Central Management System (CMS)

USER MANUAL

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1. OVERVIEW

Video viewer, the free Central Management System (CMS) software, offers a powerful and integrated solution to manage and monitor systematically; each CMS server can manage up to 16 devices simultaneously.

Besides, the friendly graphical interface for the advanced management, intelligent motion detection, flexible scheduled recording and quick event search makes this CMS software excellent for every security demand.

1.1 Product Features

- Allows multiplex operations (live view, record, playback, backup, and network) equipped with intelligent motion detection function

- Pre-and post-event recording to capture valid evidence

- Full record log and graphical design for quick event search

- PTZ camera control

1.2 Before Using the Software

Before using Video Viewer, please make sure:

1) You have installed the software from the supplied CD or the Internet, and its version is 0119 or later.

2) You have configured the network settings on your MAC, and the network connection works properly.

   ■ To know how to install this software on your MAC, please refer to "2.1 Install the Software" at page 2

   ■ To know how to use this software, please refer to "3. CONTROL PANEL " at page 4
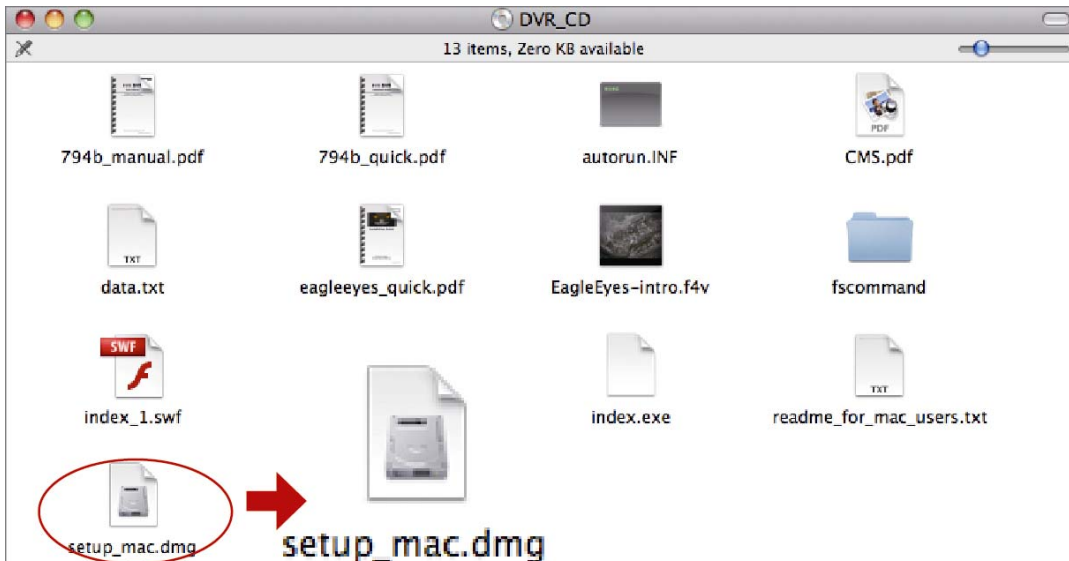
2. INSTALLATION

2.1 Install the Software

2.1.1 Download from the supplied CD

Step 1: Place the supplied CD into your CD-ROM or DVD-ROM drive and you will see CD/ DVD icon (circled in red in the picture below) shown on the desktop. Click on the icon to view the disk content.

