Empowering Megapixel

M600 Series

M300 Series

E Series

M200 Series

C Series

M100 Series

Genius Vision Digital

The next generation of HD IP Surveillance System

GVD HD NVR
Basic Operation Guide
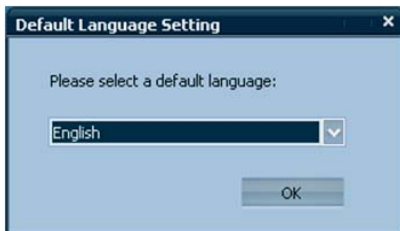
▶

Table of Content

Initialization Wizard

Language Selection

Language selection panel will only show up for the first time start-up of
HD NVR Manager. But user can change the language setting in Configuration Mode.

1. Double click the HD NVR Manager icon on Desktop.

2. Select the desired language from the drop-down menu and click OK.

Default Language Setting

Please select a default language:

English

OK

3. Click Yes to confirm.

Default Language Setting

Are you sure you want to use English as the default language?

Yes   No

Initialization Wizard

Start-up Page

This page is simply to ask user to check their environment setup like network wiring, camera…etc.

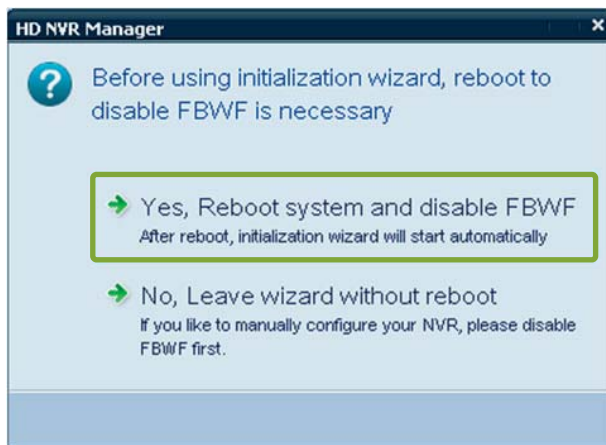Make sure the environment has been setup correctly and click Next to continue.

Initialization Wizard

Start-up Page

If the system's FBWF is in enable state, user will see the dialog below.
Click Yes and the system will continue the wizard after the reboot.

HD NVR Name

This page is to setup name of the HD NVR.

1. Input a desirable name of the HD NVR.
2. Click Next to continue.

Initialization Wizard

Setup Admin Password

1. Input a desirable password for the Admin account.

2. Input the password again to confirm.

3. Click Next to continue.
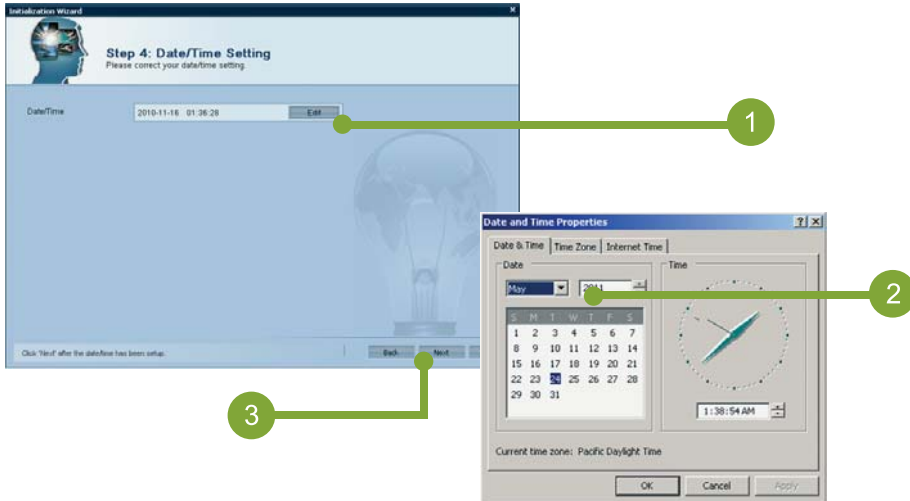
Initialization Wizard
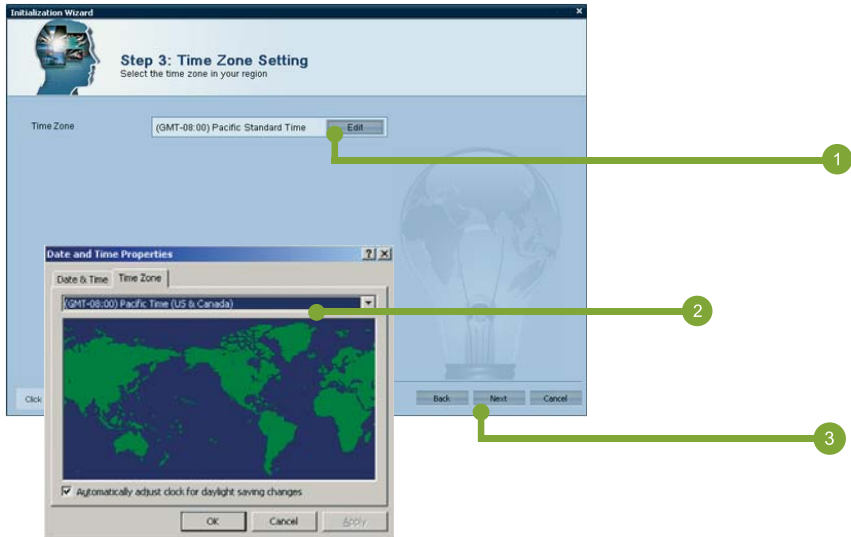
Time Zone Setting

