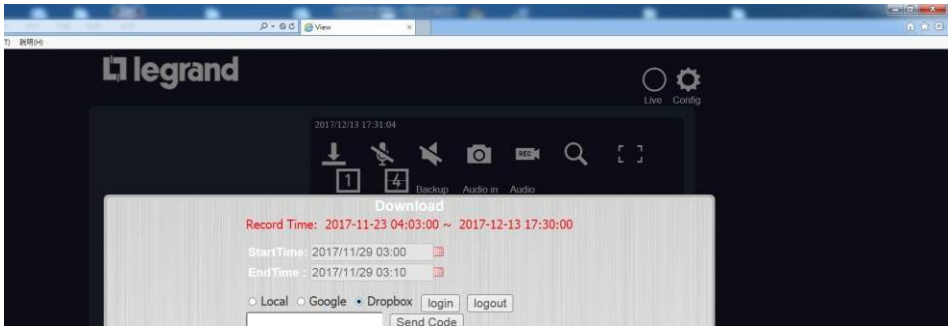
Dropbox Cloud backup

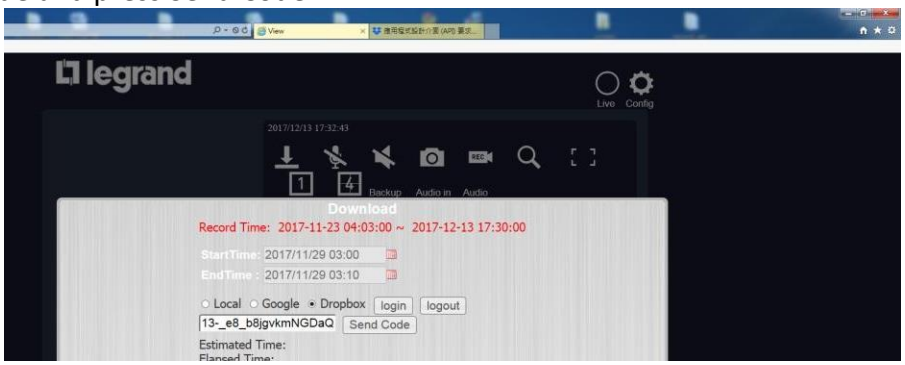
1. create the path of Legrand/backup and select the period which want to backup and choose Dropbox and press Login



2.click allow

3.Copy authentication code

4.paste the authentication code and press Send Code



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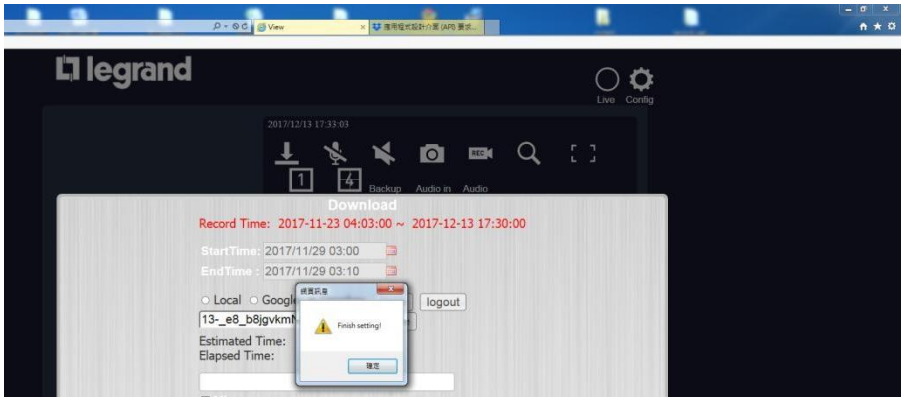
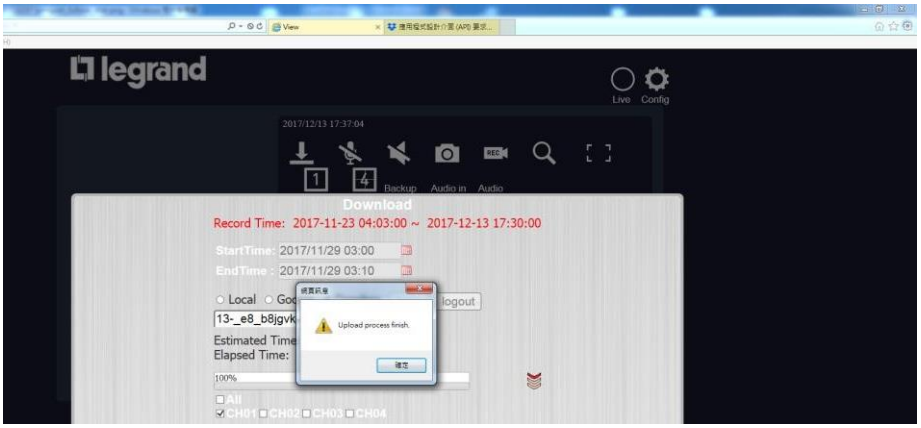
5. If the code is right, you will see “finish setting”, press “save” to begin uploading



6. After finishing, you will see “Upload process finish”



7. The files are located at Legrand/backup

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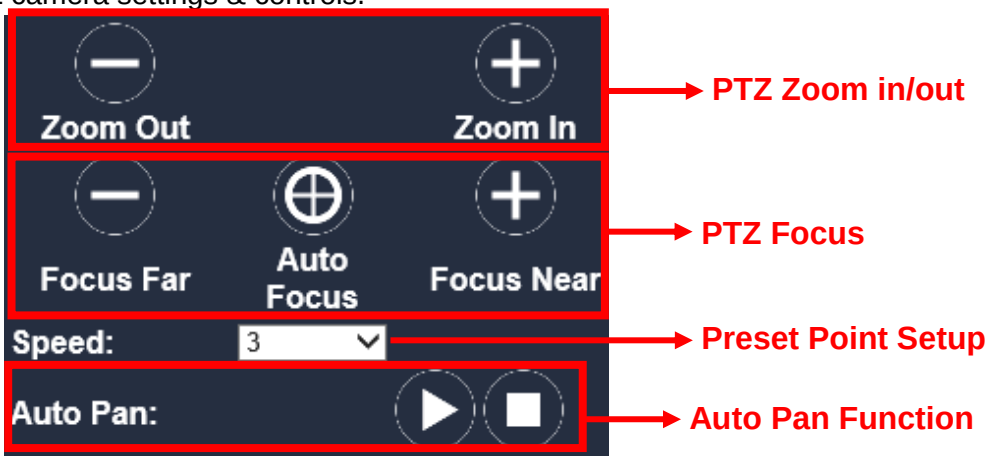
K. PTZ Control Panel

For PTZ camera settings & controls.



L.

Display Mode：Select a mode from **Single**, **Quad**, or **Sequence**. **Single** enables 1 single channel screen pattern, and **Quad** enables 1/4 screen pattern. Select **Sequence** to start switch dwell. The interval time drop down menu will pop up right after **Sequence** is selected.

M. Online Visitor：Users log on to this interface at the same time are limited to 8 people.

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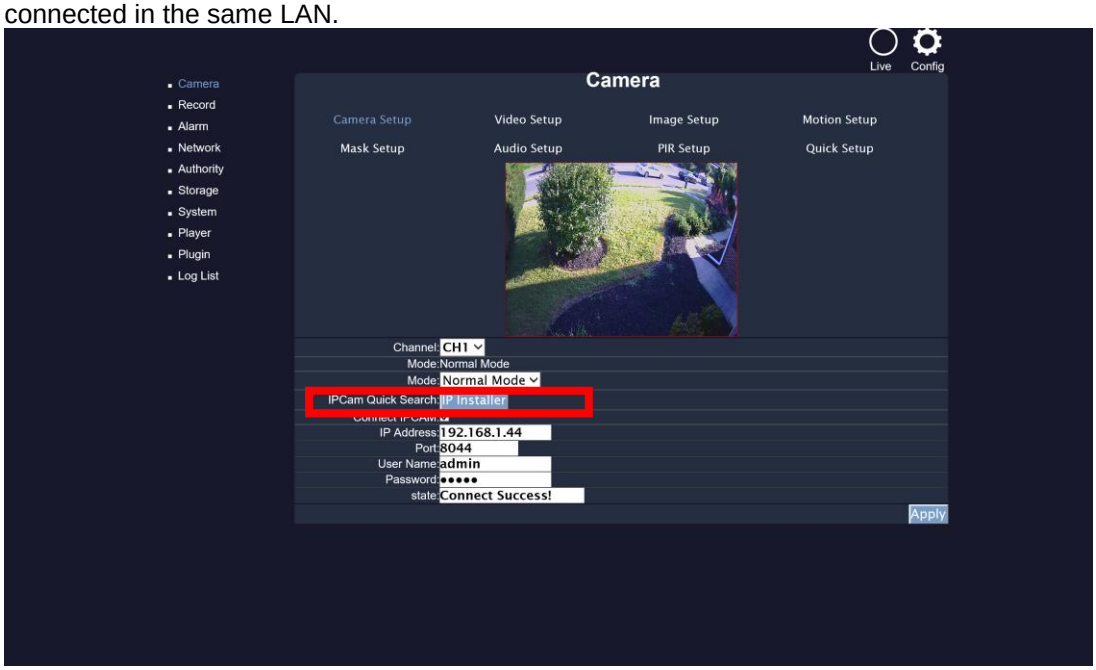
2. Camera

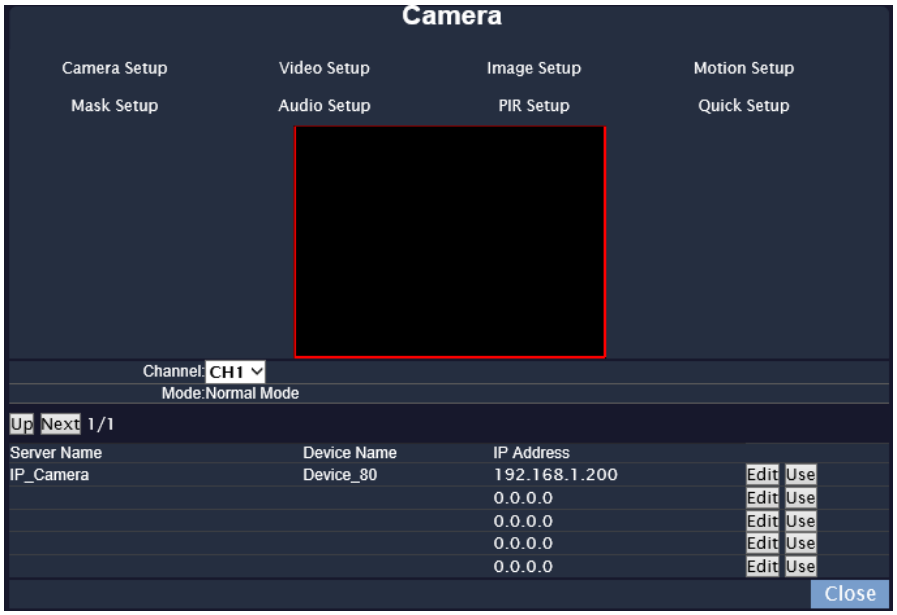
A. Camera Setup

Helps connect and operate the IP camera from your NVR. Be sure your IP cameras and NVR are connected in the same LAN.



Clicking on **IP Installer** to start searching for IP cameras online.

A-1. IP Installer



Click **IP Installer** to begin the search. The NVR will search for any network device in connection with the NVR. You can edit the IP address of the IP camera by clicking **Edit** icon.

The IP camera has to be under the same LAN with NVR in order to be successfully connected. For example, if the NVR IP address is 192.168.1.33, the IP Cam IP address should be

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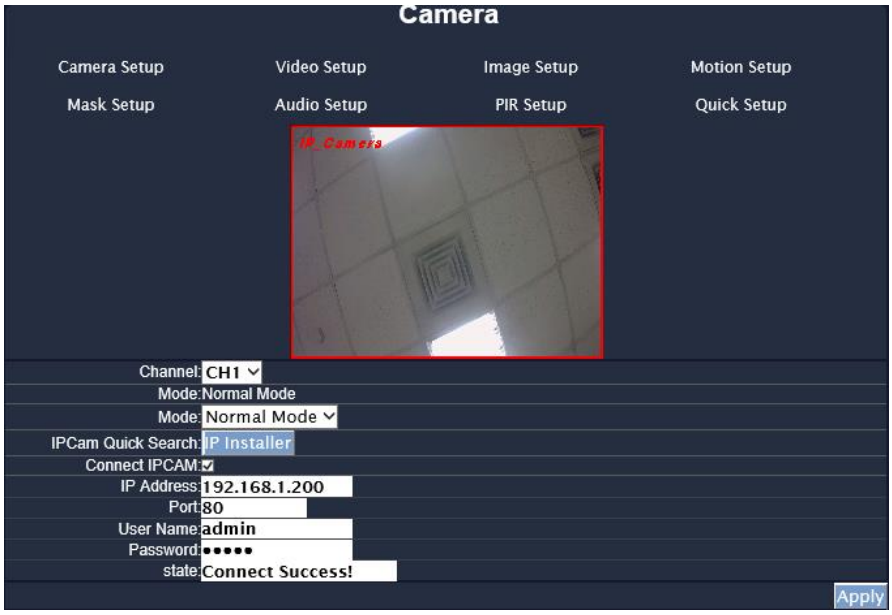
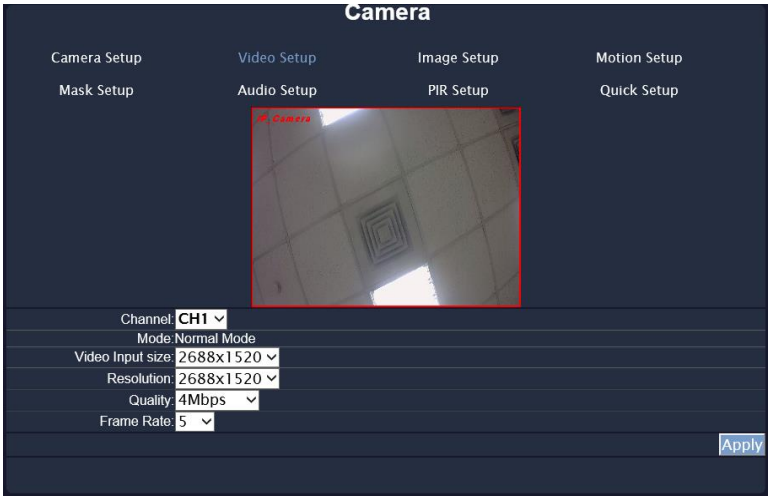
192.168.1.X.

Click on **Use** icon to connect the IP_Camera from the list. If it is connected successfully, the whole page will return to the **Camera Setup** page as below.



B. Video Setup



B-1. Channel

Click the drop down list to change the channel of the live video preview.

B-2. Video Input Size

Click the drop down list to change the input size of connecting device.