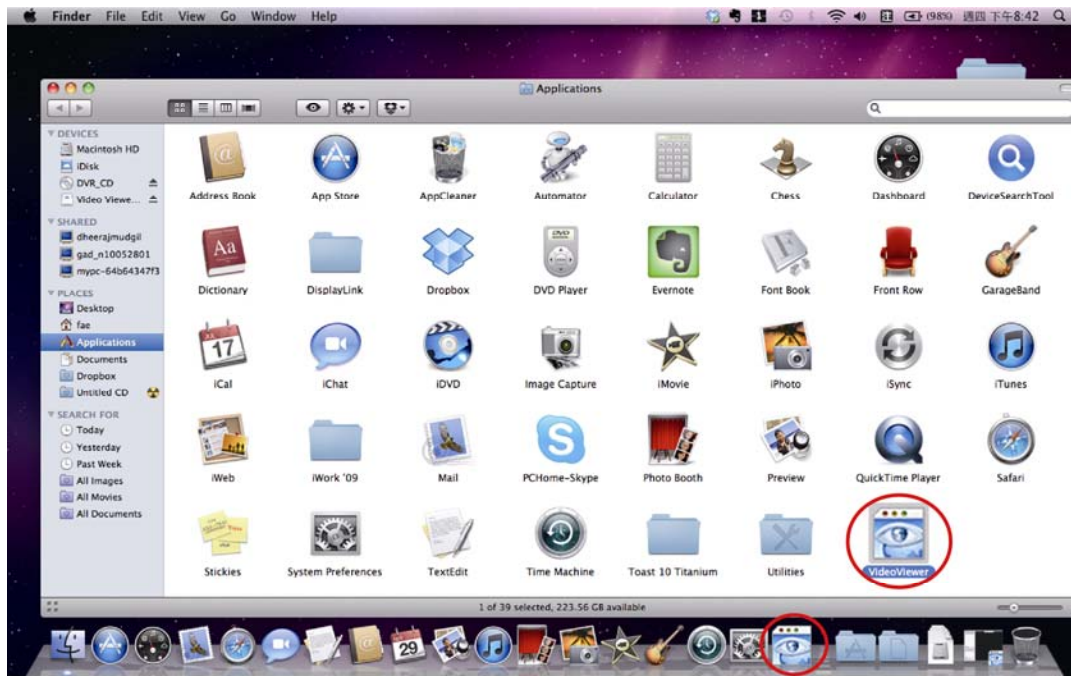Step 2: When disk content are shown, double-click on setup exe to install Video Viewer software.

Step 3: Drag the Video Viewer icon to your applications folder to start setting up.

Follow the above instructions to finish the installation. When the installation is completed, a shortcut icon

![icon] will be placed on your PC desktop and Applications list (circled in red).

2.1.2 Download from the Internet

Step 1: On the condition that your MAC is connected to the Internet, please register with our website, www.eagleeyescctv.com and go to the support page to download Video Viewer.
Step 2: Follow the on-screen instructions to finish the installation. When the installation is completed, a

shortcut icon ![icon] will be placed on your PC desktop and Applications list
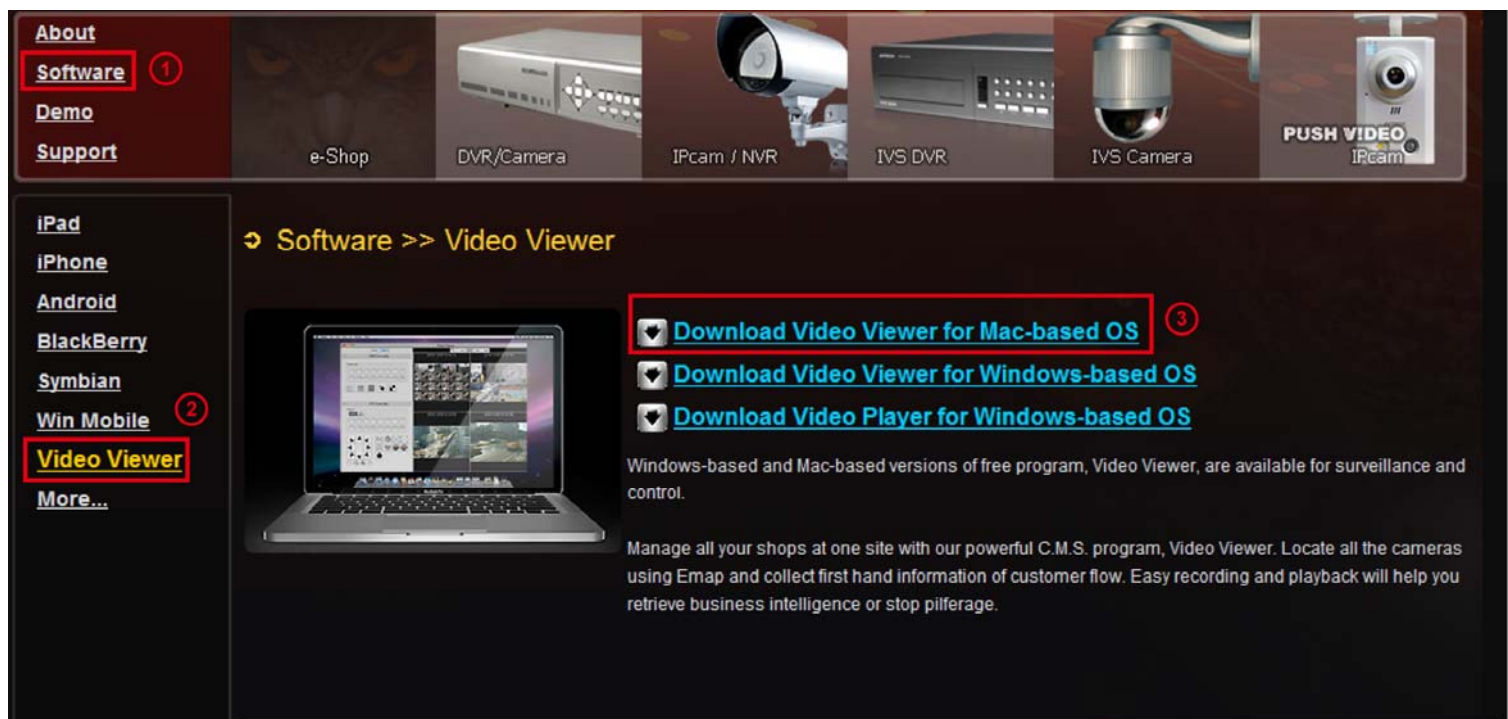
3. CONTROL PANEL & FREQUENTLY-USED FUNCTIONS