1. Click Edit to open 'Date and Time Properties' panel.
2. Select the correct time zone from the drop-down menu and click OK to confirm.
3. Click Next to continue.

Initialization Wizard

Date/Time Setting

1. Click Edit to open 'Date and Time Properties' panel.

2. Select the correct date/time and click OK to confirm.

3. Click Next to continue.

Network Setting

① Select 'Use IP address as below' and input IP Address, Subnet Mask, Default Router of the HD NVR.

② Click Next to continue.

# Initialization Wizard

Network Setting

HD NVR Manager

? The NVR service must restart to sync IP and Date Time information.
Are you certain to proceed?

Yes   No

3
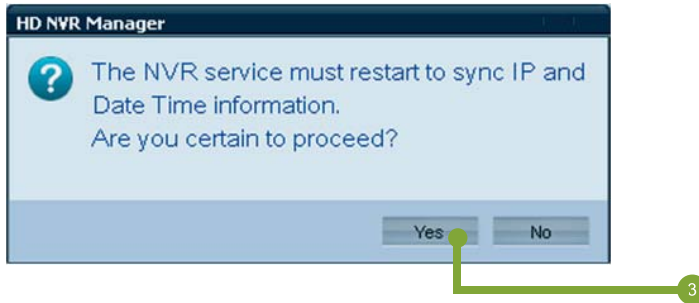
3 The system needs to be restarted for the changes to take effect, click Yes to proceed.

4 After the system has come back from the restart, click Next again to continue.

Initialization Wizard

Camera Vendor Selection
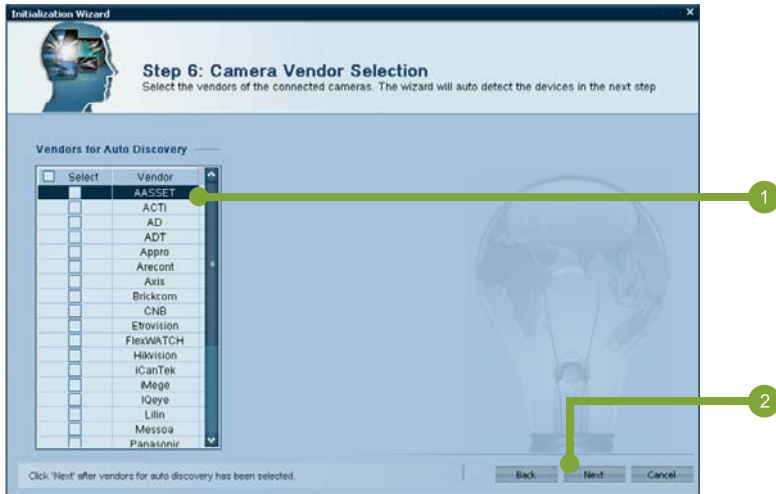
1. Check the vendors of the cameras that will be added to the system.