B-3. Video Input Size

Click the drop down list to change the resolution of connecting device.

B-4. Quality

Click the drop down list to change the image quality.

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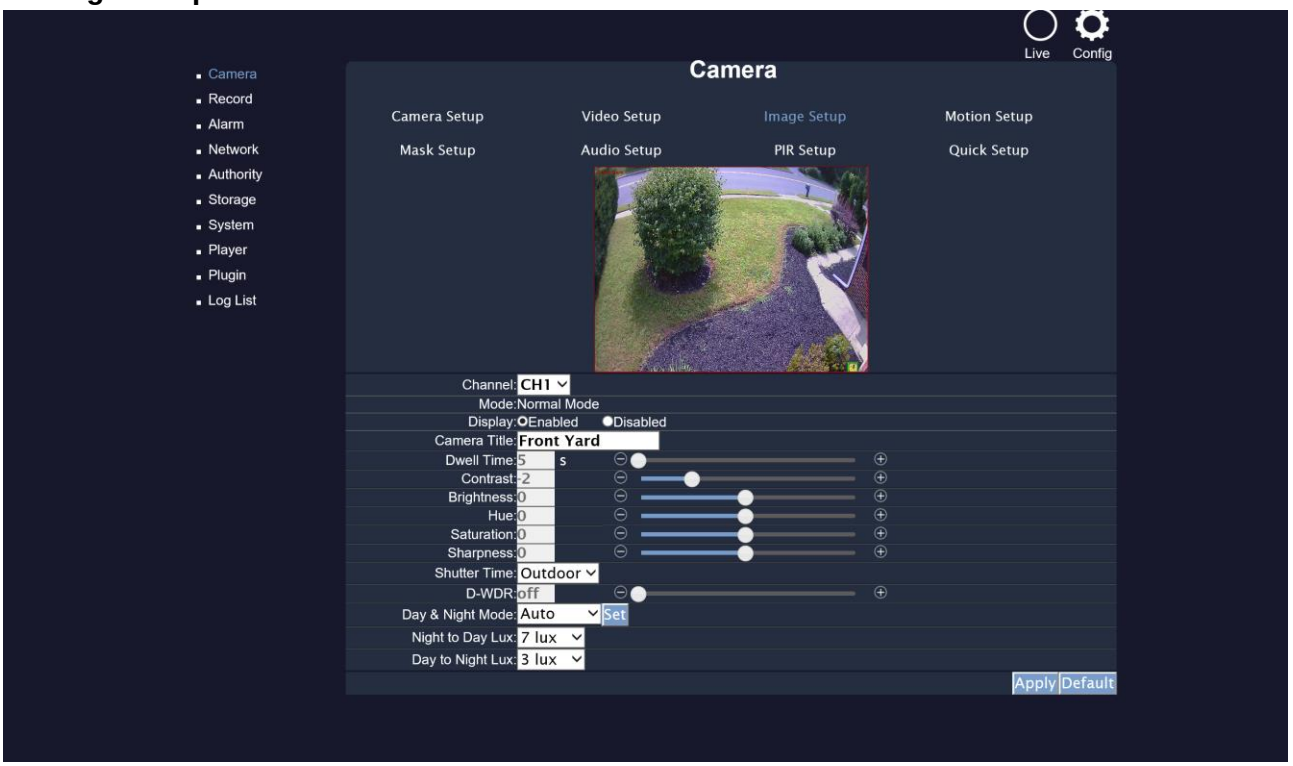
B-5. Frame Rate

Click drop down list to change the frame rate of connecting device. Click **Apply** after the quality rate of the camera is set.

C. Image Setup



C-1. Display

Use the mouse to click enable or disable for the camera display on the screen or not.

C-2. Camera Title

Input the title of the connecting IP device.

C-3. Dwell Time

Press **+** or **-** to change auto switch seconds.

C-4. Contrast

Press **+** or **-** to change contrast level.

C-5. Brightness

Press **+** or **-** to change brightness level.

C-6. Hue

Press **+** or **-** to change hue level.

C-7. Saturation

Press **+** or **-** to change saturation level.

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C-8. Sharpness

Press **+** or **-** to change sharpness level.

C-9. Shutter Time

Choose the location of your camera or a fixed shutter time. The shorter the shutter time is the less light the camera receives and the image becomes darker. Note: When you select a number in Shutter Time, it will vary in a range corresponding to the camera automatically.

C-10. D-WDR

This function enables the camera to reduce the contrast in the view to avoid dark zones as a result of over and under exposure.

C-11. Day & Night Mode

There are 3 types of sub-modes under this mode to suit different needs of user's recording preference: **Color**, **Auto**, and **Gray**. For **Set Time** mode, the camera can be operated by the time this mode has assigned with.

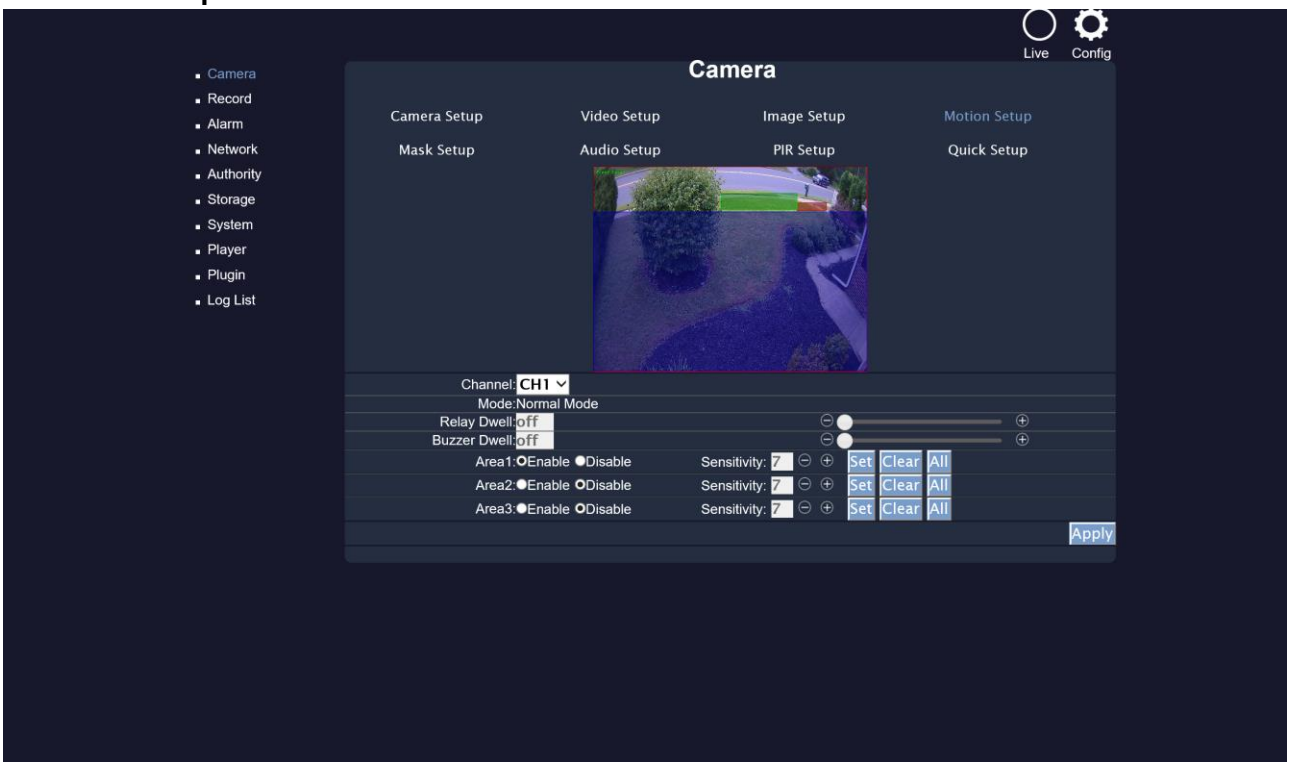
C-12. Night to Day Lux

Click to choose the lux level ranged from 5~50 at night.

C-13. Day to Night Lux

Click to choose the lux level ranged from 1~40 at day time.

D. Motion Setup



D-1. Relay Dwell

Press **+** or **-** to change the relay time or disable the relay function.

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D-2. Buzzer Dwell

Press **+** or **-** to change the buzzer time or disable the buzzer function.

D-3. Area1 / 2 / 3 Sensitivity

Press **+** or **-** to change the sensitivity value of motion in 3 Areas from 1, 2, & 3. Click **Set** and left-click your mouse button to drag a **blue**, **green**, or **red** area for motion areas.

D-4. Motion Area Setup

The picture above shows how all 3 different areas are set within 3 different frames. Each framed area is assigned to each color.

All: Set motion detection for the whole area of the screen.
Clear: Clear the area of the current color in the view.
Apply: Save the settings and keep the change.

E. Mask Setup

E-1. Mask1 / 2 / 3

The pictures above show how all 3 different areas are set within 3 different colored frames. Tick the “Mask1/2/3” box and click “**Set**”. Start dragging your masked areas in **blue**, **green** or **red** by clicking your mouse anywhere on the screen.

E-2. Masked Area Setup

The picture above shows how all 3 different areas are set within 3 different frames. Each framed area is assigned to each color.

All: Set motion detection for the whole area of the screen.
Clear: Clear the area of the current color in the view.
Apply: Save the settings and keep the change.

The live view will display the masked areas in black blocks.

F. Audio Setup

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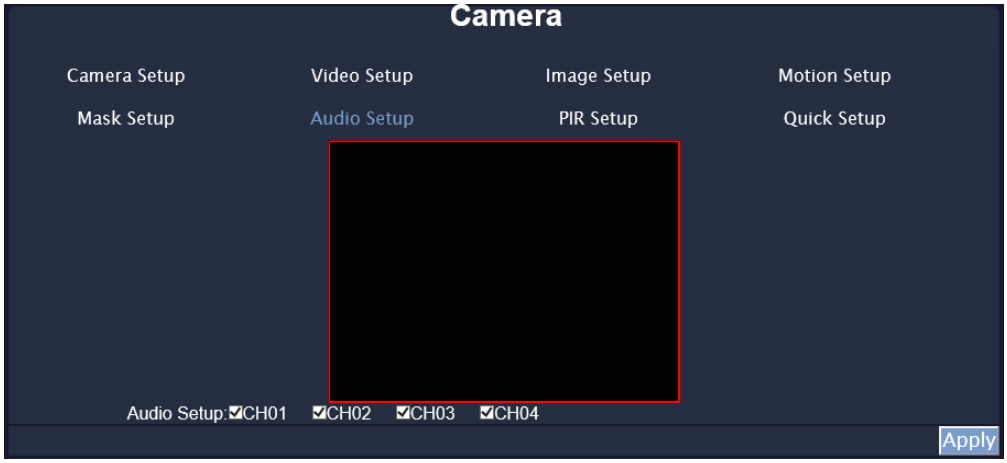
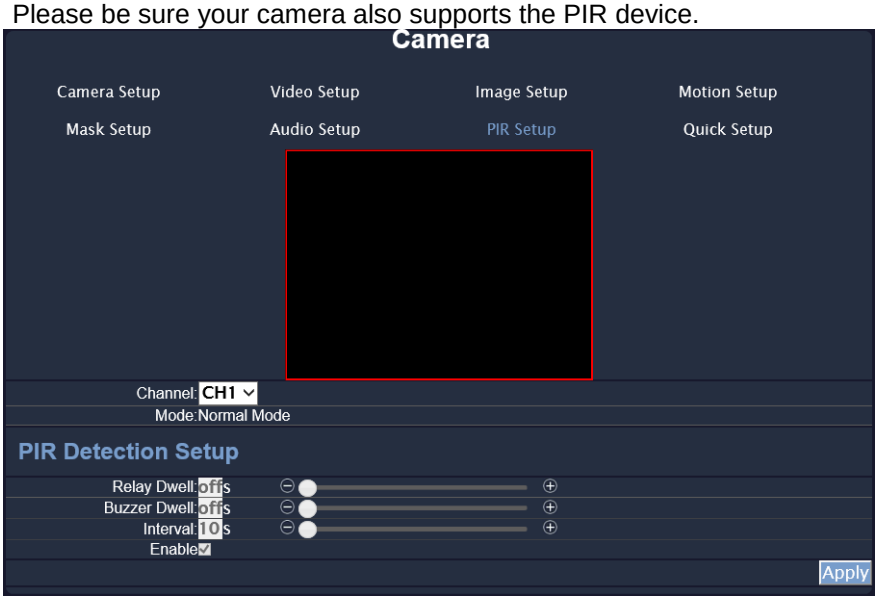


The channel ticked means the sound from the network camera will be recorded into the playback video. On the contrary, no sound will be recorded in playback video for the channel not ticked.

G. PIR Setup

Adjust the Buzzer Dwell time and its Interval after the Enable box is ticked.
Please be sure your camera also supports the PIR device.



H. Quick Setup

Other than “Camera Setup”, you can choose another way to complete the IP camera connection job: using Quick Setup.

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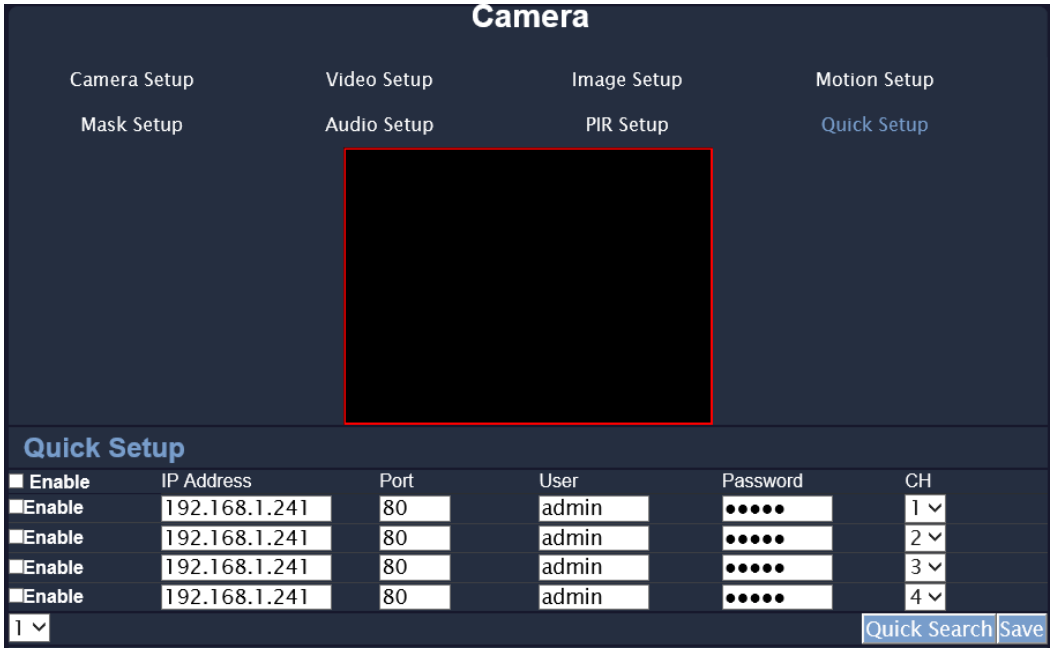


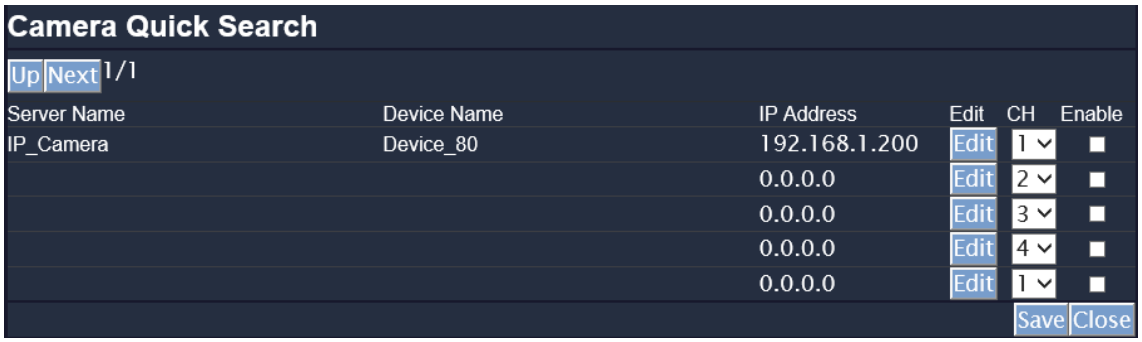
H-1. Key-in information manually

All the channels are enlisted and displayed. You can key-in the IP address, port, and user name & password of the IP camera, and then assign the channel number. Tick “Enable” to connect to the IP camera.