3.1 Accessing the Device

Step 1: Double-click " " on your PC desktop to open Video Viewer.

Step 2: Click " " to select the IP address of the device you intend to connect, and double-click it.

Step 3: The setup page view is displayed in the Video Viewer.

3.2 Setup Page

3.2.1 Setup Page Overview

Please check the functions below before setting up a new device. To know how to configure the address book and add a new device, please refer to

3.2.3 Configure the Address Book at page 7 and   For more details, please refer to 3.2.4 Add a Device at page 7.

3.2.2 Setup Page Main Button Overview

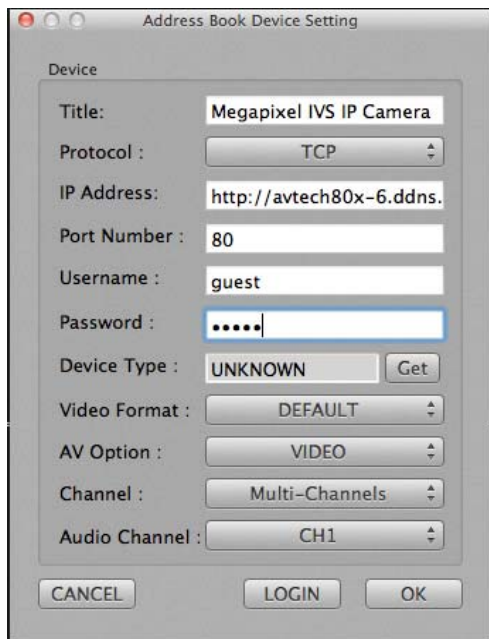| Function	Button	Description
Address Book		
Add		Click to add one IP address for login. Key in the access information needed, and click "OK" and "Login". For details, please refer to "3.2.3 Configure the Address Book" at page 7.
Remove		Remove selected device from the address book.
Edit		Select one current IP address from the address list, and click this button to modify the access information as needed.
Connect		Connect to the selected device.
Disconnect		Disconnect from the selected device.
Available Devices		
Add		Click to add the selected device to address book.
Edit		Select one current IP address from the address list, and click this button to modify the access information as needed.
Refresh		Click to update the available IP address list.
Display mode		
1-Cut Display	1x1	Click to show the 1-Cut display view.
4-Cut Display	2x2	Click to show the 4-Cut display view.
9-Cut Display	3x3	Click to show the 9-Cut display view.
16-Cut Display	4x4	Click to show the 16-Cut display view.
Full Screen		Click to show the full screen view.