2. Click Next to continue.

NOTE: The system will use the default username & password of vendors to add the cameras.

Initialization Wizard

Import Camera

The cameras of the vendors selected in the previous step will be listed in a table as shown below. User can also add more cameras manually by clicking 'Add Manually' button.

① Click 'Rescan' button if the camera that user intend to add is not in the list.

② Click 'Add Manually' if user would like to add more cameras.

Import Camera

3 Input the information of the camera and click OK to add it.

4 Check the checkboxes of the cameras intend to import.

5 After all cameras were added, click Next to continue.

NOTE: The system will use the default username & password of vendors to add the cameras.

Initialization Wizard

Camera Recording

① Check the checkboxes of the cameras that want to be recorded.

② Click Next to continue.

Storage Automation Declaration

Please read the information in this page carefully. All the connected hard disks and external USB storage will be formatted if user chooses 'Yes' to create the storage system automatically. If user is not sure about this, please choose 'No' to continue and create the storage system afterward.

① Choose the desired option.

② Click Next to continue.

Initialization Wizard

System Initialization – Create Storage Automatically

If user chose the Yes option in the previous step, please follow the steps below to finish the system initialization.

1 Click Execute to start the initialization.

System Initialization – Create Storage Automatically

2 Click OK to confirm.

HD NVR Manager

ℹ HD NVR system initialization finished!

OK ────── 2

3 Click Finish to quit the wizard.

4 Click OK to confirm and reboot the system.

HD NVR Manager

ℹ The system will reboot NOW to enable FBWF protection again.

OK ────── 4
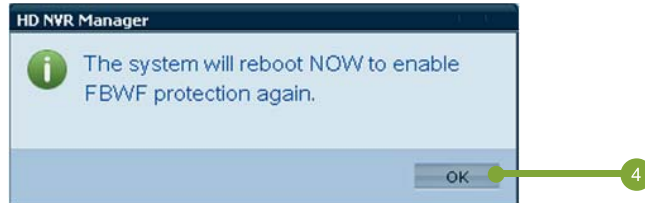
Initialization Wizard

System Initialization – Create Storage Manually

If user chose the No option in the previous step, please follow the steps below to finish the system initialization.
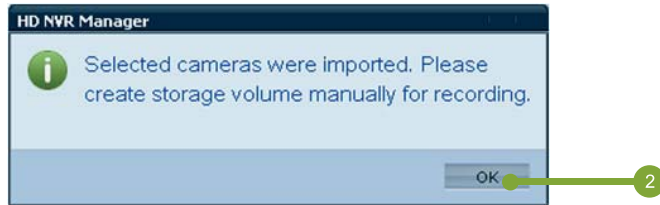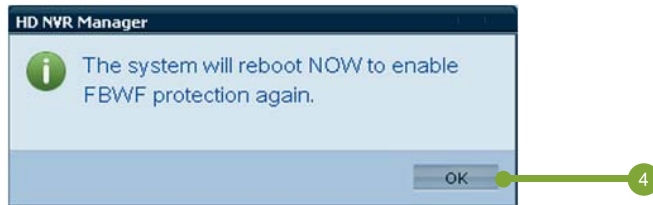

1 Click Execute to start the initialization.

System Initialization – Create Storage Manually

2. Click OK to confirm.

HD NVR Manager

ℹ Selected cameras were imported. Please create storage volume manually for recording.

OK ──── 2

3. Click Finish to quit the wizard.

4. Click OK to confirm and reboot the system.

HD NVR Manager

ℹ The system will reboot NOW to enable FBWF protection again.