H-2. IP CAM Quick Search

With Quick Search, you do not need to type the IP address. Click “IP CAM Quick Search” to enter the search menu.

The NVR searches for all the IP devices listed in the LAN. Find the IP camera you want to connect to, assign a channel number for it, and tick “Enable” so for enabling this IP camera and adding it to all-channel list.



Back to the all-channel list, you can key-in the user name and password, and tick “Enable” to connect to the camera. If you want to revise the IP setting of a camera, click “Edit”:

The IP Cam has to be under the same LAN with NVR in order to connect successfully. Ex. If the NVR IP address is 192.168.10.33, the IP Cam IP address should be 192.168.10.X. You can edit the IP Cam IP address here or on the IP Cam.
If all settings are confirmed, be sure to **Save** the settings before clicking on **Close**.

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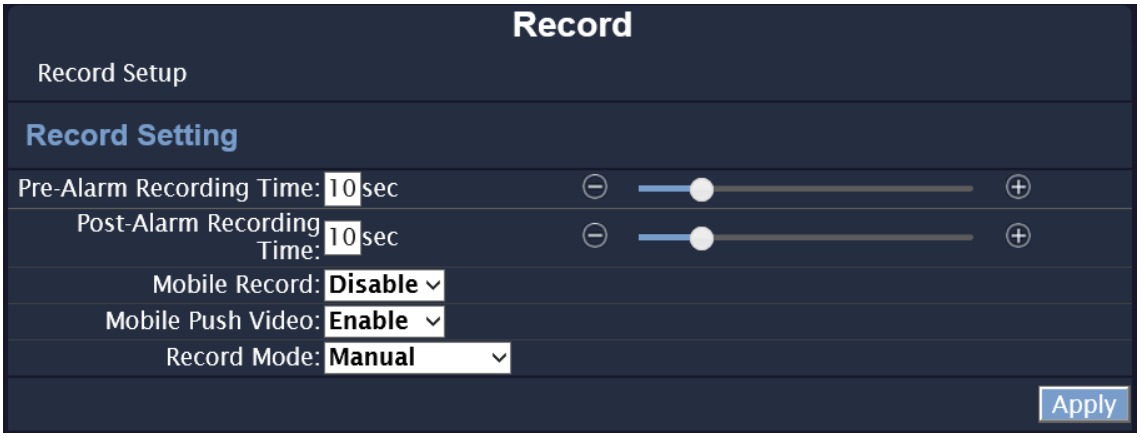
3. Record



A. Pre-Alarm Record Time / Post-Alarm Record Time

Pre-alarm record means the recording before the alarm is triggered; post-alarm record means the recording after the alarm is triggered. If you set 5 seconds for pre-alarm and 5 seconds for post-alarm, the alarm recording length will be 10 seconds in total.

B. Mobile Record / Mobile Push Video

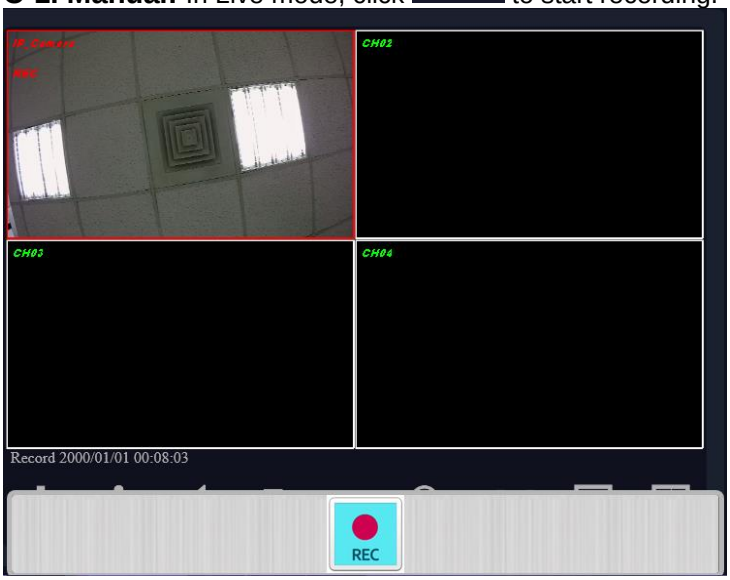
Choose “Enable” to begin both the Mobile Record streaming and Mobile Push Video for mobile viewing.

C. Record Mode

The record mode will be applied to all channels simultaneously. During the recording, the NVR will record both main streaming and sub streaming from the IP Cam. Use the drop down list to switch recording modes.

C-1. Manual: In Live mode, click

to start recording.



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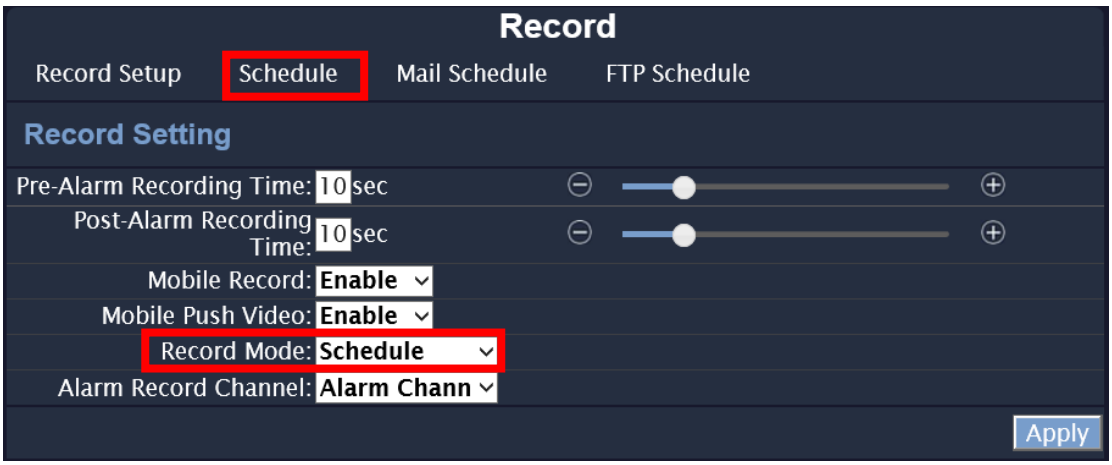
A bar will pop up down below, with the button flickering. Click to stop recording.

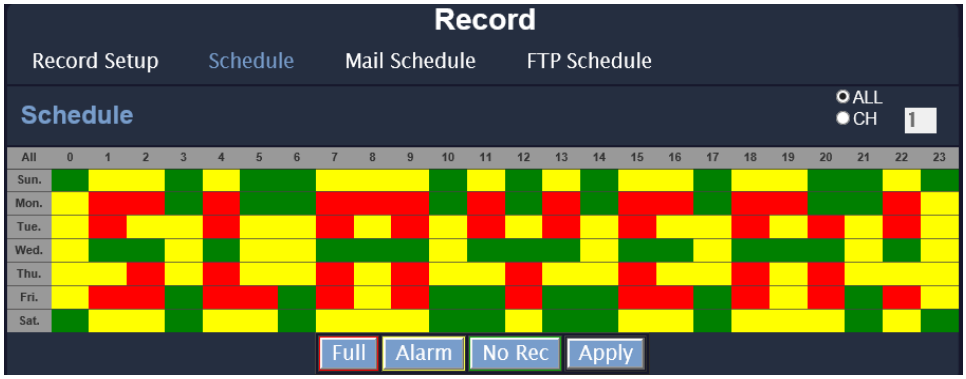
C-2. Schedule:



Click on the drop down list from the **Record Mode** on the right, and select **Schedule**. There will be three Setup options available: **Schedule Setup**, **Mail Schedule Setup**, and **FTP Schedule Setup**.

Users can assign the schedule to any channel by clicking on **ALL** / **CH** on top right of each setup menu. Press **+** or **-** to change the channel to apply to.

a. Schedule Setup:



Click the tag "**FULL REC**"(Red) / "**ALARM REC**"(Yellow) / "**NO REC**"(Green), and then draw on the calendar. The recording type will follow the schedule. The tag "**ALARM REC**" includes all the alarm types.

b. Mail Schedule Setup:

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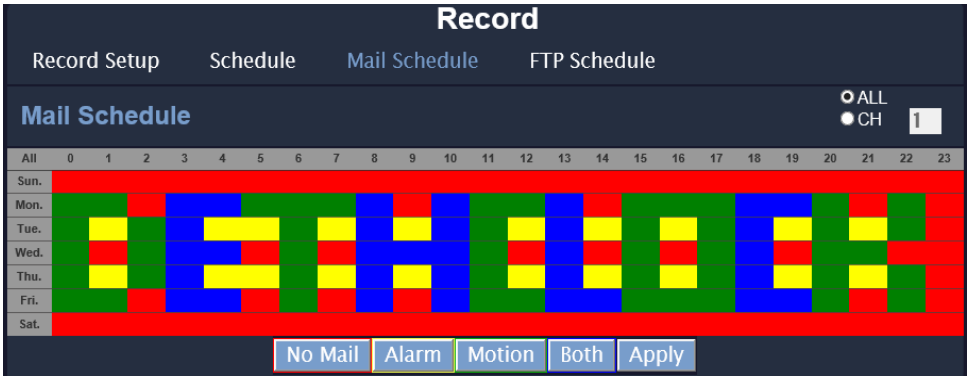
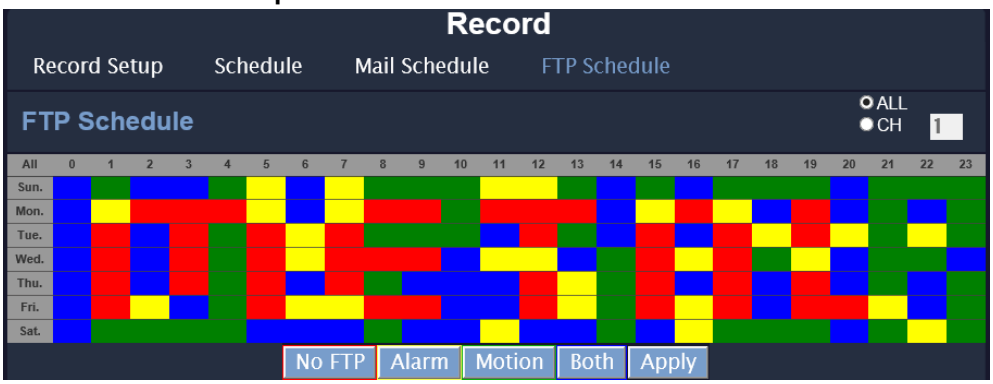


Select the time that the recording video is sent to the mail address. No mail will be sent during "**NO MAIL**" period even the motion detection is triggered. The tag "**ALARM MAIL**" refers to both external alarm and DI from camera.

c. FTP Schedule Setup:



Select the time that the recording video is uploaded to FTP. No file will be uploaded during "**NO MAIL**" period even the motion detection is triggered. The tag "**ALARM FTP**" refers to both external alarm and DI from camera.

C-3. Alarm Trigger

Start recording when any type of alarm event occurs. The recording video length is according to the setting of "Pre-Alarm Record Time/Post-Alarm Record Time".

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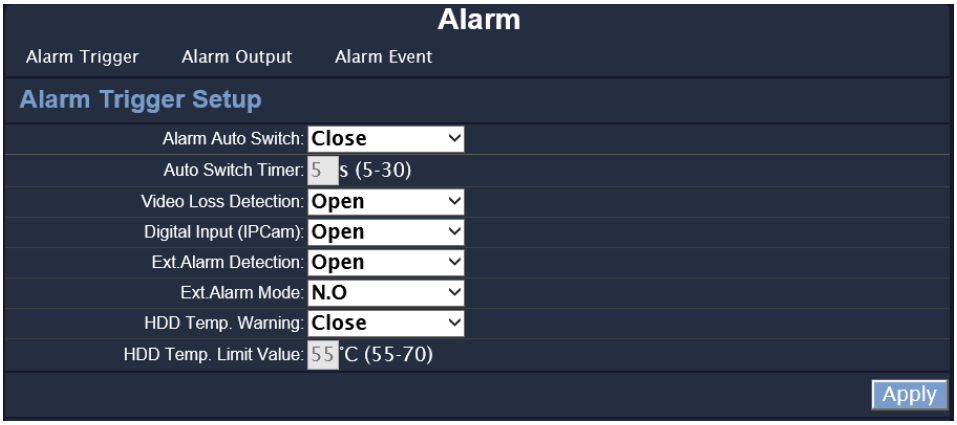
4. Alarm

A. Alarm Trigger Setup



A-1. Alarm Auto Switch / Auto Switch Timer

Use the drop down list to switch the alarm auto switch. When the alarm is triggered, the screen will switch to full screen, 4CH split screen or disable. Set the lasting seconds in **Auto Switch Timer** for full / split screen modes.

A-2. Video Loss Detection

Use the drop down list to switch the video loss detection. When the video loss is detected, the alarm will be triggered.

A-3. Digital Input (IP Cam)

Use the drop down list to switch on /off the Digital Input from IP camera. When the DI signal is received from the camera, the alarm will be triggered.