3.2.3 Configure the Address Book

Address book is a collection of the active devices that have been used on your computer. By accessing the configuration page, users can add / edit / delete devices manually on the address book, and further search for any other available device on the local Internet. For more details, please refer to 3.2.4 Add a Device at page

Step 1: Double-click " " on your PC desktop to open Video Viewer. By defaults, the "Address Book" panel will be displayed on the left side of the control panel.

Step 2: Click " " (add an active device) to key in the default IP address, user name, password, port number and basic information of the DVR you intend to connect. The configuration page is shown as below:


Function	Description
Title	Enter a device name for easy identification.
Protocol	TCP provides reliable, ordered delivery of a stream of bytes from a program on one computer to another program on another computer.
IP address / Port Number / User name / Password	Enter the IP address / port number / user name / password for accessing the device you want.
Device Type	Click "Get" for this software to identify the type of your device, and make sure the corresponding functions available for the device will operate normally in this software.
Video Format	Select "MPEG4", "JPEG", "H264" or "Default" for streaming. The available options may vary based on the device you want to access.
AV Option	Select "Video/Audio" or "Video" to ensure whether the web audio transmission is needed. ■ When your device supports web audio transmission but "Video" is selected, no audio is transmitted. ■ When your device doesn't support web audio transmission but "Video/Audio" is selected, no audio is transmitted.
Channel	Select each channel display or Multi-Channels display.
Audio Channel	Select the channel that you want to have the audio function.

Function	Description
Cancel	Click "Cancel" to discard the setting.
Login / OK	Click "OK" to save the setting and return to "Address Book" panel, or click "Login" to save the setting and directly log into the device immediately.