OK ──── 4

General Operation

Logon the System

1. Find the system icon from the desktop and double click it.
2. When the **Logon** dialog is displayed, Input the user name. (The default username is **Admin**.)
3. Input the password. (The default password is **6001**.)
4. Click Sign in. If the username and password are correct, the system starts immediately.
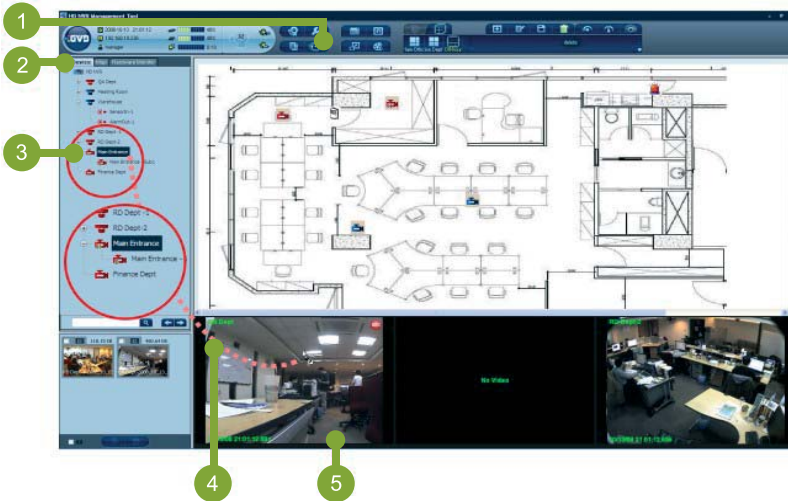
General Operation

Brief of Layout
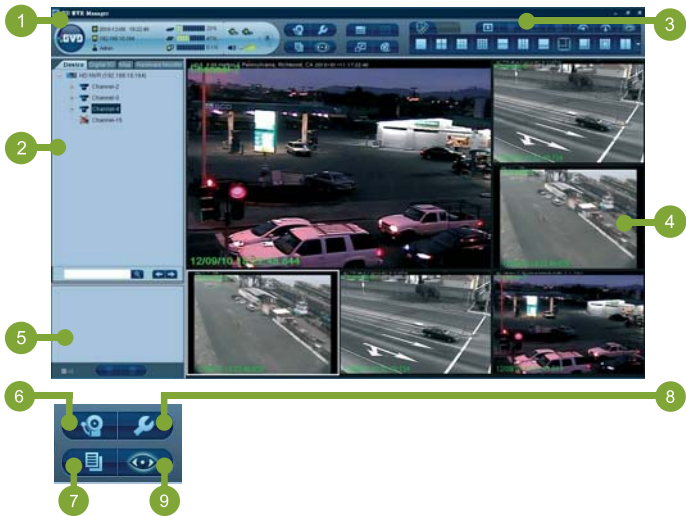
|	
1 Sys Info	**6** Alarm Mode
2 Tree Panel	**7** Event Mode
3 Function Buttons	**8** Configuration Mode
4 Video Display Panel	**9** Display Mode
5 Spooler Panel	

General Operation

Play Live Video

1. Click Display Mode button
2. Click the Device tab in the camera tree panel.
3. Select the preferred channel icon from the camera tree.
4. Drag the preferred channel icon and drop it in a viewer. (See **Appendix** for channel icon status.)
5. The live video will be played in the selected viewer immediately.

Play Recorded Video
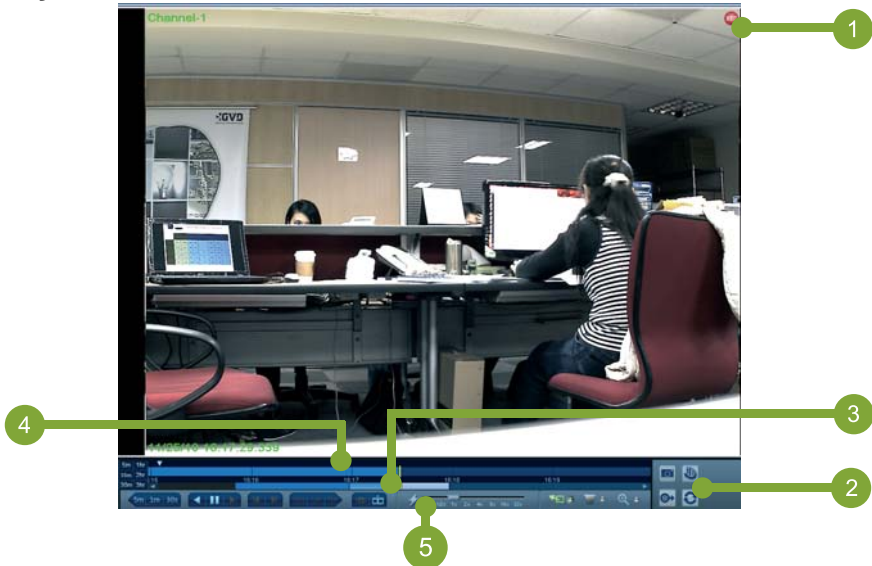
1. Find a viewer with a recording icon on it. Click the viewer to set active.