A-4. Ext. Alarm Detection

Use the drop down list to switch the external alarm detection. When the external alarm is detected, the alarm will be triggered.

A-5. Ext. Alarm Mode

Use the drop down list to switch the external alarm mode. If the external alarm is setup for normal open, the option has to switch to N.O.; for the contrary, the option has to switch to N.C.

A-6. HDD Temp Warning

Select **Enable** from the drop-down list to trigger the buzzer whenever the storage device gets overheated.

A-7. HDD Temp. Limit Value

Set the temperature limit between 55~70 .

B. Alarm Output Setup

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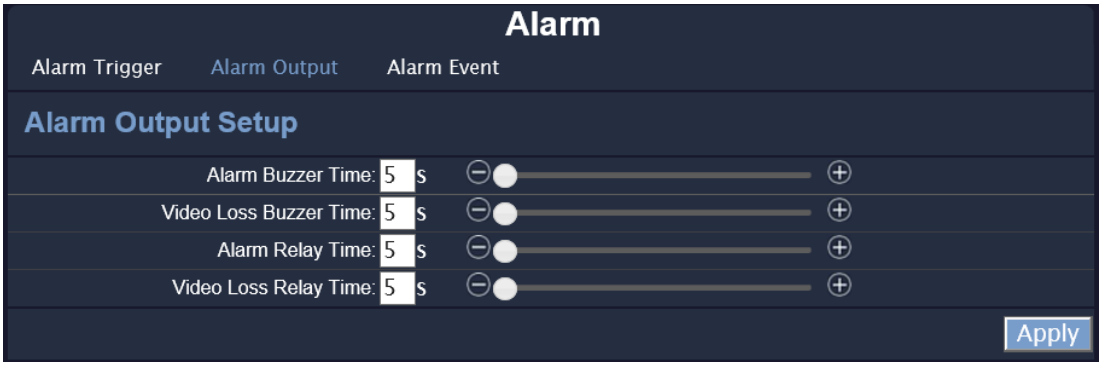
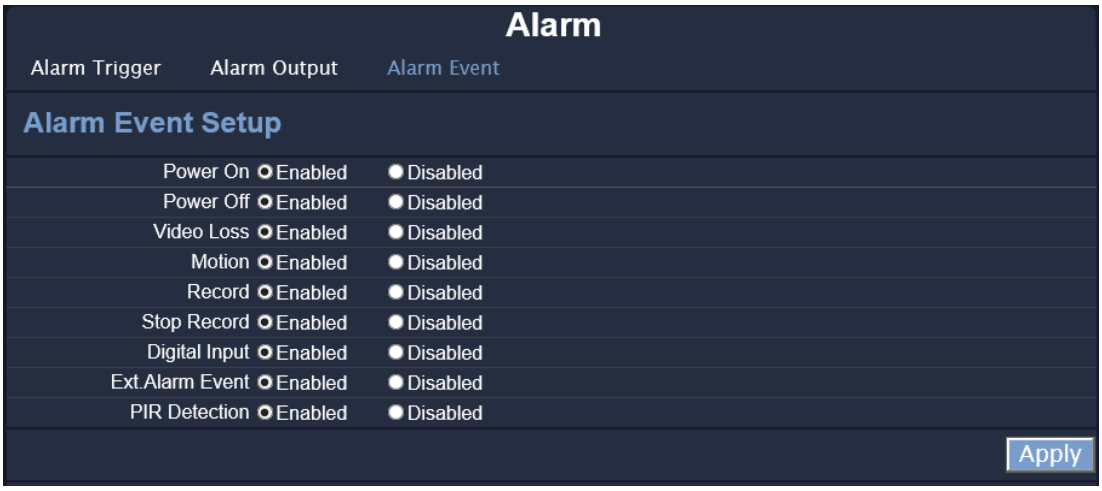


This control item is divided into two parts, “Buzzer Time” and “Relay Time”. The user can press **+** or **-** to switch the external buzzer time and video loss buzzer time in “Buzzer Time” option. The adjustment value is from 5 to 99 seconds. Moreover, among “Relay Time” option, users can press **+** or **-** to switch the external buzzer time and video loss buzzer time. The adjustment value is also from 5 to 99 seconds.

The Value of Ext. Alarm Buzzer / Relay Time determine the buzzer / relay time of both external alarm in and digital input (IP Cam).

C. Alarm Event Setup



There are nine types of events that can be selected. When the selected items occur and triggered, the log will be recorded in the event playback list.

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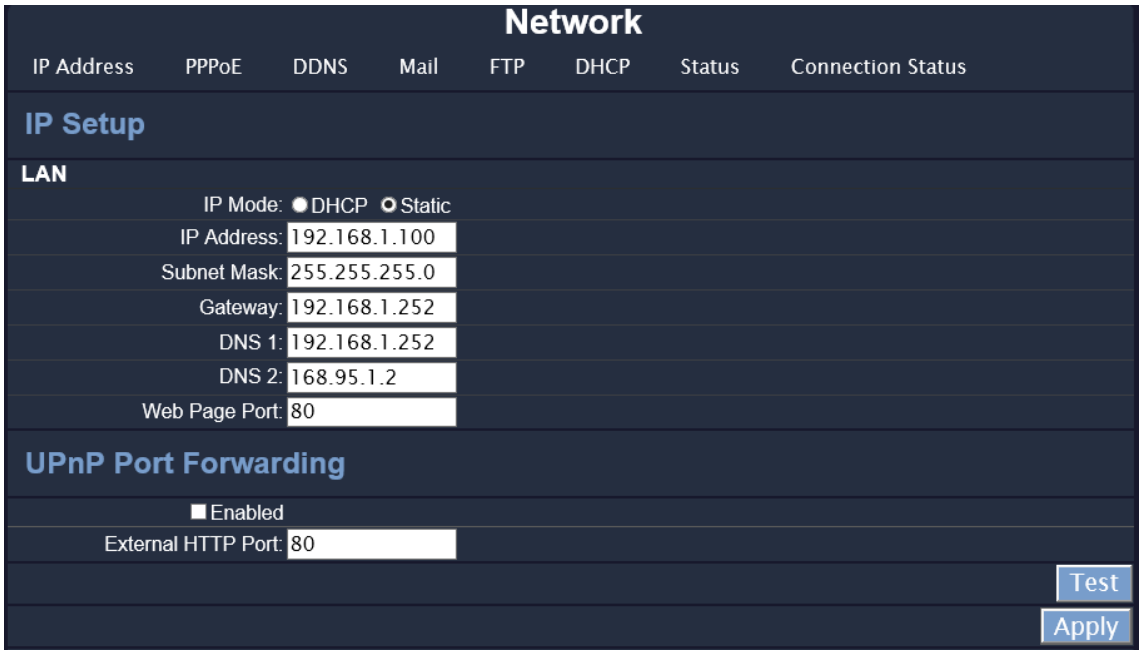
5. Network

A. IP Setup



A-1. IP Mode

Select the IP mode from **Static IP** to **DHCP**.

A-2. IP Address

Input the NVR IP Address.

A-3. Subnet Mask

Give the subnet mask which we usually set to 255.255.255.0.

A-4. Gateway

Give NVR gateway.

A-5. DNS1 & DNS2

Key-in DNS1 and DNS2 that provided by ISP.

A-6. Web Page Port

Give the NVR http port for web browser. Default is 80.

B. UPNP Port Forwarding

B-1. Enable

Use the checkbox to enable or disable UPNP port setup.

B-2. External HTTP Port

Use the virtual keypad to insert the external http port.

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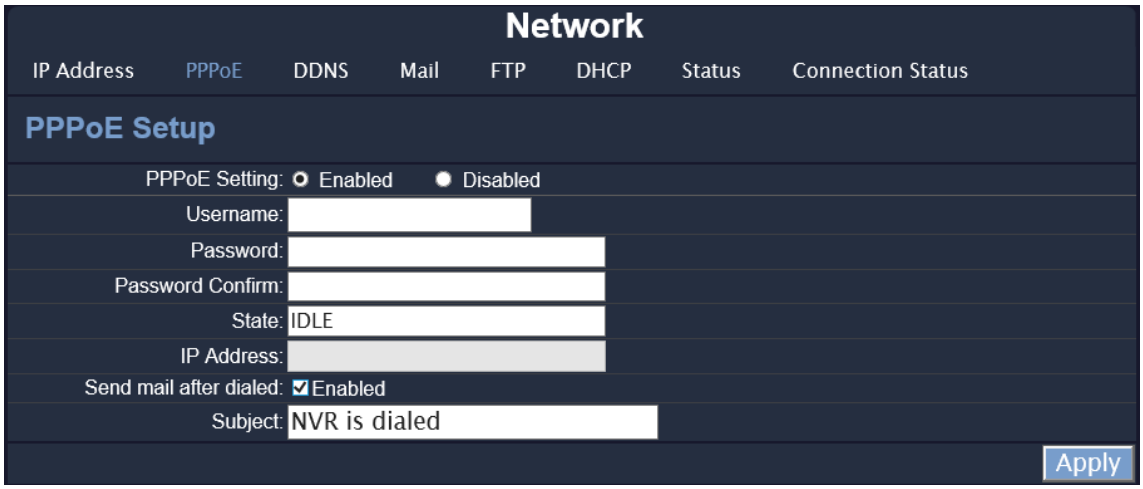
C. PPPoE Setup



C-1. PPPoE Setting

Choose to **Enable** or **Disable** PPPoE.

C-2. Username

Insert the user name (ADSL account) which provided from local ISP.

C-3. Password

Insert the password which provided from local ISP.

C-4. Password Confirm

Insert the password again to confirm the password.

C-5. State

Present the current status of PPPoE function.

C-6. IP Address

Input the IP Address.

C-7. Send Mail After Dialed

Click the drop down list to enable or disable the function.

C-8. Subject

Insert the mail subject when dialed successfully.

D. DDNS Setup

Legrand offers a free DDNS service for users of our IP based products. To register for a friendly name, e.g. “smith.legrandhome.net”, for your client to be able to view any of their devices that are port forwarded please email Legrand’s tech support at technical.support-HS@legrand.us. In the email ask for the legrandhome.net DDNS service and provide the username (keep it short but memorable) and a password. You will receive an email

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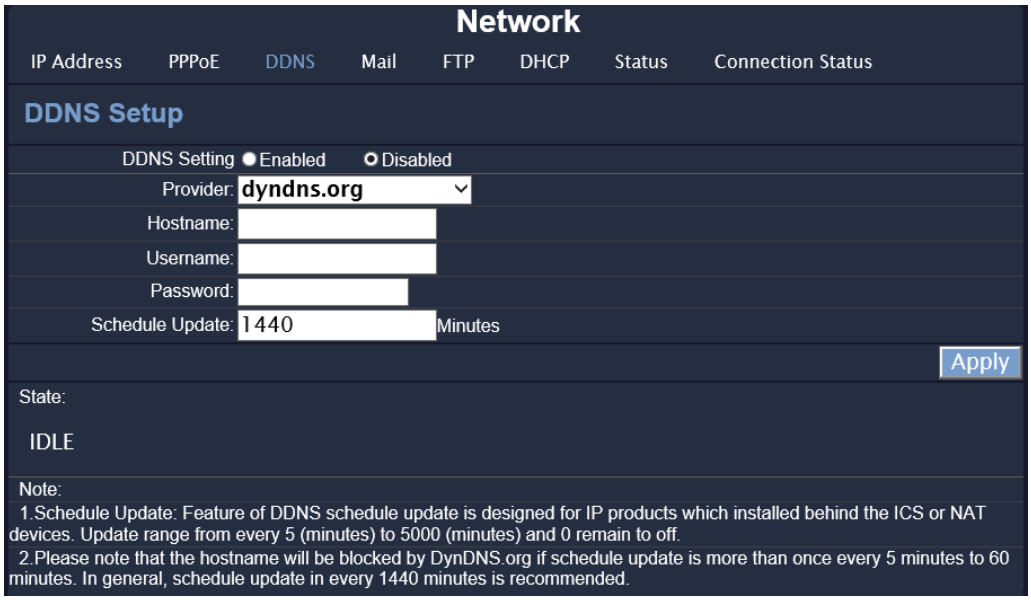
confirming the service is active and provide the information you need to complete setup.



D-1. DDNS Setting

Click to enable or disable the DDNS function.

D-2. DDNS Provider

Click the drop down list to select the DDNS server. (If using the free Legrand DDNS service choose no-ip.com.)

D-3. Host Name

Insert the registered host name in the selected provider. (If using the free Legrand DNS service enter the “Host Name” (username.legrandhome.net) listed on the email sent informing of the service activation.)

D-4. Username

Insert the registered user name in the selected provider. (If using the free Legrand DNS service enter the “Username” (username#Legrand) listed on the email sent informing of the service activation.)

D-5. Password

Insert the registered password in the selected provider. (If using the free Legrand DNS service enter the “Password” listed on the email sent informing of the service activation.)

D-6. Schedule Update

A period of time to update IP address.

D-7. State

The state after applied to DDNS.
Updating: Information update.
Idle: Stop service.
DDNS registered successfully, now log by http://<username>.legrandhome.net: Registered successfully.
Updating Failed: the name is already registered.
Updating Failed: please check your internet connection.

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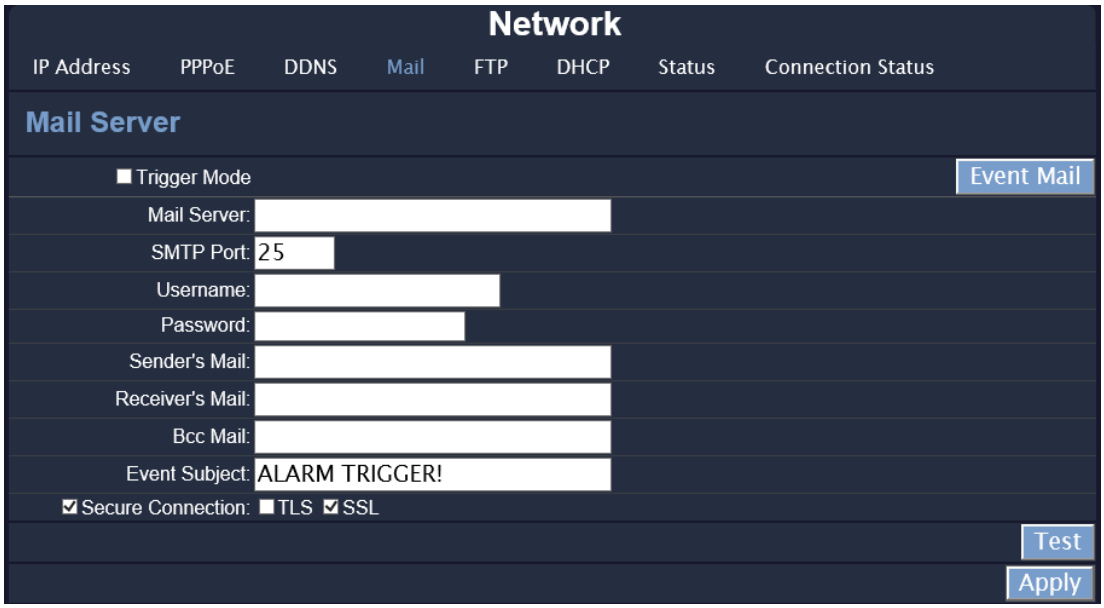
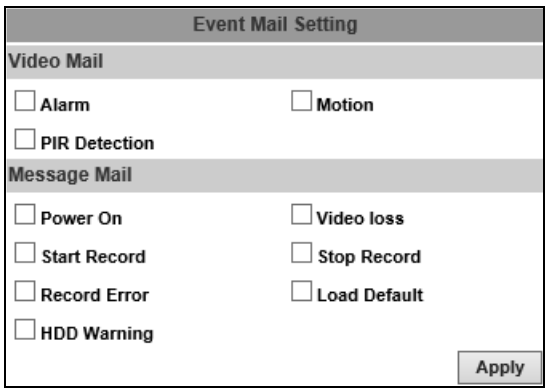
E. Mail Server



E-1. Enable

Tick "**Trigger Mode**" to send video to the mail address when external alarm or DI from IP Cam is triggered.