3.3 Live Page

3.3.1 Live Page Overview

Please check the functions below before starting using the overall functions. For channel selection specific instructions, please refer to 3.3.2 Channel Selection and Different Display Mode at page 9. For PTZ control functions, please refer to 3.3.3 PTZ Control at page 10.
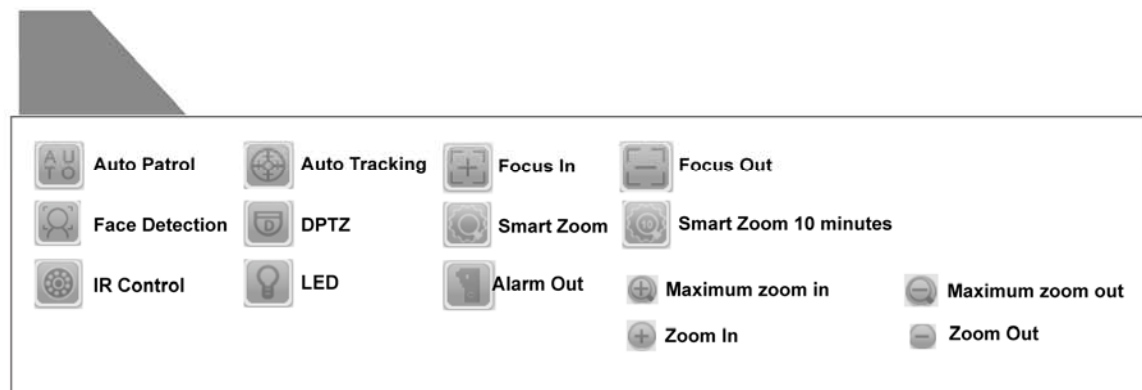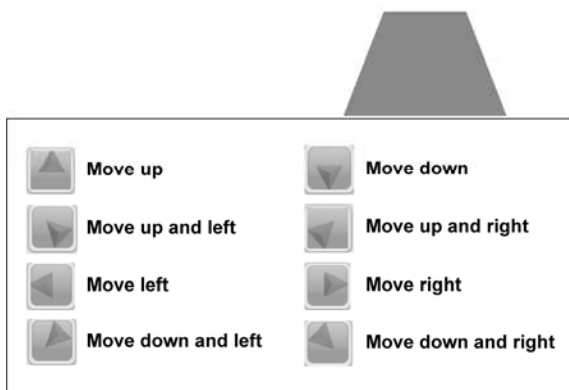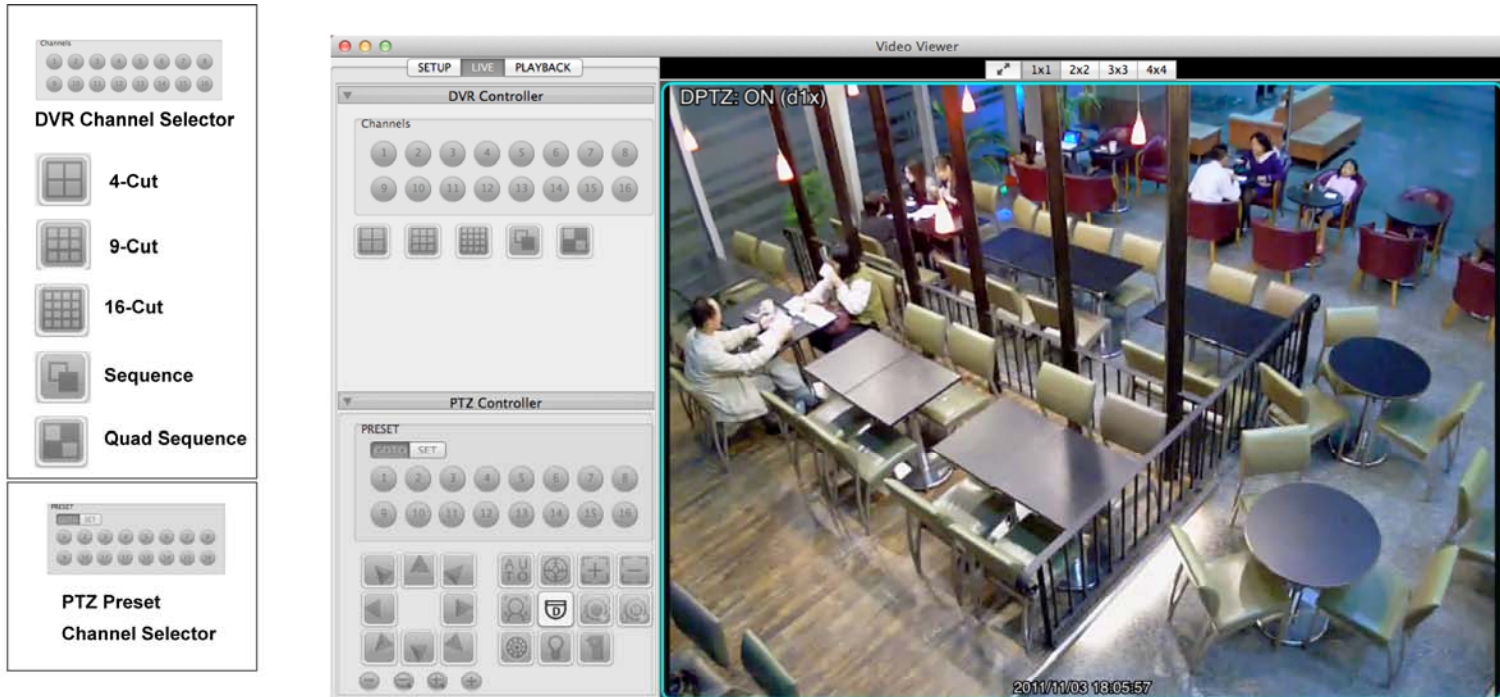
3.3.2 Channel Selection and Different Display Mode

For channel selection, please click the channel number to switch to the live view of the selected channel. For different display mode from 1-cut display to 16-cut display, please refer to the following description.

Click [1x1] to have the 1-cut display. Click ⊞ or [2x2] to switch to the 4-cut display. Click ⊞

or [3x3] to switch to the 9-cut display. Click ⊞ or [4x4] to switch to the 16-cut display. And for other functions, please refer to the following description.