2. Press [Space] key to display **Time Slider**.

3. Find the desired playing time from the time line.

4. Double click the time index, and the video starts to playback.

5. Move the speed slider to change the playing speed.

General Operation

PTZ Operation - Pan & Tilt

Before Panning & Tilting

Panning & Tilting

1 Press [Space] key to display the **Time Slider** if the **Time Slider** is inactive. When the **Time Slider** is displayed, click the **PTZ** Mode button.

2 Move the mouse to the center of the viewer. Hold the left key of the mouse and move the mouse to the preferred direction.

3 As the mouse moves, a red arrow line is displayed. Longer the line is, faster the PTZ camera pans and tilts.

*NOTE: Use hotkey "O" to quickly enable PTZ mode.

PTZ Operation - Zoom In/Out

Zoom out   Zoom in

1 Press [Space] key to display the **Time Slider** if the **Time Slider** is inactive. When the **Time Slider** is displayed, click the **Digital Zoom** Mode button.

2 Move the mouse to the center of the viewer. Roll down the wheel of the mouse to zoom out. Roll up the wheel of the mouse to zoom in. Keep rolling down/up until the image has reached the best ratio.

*NOTE: Use hotkey "Z" to quickly enable PTZ mode.

Viewer

Brief of Viewer

1 Indicators	**4** Timeline
2 Channel Name	**5** Channel image
3 Timestamp	

Tip: The indicators mean the following status:

- REC — channel is recording
- 🏃 — motion detected
- 📷/🔍 PTZ mode / Digital Zoom Mode

Manual Recording
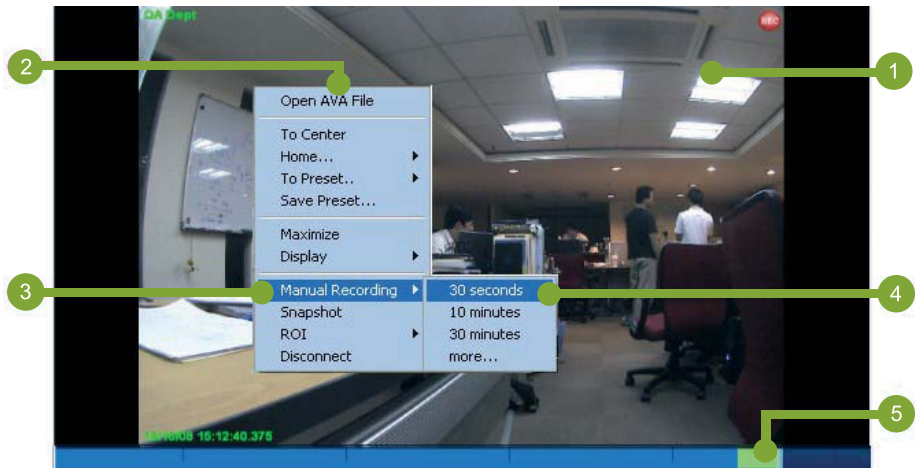
1 Click the preferred viewer and set the viewer active.