E-2. Event Mail



Video Mail

Alarm / Motion / PIR Detection

Sends a video notification via email for Alarm-in and/or Motion detection

Message Mail

Power On：A notification will be sent via email when the NVR starts or reboots.
Start Record：A notification will be sent via email when the NVR starts recording.
Record Error：A notification will be sent via email when the recording fails.
HDD Warning：A notification will be sent via email while recording in the HDD fails.
Video Loss：A notification will be sent via email when image or Internet connection is lost.
Stop Record：A notification will be sent via email when the NVR stops recording.
Load Default：A notification will be sent via email when the NVR load the default settings.

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E-3. Mail Server

The IP address of Mail Server

E-4. SMTP Port

The port of SMTP (Simple Mail Transfer Protocol). (Default value is 25)

E-5. Username

The user name while log in to the mail server.

E-6. Password

The password while log in to the mail server.

E-7. Sender's Mail

Enter the sender's account when the mail is sent via this mail server.
If you are using Gmail as a sender account, make sure that your Google Account is set to "Allow less secure Apps"

E-8. Receiver's Mail

Enter the receiver's mail account.

E-9. BCC Mail

Enter the receiver's BCC mail account.

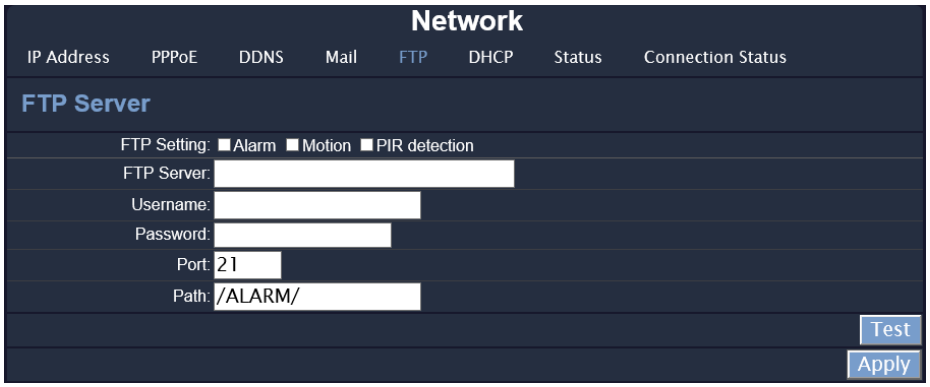
E-10. Event Subject

Enter the subject of the mail.

E-11. Secure Connection

When ticked, the user can choose connection type between SSL or TLS.

F. FTP Server



F-1. FTP Setting

Tick **ALARM** to upload video to FTP when external alarm or DI is triggered.
Tick **Motion** to upload video to FTP when motion detection is triggered.
Tick **PIR DETECTION** to upload video to FTP when PIR detection is triggered.

F-2. FTP Server

The IP address of FTP Server.

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F-3. Username

The username while log in to the FTP server.

F-4. Password

The password while log in to the FTP server.

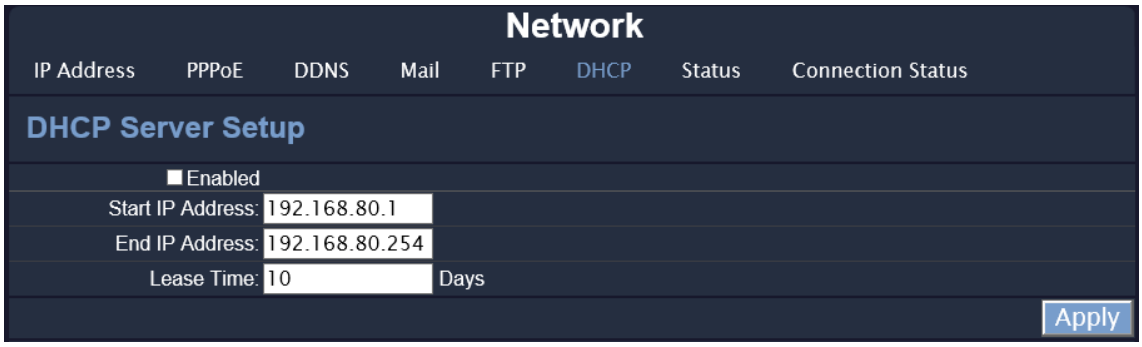
F-5. FTP Port

The port number of file transmission. (Default value is 21)

F-6. Path

The ftp path where the user wants to save the information.
Finally, click **Test** to see if the settings can fully function.

G. DHCP Server Setup



G-1. Enabled

Tick the Enabled box to enable or disable the DHCP Server function. Once the function is activated, the NVR can act as the DHCP server. It will assign or distribute one of the IP addresses according to the setup IP address range (start and end IP Address.) to the connecting IP CAM (setup DHCP function).

G-2. Start IP Address

Use the virtual keypad to insert the start IP Address of DHCP server.

G-3. End IP Address

Use the virtual keypad to insert the end IP Address of DHCP server.

G-4. Lease Time

Input the lease time of DHCP server.

H. Status

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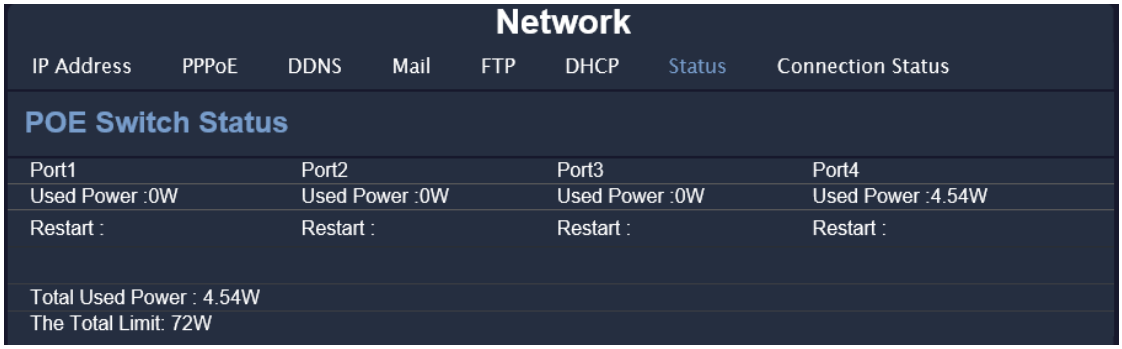
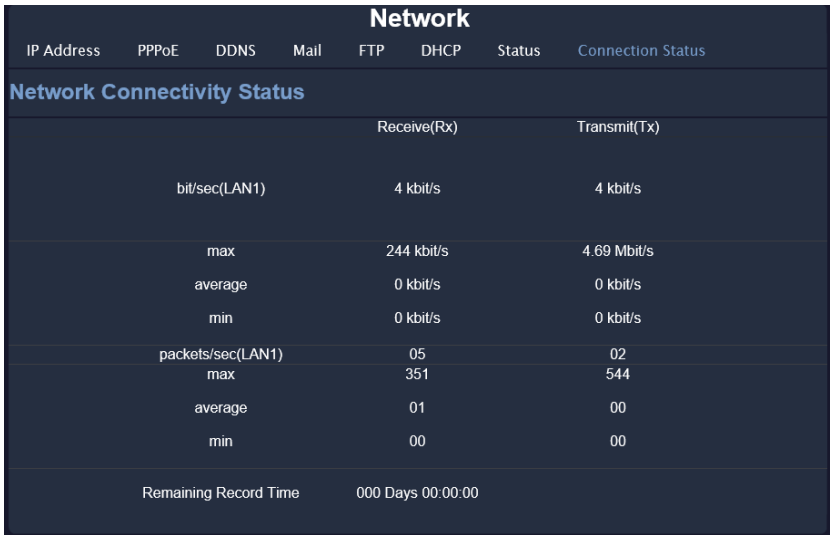


H-1. POE SWITCH Status:

Click in the POE SWITCH Status button to check on the POE connection status.

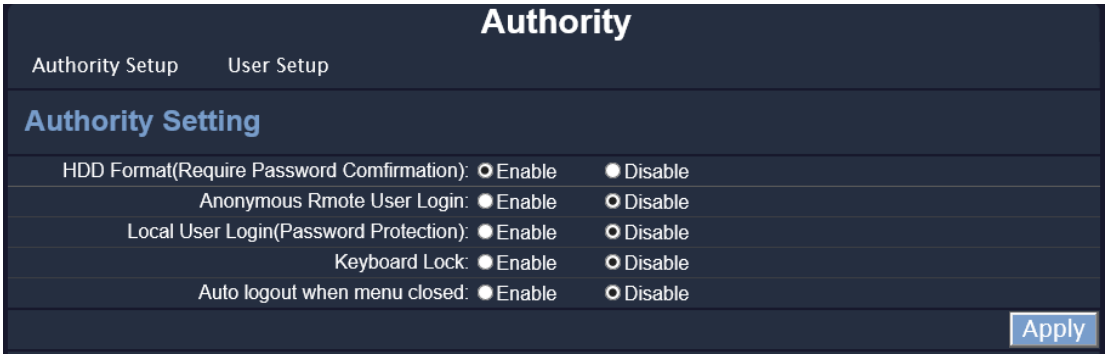
I. Connection Status



I-1. Network Connectivity Status

Browse through details of the connection status. You may consider how you want to set up your streaming mode by acquiring information provided here.

6. Authority



A. HDD Format (Require Password Confirmation)

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Tick the box to enable or disable the operation which allows the user to insert the password before performing the HDD formatting.

B. Anonymous Remote User Login

Tick the box to enable or disable the authority of the anonymous user login. Once enabled, the user can view the live image via IE browser without having to insert the username/ password.

C. Local User Login (Password Protection)

Tick the box to enable or disable the authority of password protection.

D. Keyboard Lock

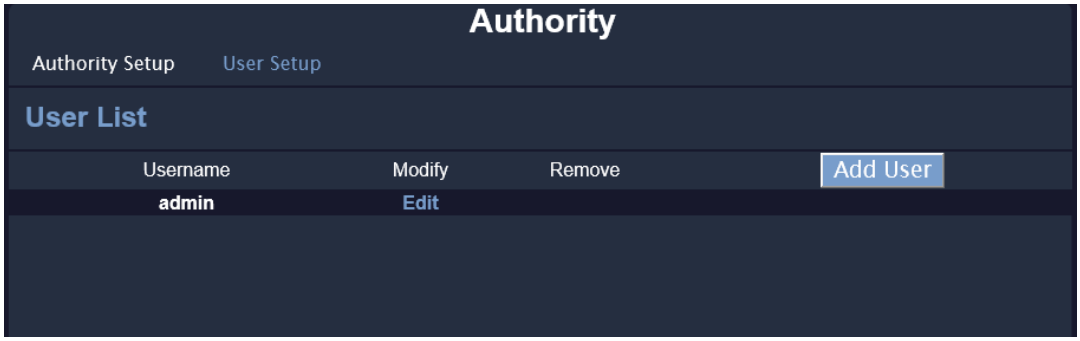
Tick the box to enable or disable the control bar of live view.

E. Auto logout when menu closed

Tick the box to enable or disable the operation. Enabling this operation will allow the system to log out automatically after the menu is closed.

F. User Management

The administrator can set up the user management permission & user authority management.



F-1. Permission

Click on **Edit** and the tick the checkboxes from the pop-up window to modify the user authority.