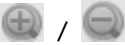| Function	Button	Description
DVR Controller		
Channel Number	1~16 / 1~8 / 1~4	Click the channel number to switch to the live view of the selected channel.
Video Channel Selection	▦	Click to switch to the 4-cut display.
	▦	Click to switch to the 9-cut display.
	▦	Click to switch to the 16-cut display.
Full Sequence	▣	Press to display each channel of the selected device one by one, starting from CH1. When the last channel is displayed, it will start from CH1 again. To exit from this display mode, press any channel display mode.
Quad Sequence	▣	Quad Sequence Click to display the 4 quad display modes one by one. The 1st display is CH1, CH2, CH5 & CH6. The 2nd display is CH3, CH4, CH7 & CH8. The 3rd display is CH9, CH10, CH13 & CH14. The 4th display is CH11, CH12, CH15 & CH16. When the 4th display is shown, it will start from the 1st display again. To exit from this display mode, click any other channel display button.

3.3.3 PTZ Control

If a PTZ camera is connected and you want to control it:

Please press the preset channel number that connects the IP camera / DVR that has PTZ functions. For the function of each button, please refer to the following description.
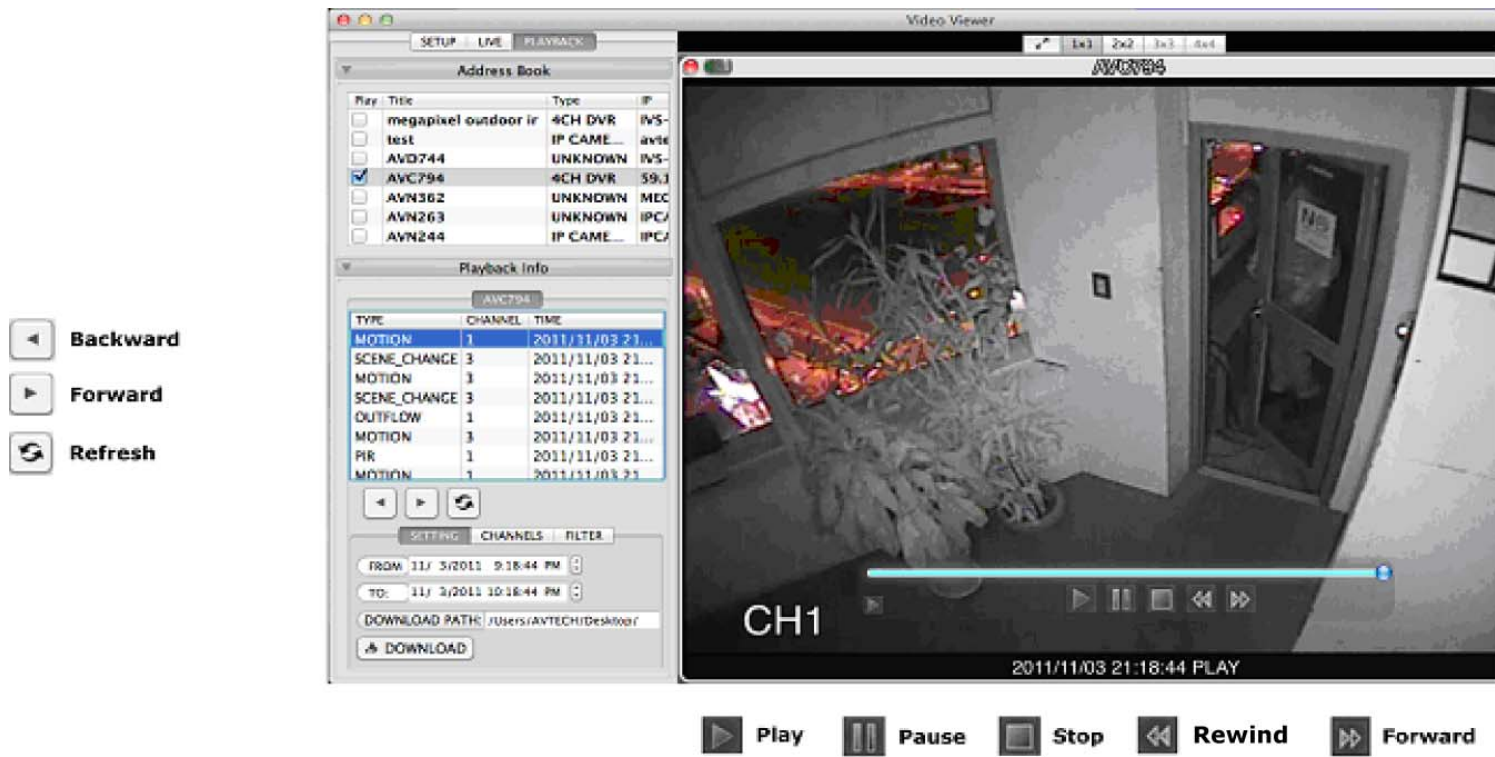
Note: **Some buttons may not be enabled or appeared for selected models.**