2 Right click the mouse to display the pop-up menu.

3 Move the mouse to Manual Recording, and a sub menu is displayed.

4 Select the preferred recording item from the sub menu.

5 The color on the time bar changes to light green indicates it's a manual recording event.

Viewer

Maximize Viewer
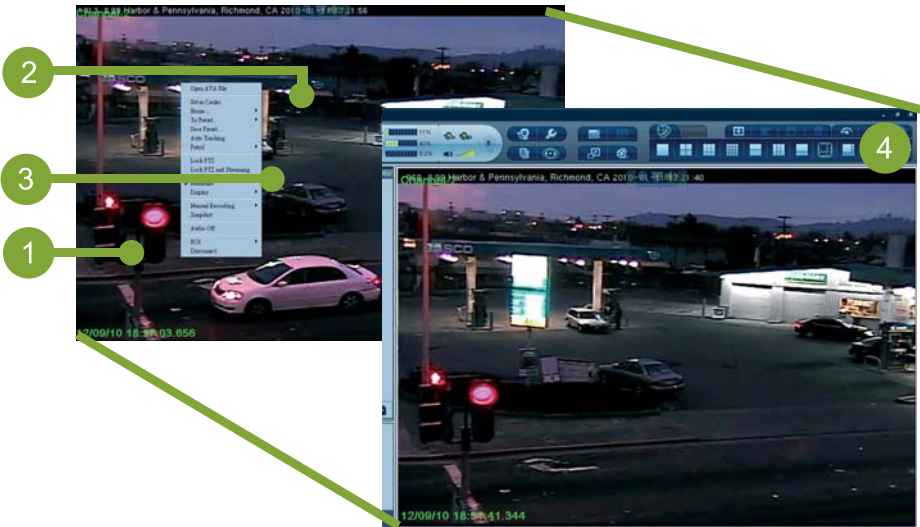
1 Click the desired viewer to set it active (with a white frame outside.)

2 Right click the mouse and a pop-up menu is displayed.

3 Click **Maximize** from the pop-up menu.

4 The viewer size has been maximized.

*INFO: Simply double click on any viewer can maximize the size of the viewer as well

Snapshot Image

① Set the selected viewer active first.

② When the viewer is playing, right click the mouse, and a pop-up menu is displayed.

③ Click **Snapshot** from the pop-up menu.

④ The image will be captured and saved in the spooler.

*INFO: Use hotkey "F11" or "e" to quickly take a snapshot

Pattern

Patterns - Template Operation

1. Click **Layout Selection** tab from the pattern panel.

2. Click the preferred layout from the layout templates and the new layout is set.

3. Drag an active channel from the camera tree and drop it on a preferred viewer.

4. The selected viewer shows live video immediately.

5. Repeat Step 3 for rest of the viewers.

6. Click **Add Layout** button to add the designed pattern to **Custom Layout** area.

7. Input a name for the designed pattern and click OK.

Patterns

Customized Pattern & Tour

1. Click **Custom Layout** tab from the pattern panel and click the desired save pattern.

2. The video display panel recalls the saved pattern and display immediately.

3. Click **Tour** button to run the tour function.

   *NOTE: Tour function will only be enabled when there are more than 2 saved patterns.

Playback Operation

Time Slider - Introduction

Use the **Time Slider** to operate recorded videos. Click the **Video Control Panel** button (or press [Space] key to display the **time slider** if it was hidden.

Video Control Panel button

Video Control Panel includes the following panels:

① Information panel
② Timeline
③ Playback Buttons
④ Speed Control Slider

⑤ Mode buttons
⑥ Function buttons

Timeline in Time Slider

Timeline is a time axis of video playing for the active viewer, including:
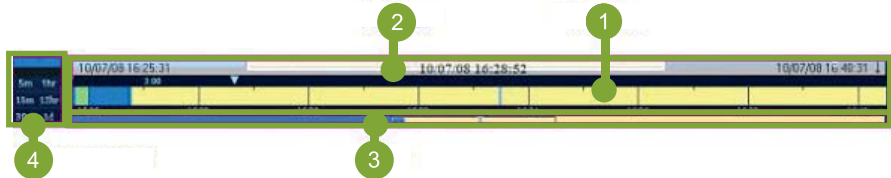
1. Upper Timeline   - displays the playing position and status in the time axis

2. Nail bar   - displays the time that mouse cursor points to

3. Lower Timeline   - displays the overview of the recording video. Move the transparent bar on the lower timeline to change the range of upper timeline.