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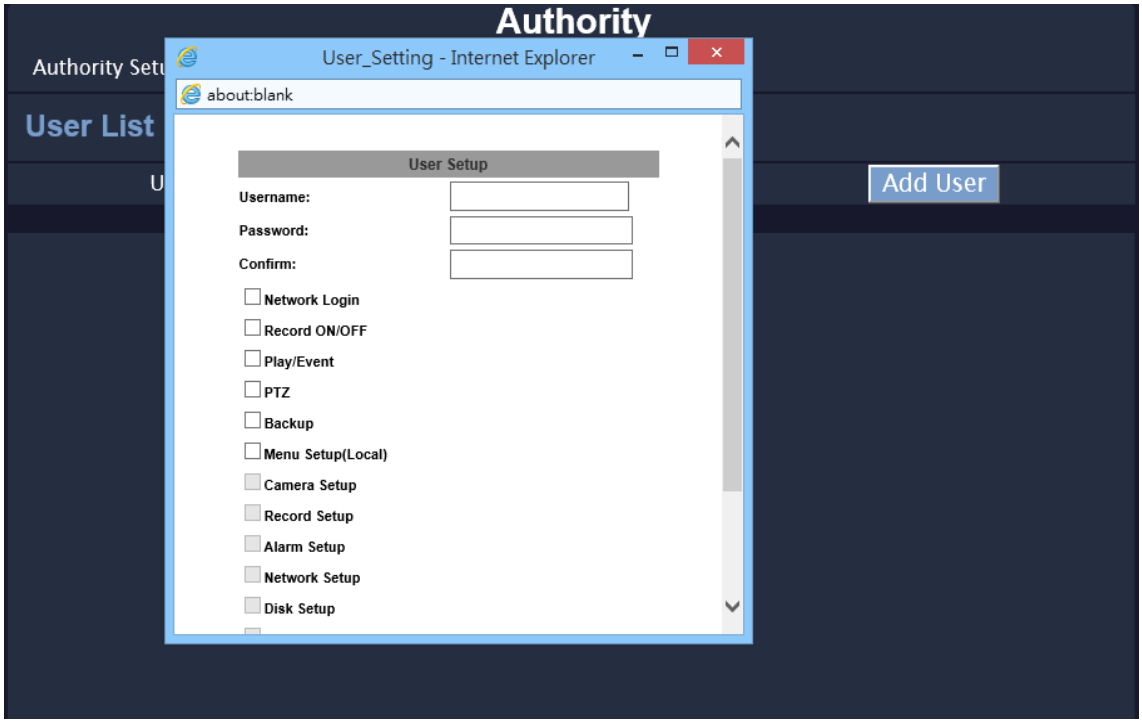
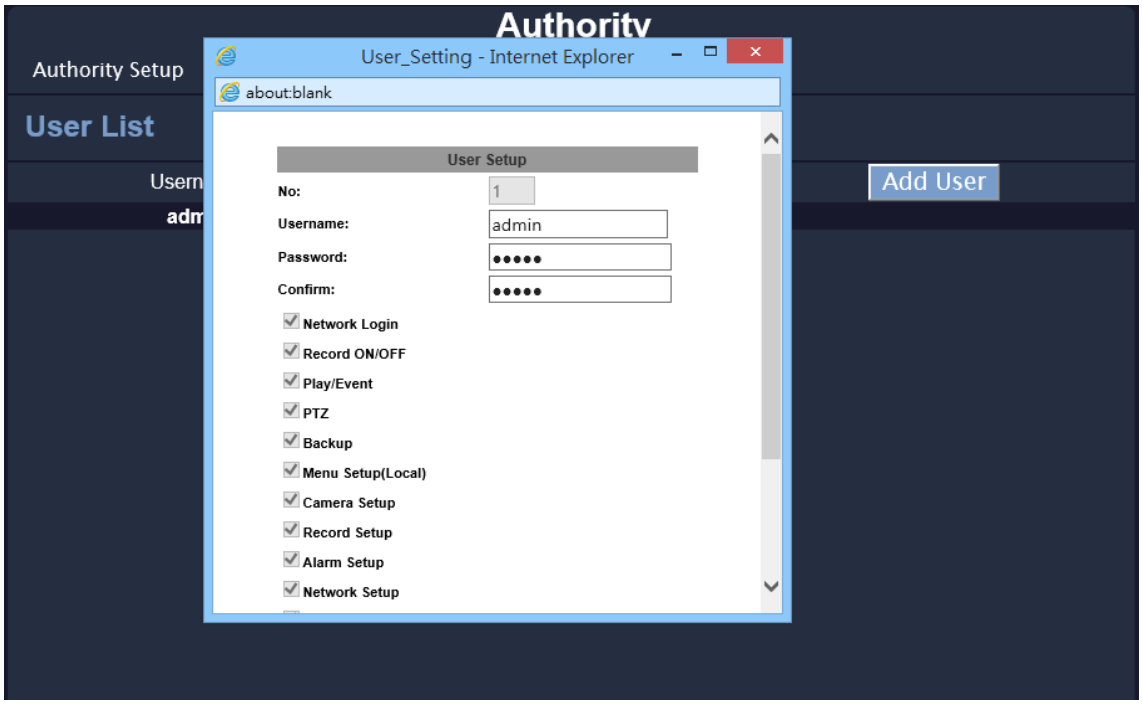


F-2. Add User

After clicking the Add User button, the setup page will be called-out as the following. The administrator can distribute the authority and the permission for the new user.



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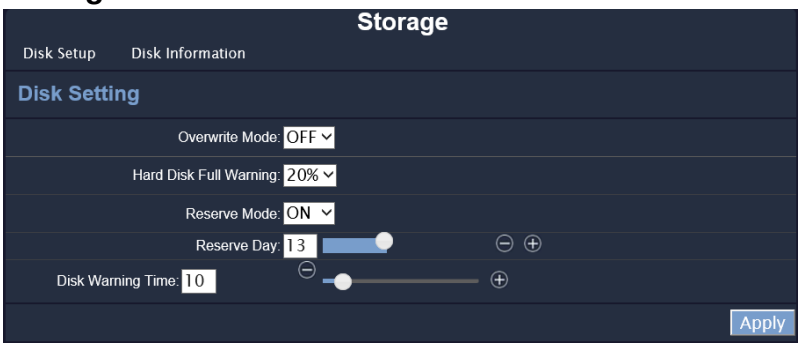
7. Storage



A. Overwrite Mode

Select “ON” for the oldest recording data to be overwritten by new recording data. Select “OFF” for the NVR to stop writing data into the HDD when it is full.

B. HDD Full Warning

Enable this option by setting Overwrite Mode to OFF, and click **+** or **-** to change values from 25% to 5%. When HDD space is less than setting ratio, the buzzer will react.

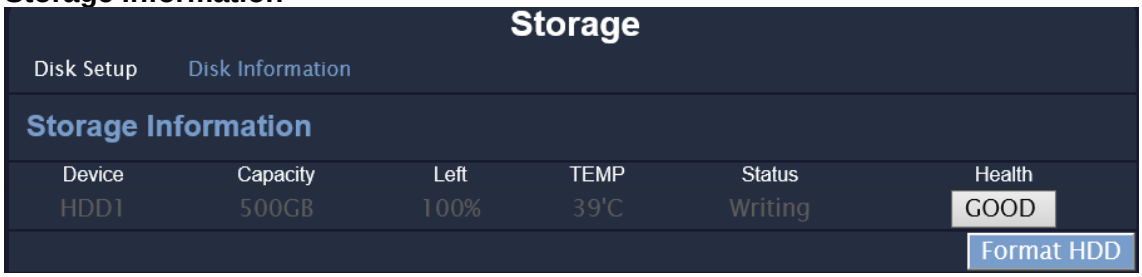
C. Reserve Mode

Click **+** or **-** to setup the active time between 1~30 days.

D. Disk Warning Time

Set up the interval for displaying a warning message regarding the health condition of the storage device to the user from 1~60 minutes.

E. Storage Information



The information of storage device will be displayed on this page. Your **Hard Disk Device** needs to be replaced if its health condition is not displayed as GOOD.

Clicking on **GOOD** icon to check its status.

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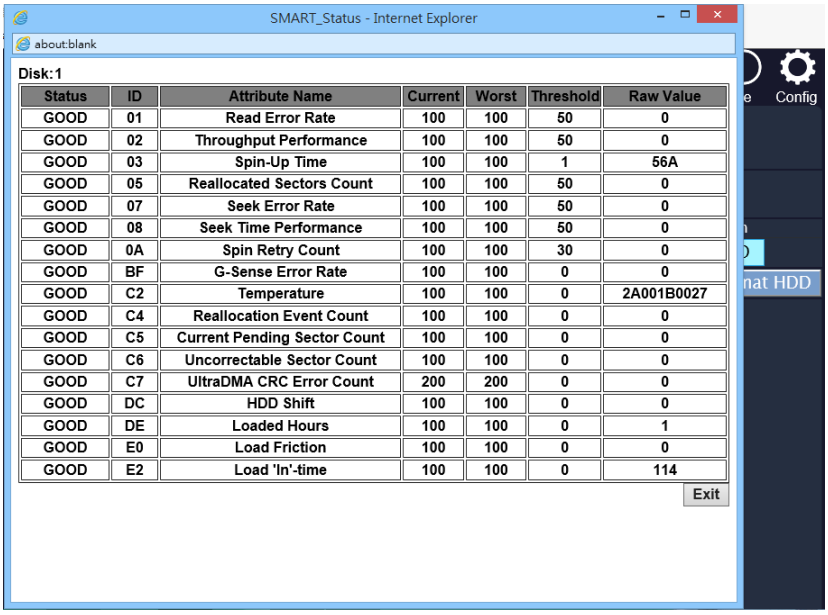


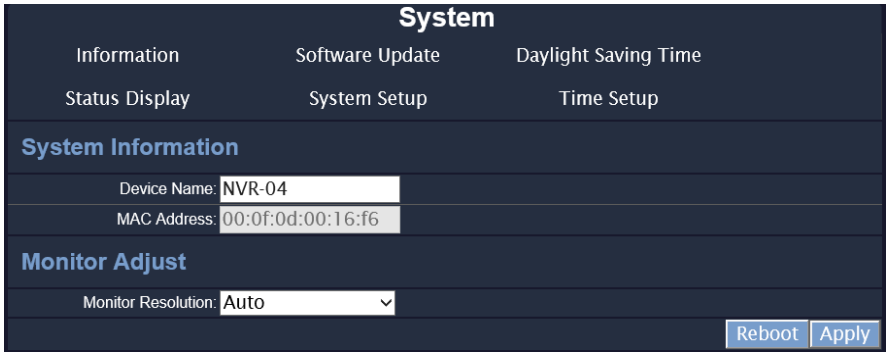
Status	ID	Attribute Name	Current	Worst	Threshold	Raw Value
GOOD	01	Read Error Rate	100	100	50	0
GOOD	02	Throughput Performance	100	100	50	0
GOOD	03	Spin-Up Time	100	100	1	56A
GOOD	05	Reallocated Sectors Count	100	100	50	0
GOOD	07	Seek Error Rate	100	100	50	0
GOOD	08	Seek Time Performance	100	100	50	0
GOOD	0A	Spin Retry Count	100	100	30	0
GOOD	BF	G-Sense Error Rate	100	100	0	0
GOOD	C2	Temperature	100	100	0	2A001B0027
GOOD	C4	Reallocation Event Count	100	100	0	0
GOOD	C5	Current Pending Sector Count	100	100	0	0
GOOD	C6	Uncorrectable Sector Count	100	100	0	0
GOOD	C7	UltraDMA CRC Error Count	200	200	0	0
GOOD	DC	HDD Shift	100	100	0	0
GOOD	DE	Loaded Hours	100	100	0	1
GOOD	E0	Load Friction	100	100	0	0
GOOD	E2	Load 'In'-time	100	100	0	114

F. Format HDD

Insert the user name and password while performing the HDD format function. Click Login to continue.

8. System

A. Information



A-1. Device Name

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Use the virtual keypad to insert the name of the NVR.

A-2. MAC Address

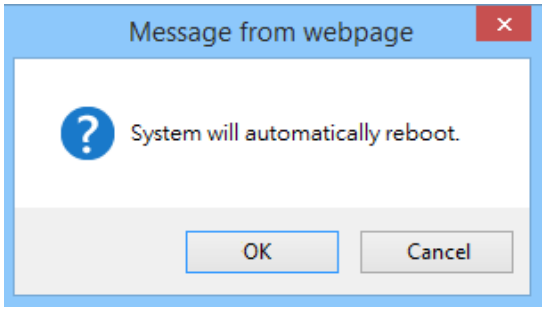
It is permanent for the NVR and cannot be revised.

A-3. Monitor Resolution

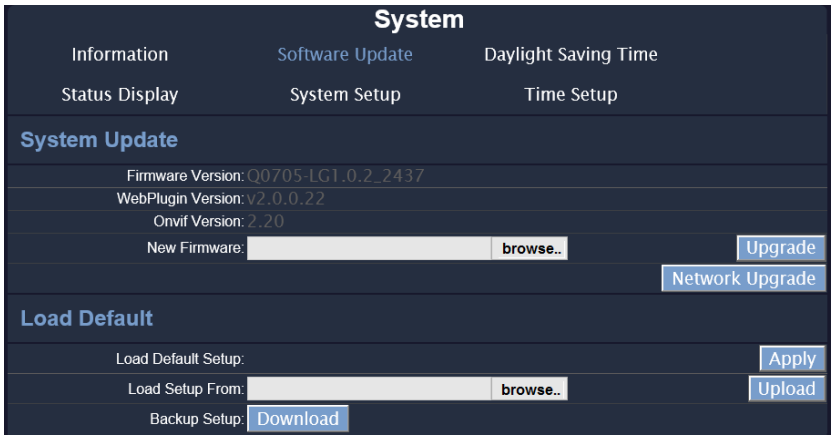
Press **+** or **-** to adjust the monitor resolution. Please check the frame rate what your LCD monitor supports before any adjustment. If you select a resolution not compatible with the LCD monitor, the system will automatically undo the recent changes.

A-4. Reboot

Click to reboot the NVR.



B. Software Update



B-1. Versions

A list of **Firmware Version**, **WebPlugin Version**, and **Onvif Version** for this NVR is displayed.

B-2. New Firmware

Click on the "**browse**" button to select the firmware file and then press "**Upgrade**" button to upgrade the firmware. Click **Network Upgrade** button to check whether the firmware version is the latest.

B-3. Load Default

Load Setup from Default

Click "**Apply**" to reset the machine and revert all setting back to default value.

Load Setup from

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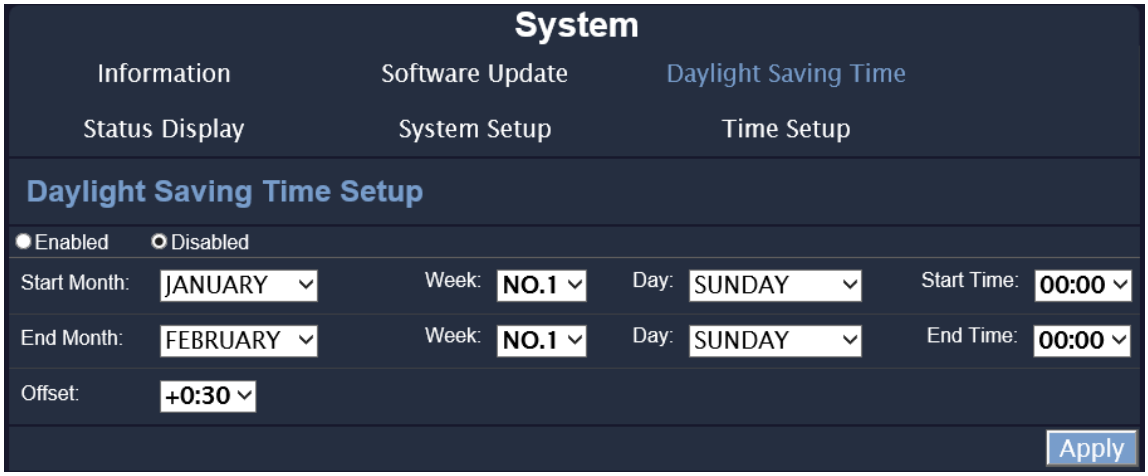
Click “**browse**” to choose a file. You can load setup from your computer if you ever clicked “**Download**” and saved the settings before.

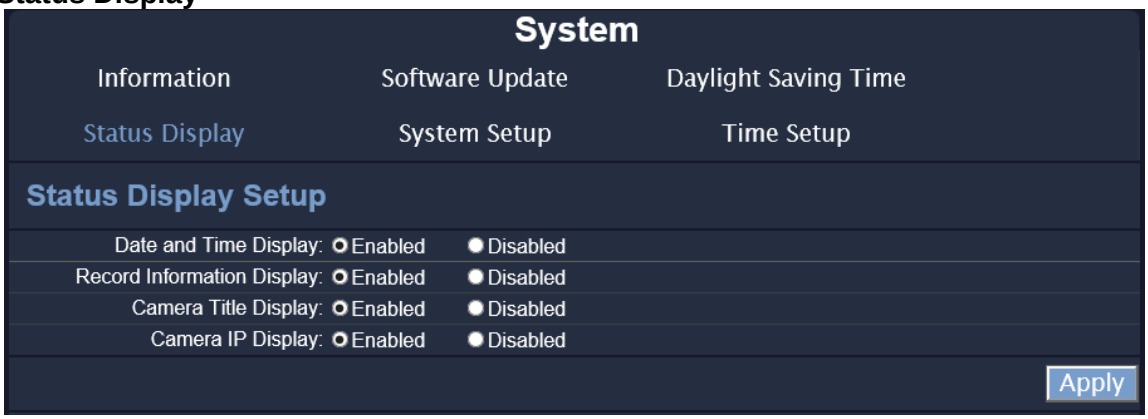
Backup Setup
Click “**Download**” to save a current setting file to PC. You can apply this file to other NVR so that the setting will be copied to other NVR.