Function	Button	Description
PTZ Controller		
PTZ Preset Channel Number	1~16	Click the channel number to switch to the live view of the selected channel.
Arrow Keys	--	Click to: 1. Move the camera lens up / up - left / left / down - left / down / up - right / right / down - right 2. Make selection.
Auto Patrol	AUTO	Click to activate the auto function. 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 IP camera.
Auto Tracking	⊕	Click to activate the auto tracking function if the connected PTZ camera supports it and have set the surveillance area.
Zoom In / Out	⊕ / ⊖	Click to zoom in / out the image.

Function	Button	Description
Max Zoom In / Out	⊕ / ⊖	Click to zoom in the image to the largest / zoom out the image to its original size.
Focus Near / Far	⊞ , ⊟	Click to adjust the focus of the image.
Face Detection	👤	Click to activate the face detection function if the connected PTZ camera supports it and have set the surveillance area.
DPTZ	Ⓓ	Click to activate the DPTZ function if the connected IP camera supports it and have set the surveillance area.
Smart Zoom	◎	Click to activate the smart zoom function if the connected IP camera supports it and have set the surveillance area.
Smart Zoom 10 minutes	◎	Click to activate the smart zoom function 10 minutes function if the connected IP camera supports it and have set the surveillance area.
IR Control	⊛	Click to activate the smart IR control function if the connected IP camera supports it and have set the surveillance area.
LED	💡	Click to activate the LED function if the connected IP camera supports it and have set the surveillance area.
Alarm Out	🔔	Click to activate the alarm out function if the connected IP camera supports it and have set the surveillance area.

3.4 Playback Page

3.4.1 Playback Page Overview

3.4.2 Playback Page Main Button Overview

| Function	Button	Description
Playback Info		
Backward	◀	Click to search for the past calendar events.
Forward	▶	Click to search for the next events.
Refresh	⟳	Click to update the available IP address list.
Playback Control		
Play	▷	Click to play the selected video clip.
Pause	❙❙	Click to pause the video playback.
Stop	◻	Click to stop the video playback.
Rewind	◀◀	Click once to get 2X fast rewind, twice to get 4X, three times to get 8X, and four times to get 16X the highest.
Forward	▶▶	Click once to get 2X fast forward, twice to get 4X, three times to get 8X, and four times to get 16X the highest.

3.5 Playback a Video

Video Viewer will start recording automatically as an event is triggered; users can sort out the video he / she intends to playback with the help of Time / Channel / Filter search.

Time Search

To play a recording, click " PLAYBACK ", and select the device you want to check from the address book. Afterwards, all playback information will be listed in chronicle order.

For the former log list, click on " ◄ " to perform backward function; meanwhile for the latter log list, click on " ► ".