4. Time range buttons - used to change the timeline scale.

Playback Operation

Time Slider - Buttons

The following buttons are used for playing back the recorded images.
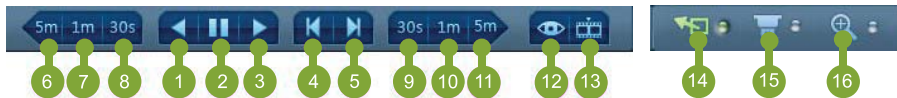
1	Play video backward	9	Move the playing index to next 30 seconds
2	Pause video	10	Move the playing index to next 1 minute
3	Play video forward	11	Move the playing index to next 5 minutes
4	Move to previous frame	12	Play video on live
5	Move to next frame	13	Move the playing index to the specific time
6	Move the playing index to 5 minutes ago	14	Normal mode
7	Move the playing index to 1 minute ago	15	PTZ mode
8	Move the playing index to 30 seconds ago	16	Digital Zoom Mode

Video Export
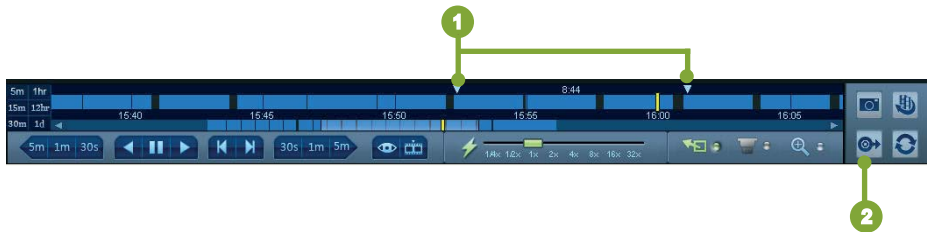
1 Move the push-pin in the nail bar to set the export range of the video clip.
(If two push-pins are stacked, drag either of them and drop it elsewhere to
separate them.)

2 Click **Export** button. The video will be temporarily saved in the spooler.

Spooler

Spooler - View an Exported Image

1. Double click an video clip item in Spooler.

2. The Video Player is triggered and automatically plays the selected item. Operate the **Time Slider** to play the clip.

Alarm Mode - Introduction

The alarm mode is for viewing the alarm and composed of the followings:

1 Search Condition Panel
2 Spooler
3 Viewer
4 Alarm list

Alarm

Alarm Mode - Deal with an Alarm

1 Double click pending alarm from the alarm list

> **TIP: There are three alarm types:**
>
> **Active** - indicates the alarm is still happening.
>
> **Pending** - indicates the alarm has been triggered but yet being acknowledged.
>
> **Complete** - indicates the alarm has been finished and acknowledged.

Alarm Mode - Deal with an Alarm (Cont'd)

Alarm Details

Alarm Information:

Attribute	Value
ID	10254
HD NVR	127.0.0.1
Alarm Status	Pending
Trigger Time	2009-06-06 14:20:15
Priority	5
Name	ACTI 4301 motion
Completed Time	2009-04-13 12:19:57
Operator	admin

Clip(s) info:

Channel Name	Start Time	End Time

Descriptions:

motion detection

Instructions:

test

Comment:

Call the security.

Previous | Next | Refresh | Acknowledge | Close

② When **Alarm Details** dialog is displayed. Put comments in the **Comment** column

③ Click 'Acknowledge' button to acknowledge the alarm and the panel displays the details of next alarm.

④ Click **Close** to exit.

Search

Search - Channel Search

Channel Search function is used to find the specific channel from massive channels.
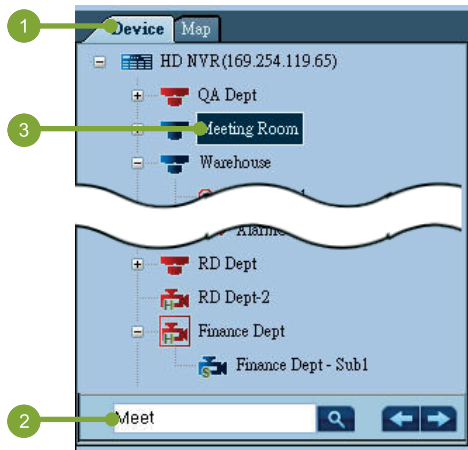
1 Click Device tab from the tree panel.