C. Daylight Saving Time



Edit the start and end daylight saving time. During daylight saving, time will be 1 hour faster.

D. Status Display



Select the items that will be displayed on local NVR.

E. System Setup

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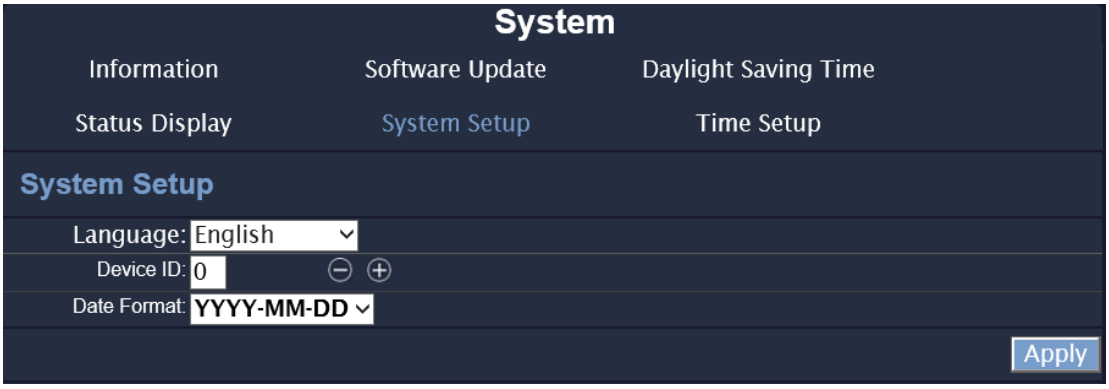


E-1. Language

Use the drop down list to change the NVR language.

E-2. Device ID

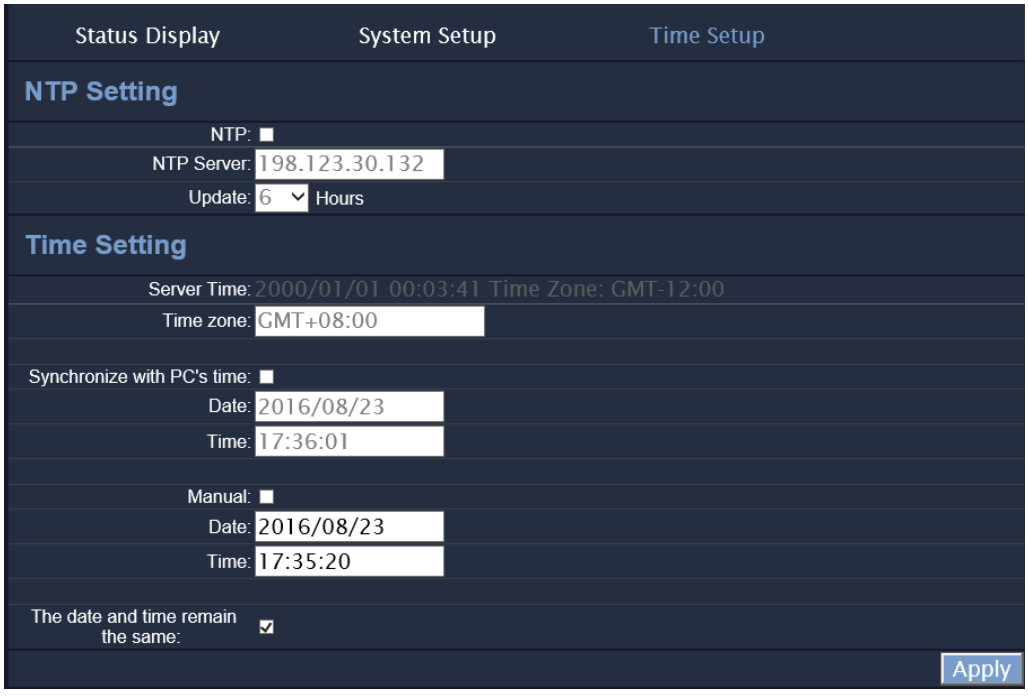
The ID is used for distinguishing NVRs with a remote controller or RS485. Enter a different ID when you are operating several NVRs at the same time.

E-3. Date Format

Select a format of date display.

F. Time Setup

Select between **NTP**, **Synchronize with PC's time**, **Manual**, **The date and time remain the same** for setting the server time.



F-1. NTP Setting

Tick the **NTP** checkbox to enable editing The NTP Server IP address which can only be modified on local NVR.

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F-2. Time Setting

The **Time zone** can only be modified on local NVR. Tick either **Synchronize with PC's time** or **Manual** checkbox to activate its time settings.

9. Player

Click the button to download **D6Viewer**, the NVR recording file player.

A. MAIN SCREEN SETTING (D6 Viewer)

D6Viewer.exe is used for playing the NVR backup video. It can be obtained via the Internet; or you can simply obtain it by performing USB backup and DVD-RW backup operation, because the software will be created within the USB device right away.

Open the D6Viewer. Using Overlay mode can improve the system resource performance.

B. HDD PLAY

Reading the NVR HDD from PC may not be possible since the NVR HDD is in Linux format, so you need "Ext2Fsd" to assign a drive letter to the HD. You can find it in the attached CD or download it from Internet.

Start the Ext2Fsd, and it will detects all the disks connected with your PC. Right-click on the NVR HDD and choose "Change Drive Letter".

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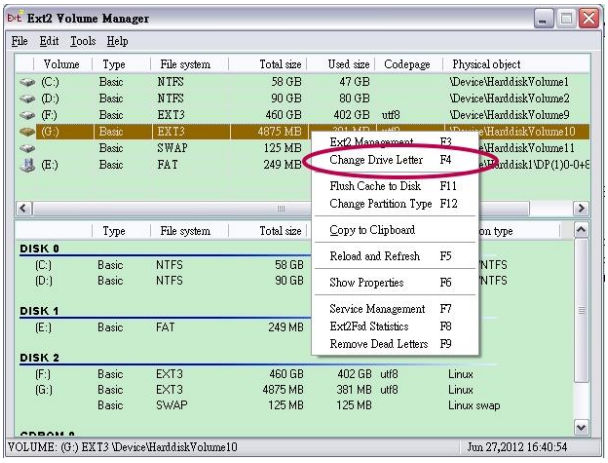
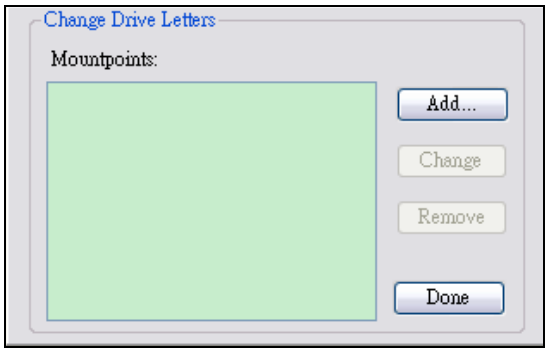
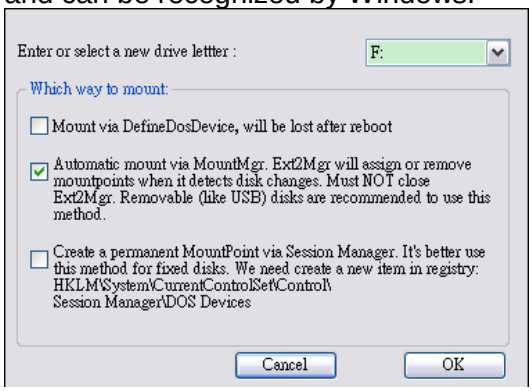


Click “Add”



Assign a letter to the HDD, then click “OK” so that the HDD get a drive letter and can be recognized by Windows.



Under **HDD Play** mode, select the NVR HDD to load the video files inside.

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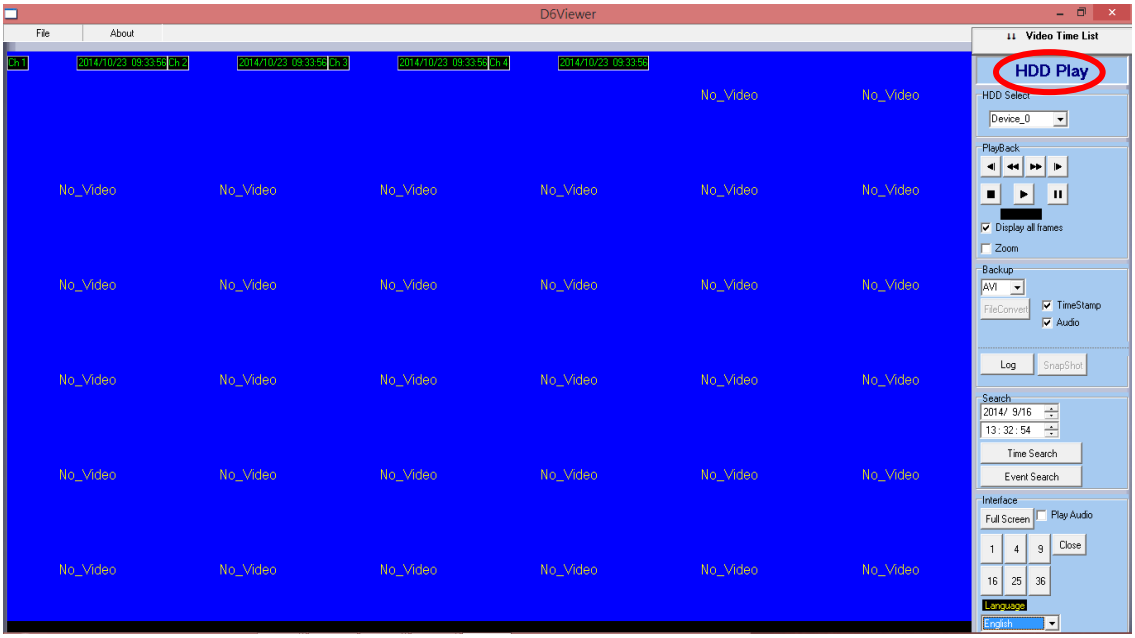
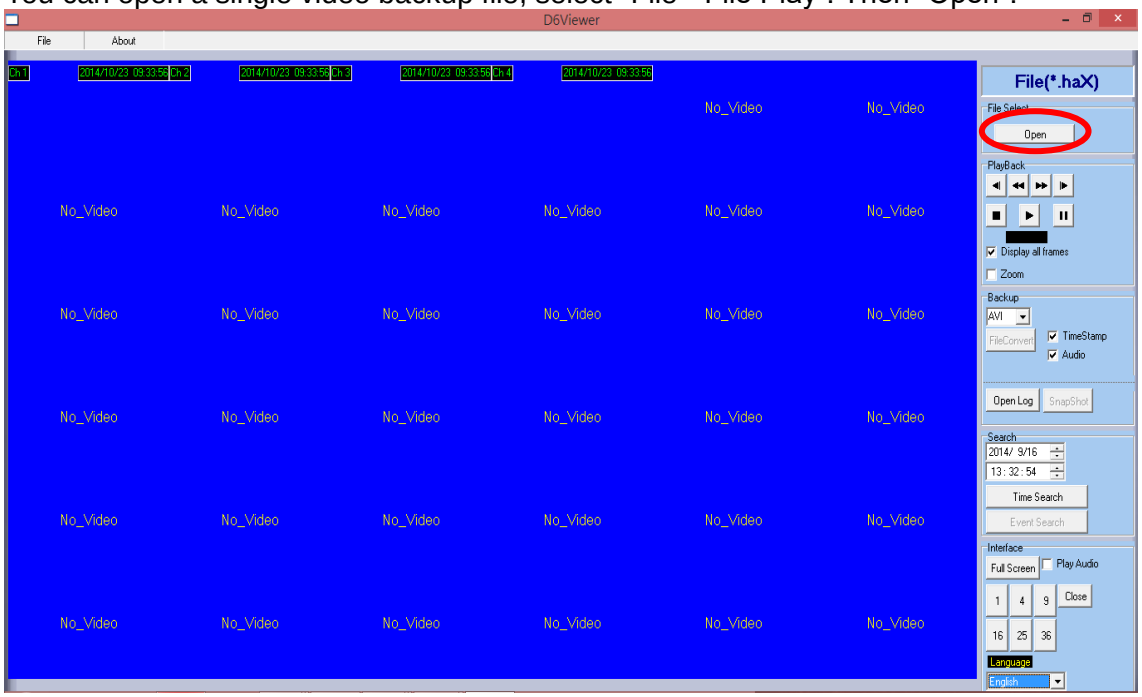


C. File Play

You can open a single video backup file, select "File->File Play". Then “Open".



Choose the path the .haX file reserved and pick the file to playback.

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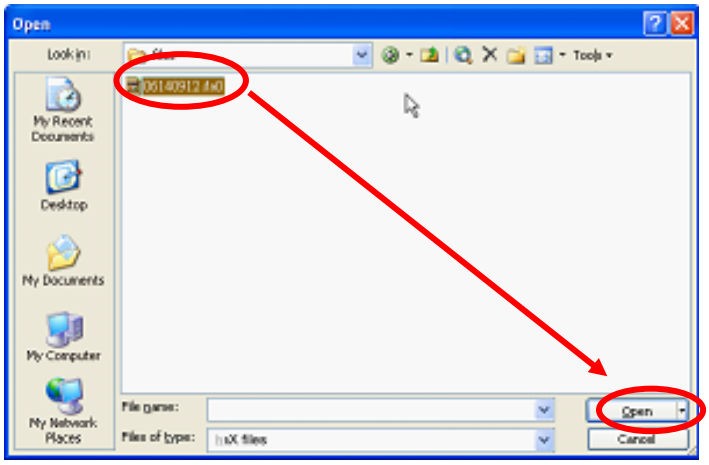
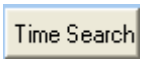
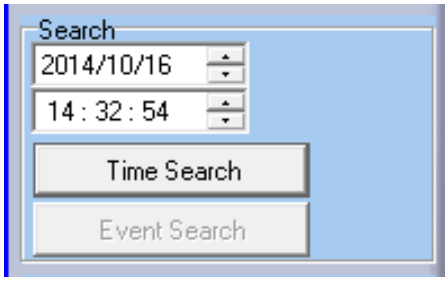


Press the play icon to play the video or pause picture.

D. PLAYBACK OPERATION

D-1. TIME SEARCH

Select the Date and Time and then click  to play the video.



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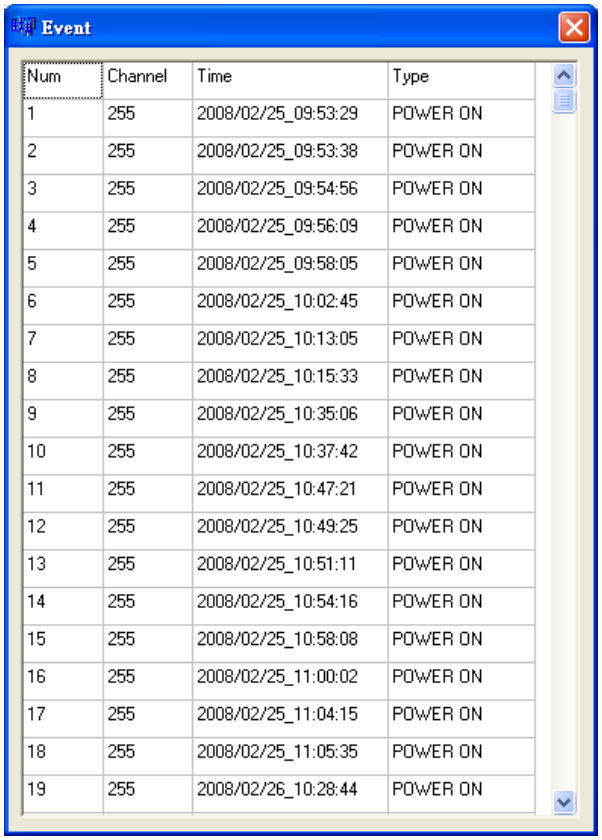
D-2. EVENT SEARCH

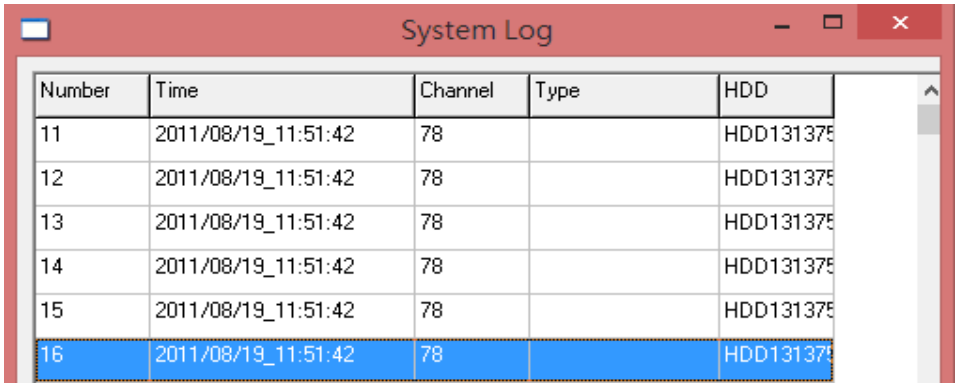
After pressing the Event Search button, it will display all the events which are saved within the NVR HDD (Shown in the following image).



Num	Channel	Time	Type
1	255	2008/02/25_09:53:29	POWER ON
2	255	2008/02/25_09:53:38	POWER ON
3	255	2008/02/25_09:54:56	POWER ON
4	255	2008/02/25_09:56:09	POWER ON
5	255	2008/02/25_09:58:05	POWER ON
6	255	2008/02/25_10:02:45	POWER ON
7	255	2008/02/25_10:13:05	POWER ON
8	255	2008/02/25_10:15:33	POWER ON
9	255	2008/02/25_10:35:06	POWER ON
10	255	2008/02/25_10:37:42	POWER ON
11	255	2008/02/25_10:47:21	POWER ON
12	255	2008/02/25_10:49:25	POWER ON
13	255	2008/02/25_10:51:11	POWER ON
14	255	2008/02/25_10:54:16	POWER ON
15	255	2008/02/25_10:58:08	POWER ON
16	255	2008/02/25_11:00:02	POWER ON
17	255	2008/02/25_11:04:15	POWER ON
18	255	2008/02/25_11:05:35	POWER ON
19	255	2008/02/26_10:28:44	POWER ON

E. LOG

Click Open Log to check the log records.



Number	Time	Channel	Type	HDD
11	2011/08/19_11:51:42	78		HDD131375
12	2011/08/19_11:51:42	78		HDD131375
13	2011/08/19_11:51:42	78		HDD131375
14	2011/08/19_11:51:42	78		HDD131375
15	2011/08/19_11:51:42	78		HDD131375
16	2011/08/19_11:51:42	78		HDD131375

F. ZOOM

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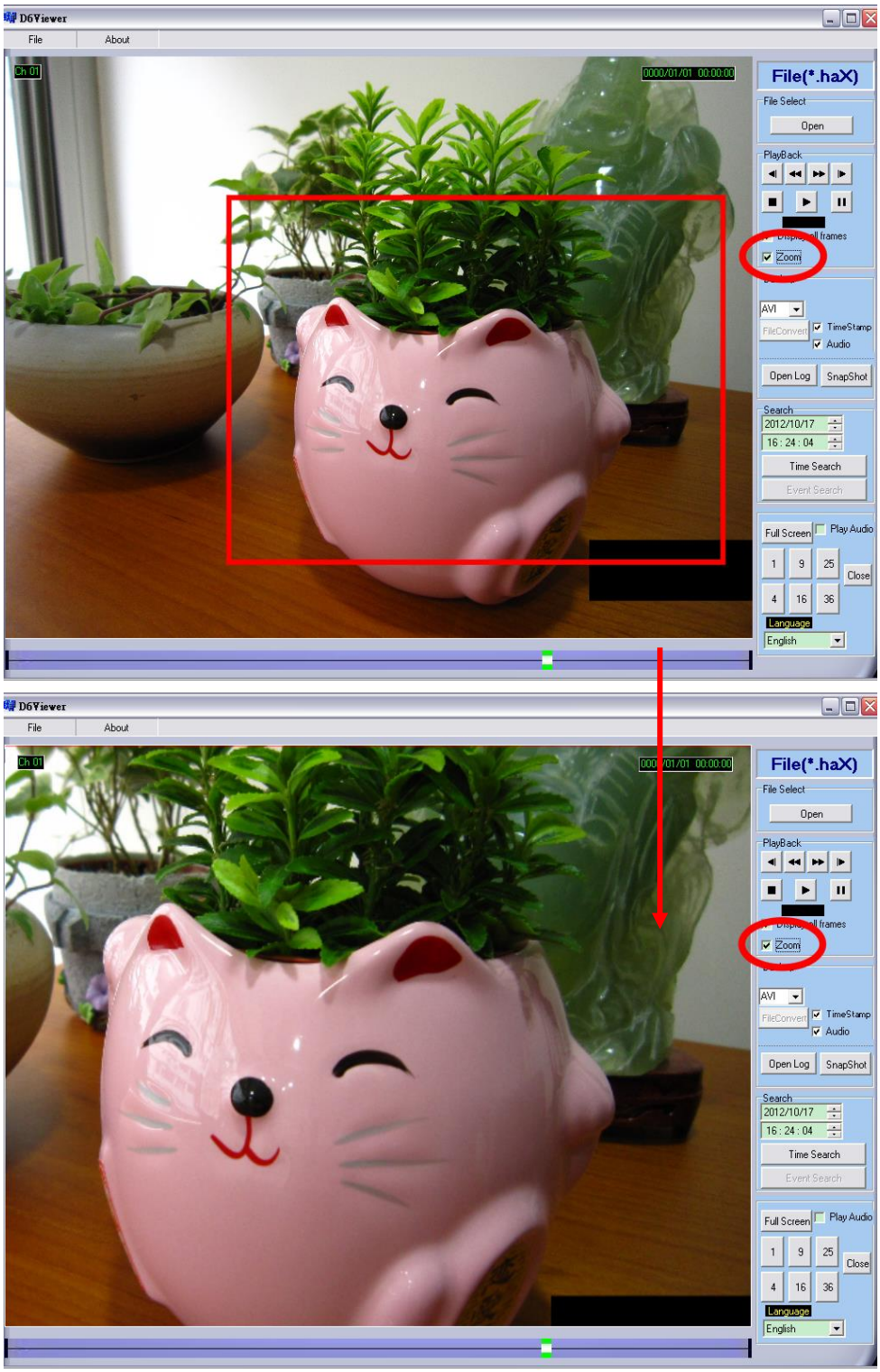
Tick the “Zoom” box and drag an area on the screen, then click the area to zoom in.



G. BACKUP FILE TO MKV OR AVI FORMAT

There are two types of video formats: MKV and AVI. With AVI file, you can choose to either include Time Stamp and Audio or not.

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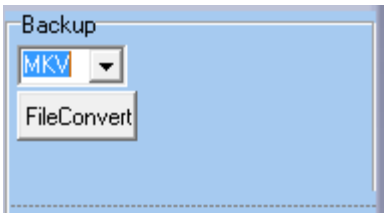
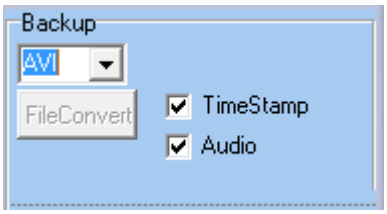
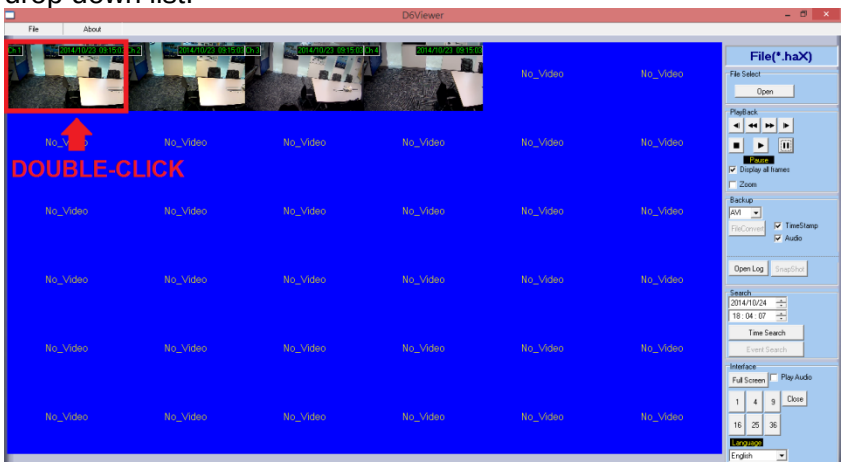
MKV



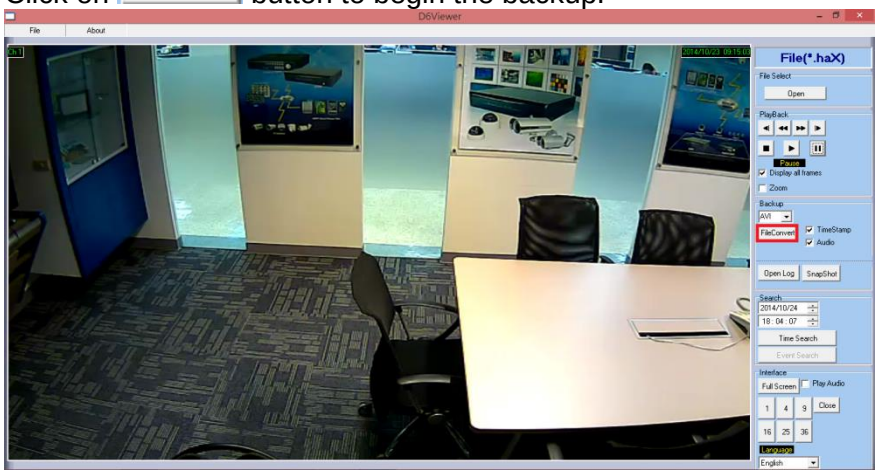
AVI



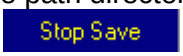
After double-clicking on one specific channel display image, the 'File Convert' button will be available. Select the type of video format you would like to convert to from the Backup drop down list.



Click on button to begin the backup.



A window will pop up. Enter a file name and edit the file path directory.

While the converting is in process, you may press the  button to pause at any time before it is completed.

10. Plugin

Click the button to download **Plugin** for running the NVR system on PC.

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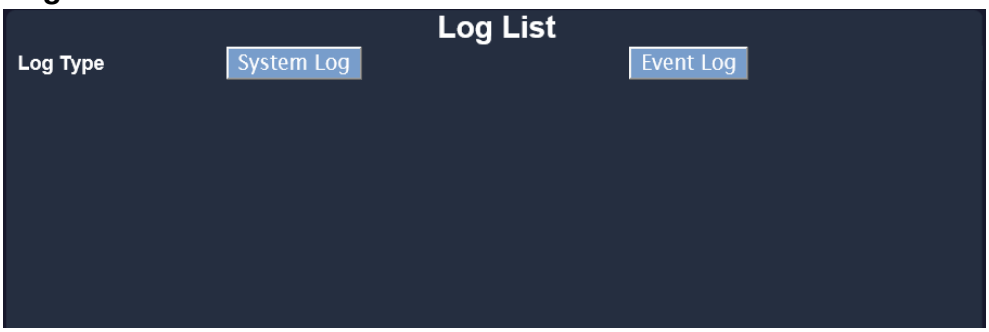
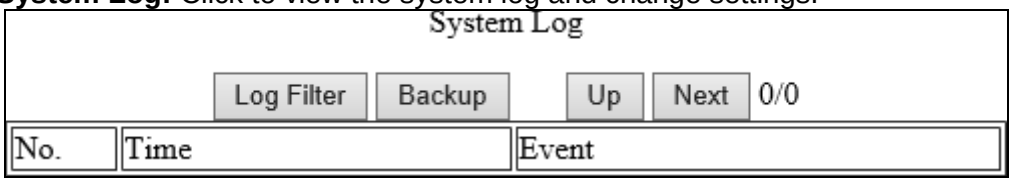
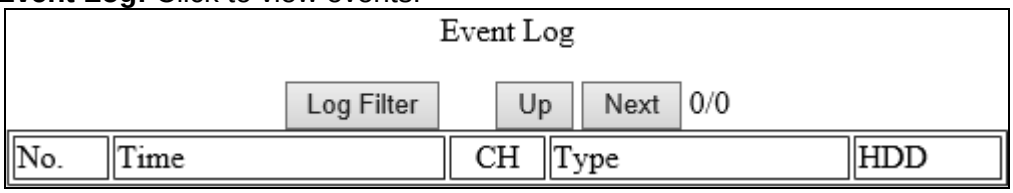
11. Log List



A. System Log: Click to view the system log and change settings.



B. Event Log: Click to view events.



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