2 Input the name of the camera you wish to find. (either full name or partial name) and click 🔍 .

3 When the channel is found, it will be highlighted in the tree panel.

Video Search (Precise Search)

Video search is used to find the specific video which user interested. There are two searching ways - **precise search** and **fuzzy search**.

Suppose the playing time of the specific video is known, use the precise search.

1️⃣ If the Time Slider is inactive, activate the Time Slider. Click **Goto** button from the **Time Slider**.

2️⃣ When the Go To dialog is displayed, set the date and time in the Go to column.

3️⃣ Click **OK** to display video data of the given data and time.

Search

Search - Video Search (Fuzzy Search)

Suppose the desired playing index is in a specific date and uncertain time. Use the Fuzzy search to find the rough playing range.

1. If the **Time Slider** is inactive, activate the Time Slider. Move the slider in the lower timeline until the target playing range is displayed.

2. Double click the playing index to play the video. If the time span is narrow, use the time range button to expand.

Search - Alarm Search

Alarm search is used to find the specific alarm.
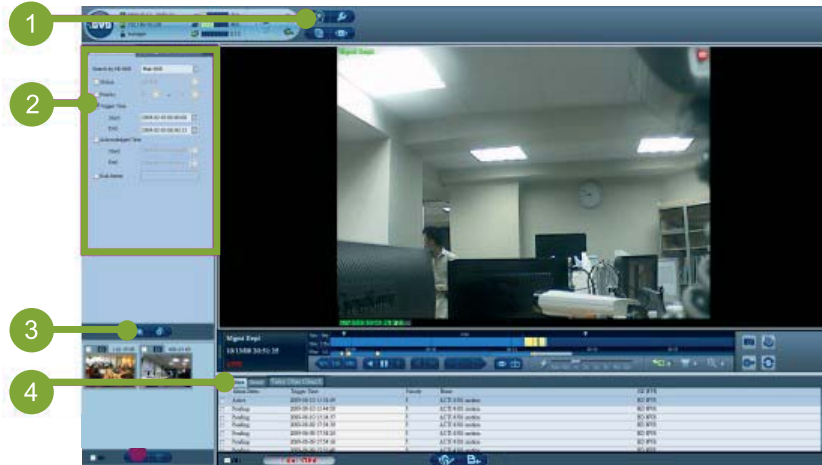
1. Click **Alarm Mode** button.

2. Click **Alarm Search** tab and set the searching conditions in the search condition panel.

3. Click **Search** button.

4. All alarms that match the searching conditions will be listed in the alarm list of **Search** tab.

Appendix

FAQ

► **How to playback the recorded video ?**

1 Please click the "Video Control Panel" 🎥 button, the "timeslider" will show on the bottom of screen.

2 Select a viewer of channel.

3 Click the "Go to..." button 🔲 , modify the date and time to locate the playback section or just double click on the time bar of timeslider, the viewer will start to playback.

4 Click the "Play Backward" ◄ or "Play Forward" ► button to play the video backward or forward.

► **How to disable the blinking red alarm frames on viewers?**

1 Click the "On-Screen Display" 🔲 button, the Display Option window will show on screen.

2 Uncheck the "Alarm Frame" checkbox and click "Ok" to dismiss the alarm frame.

Appendix

FAQ

► How to create a new pattern?

1 Click the "Layout Selection" 🗒 button and select a layout from the pattern list.

2 Drag and drop the channels from device list to viewer.

3 Click the "Add Layout" 🔲 Button to add the pattern into custom layout.

Appendix

Channel Icon Status Table

	Generic D1 Channel	High Definition Channel	Sub Channel	PTZ D1 Channel	180-degree 1P Dome	360-degree 1P Dome
Connected						
In Recording						
Video Lost						
In Recording & Alarm						
Video Lost & Alarm						

	Digital Input Point	Digital Output Point
Active		
Active & Alarm		
Offline		
Inactive		
Inactive & Alarm		