Click on " ⟳ " to refresh the log and to get the latest event list.
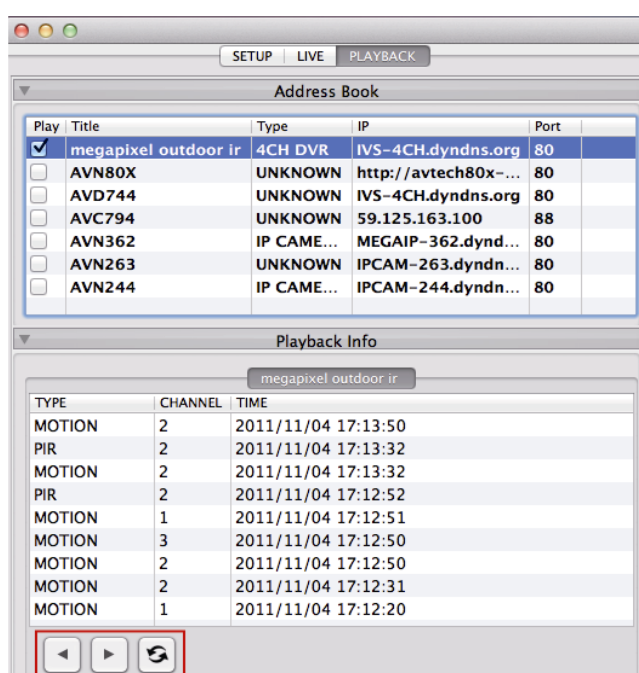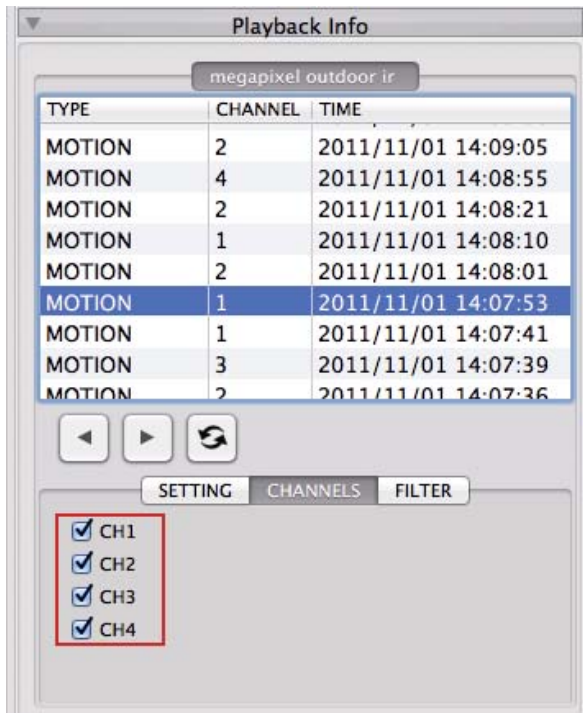

To search for a video at specific time, click " SETTING " to key in "FROM" and "TO" columns. Click on " ⟳ " to refresh the log and to get the latest event list. As you get the video, you can use playback control to playback it immediately.
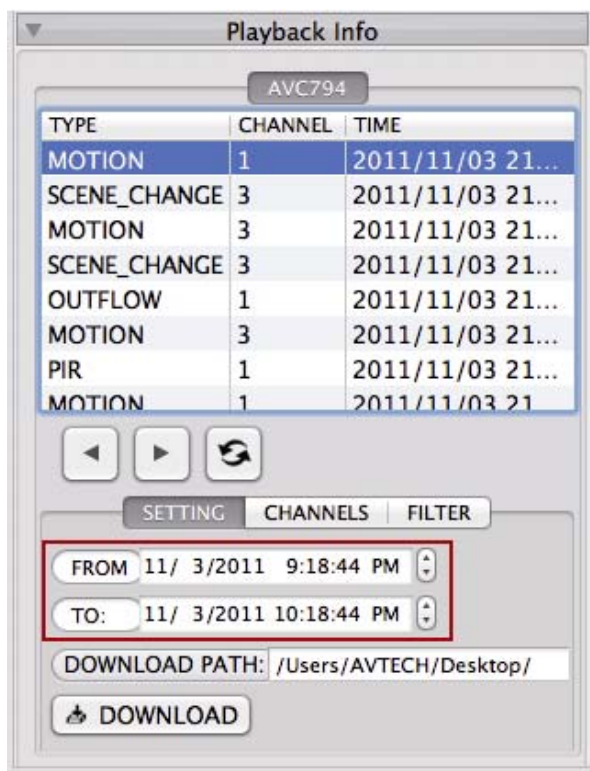
Channel Search

To search for a video at a specific channel(s), click " CHANNELS " to select the channel(s) you need. Click on " ⟳ " to refresh the log and to get the latest event list. As you get the video, you can use playback control to playback it immediately.

Filter Search

To search for a specific type(s) of event video, click " FILTER " and check the items (types of event) you need. Click on " ⟳ " to refresh the log and to get the latest event list. As you get the video, you can use playback control to playback it immediately.
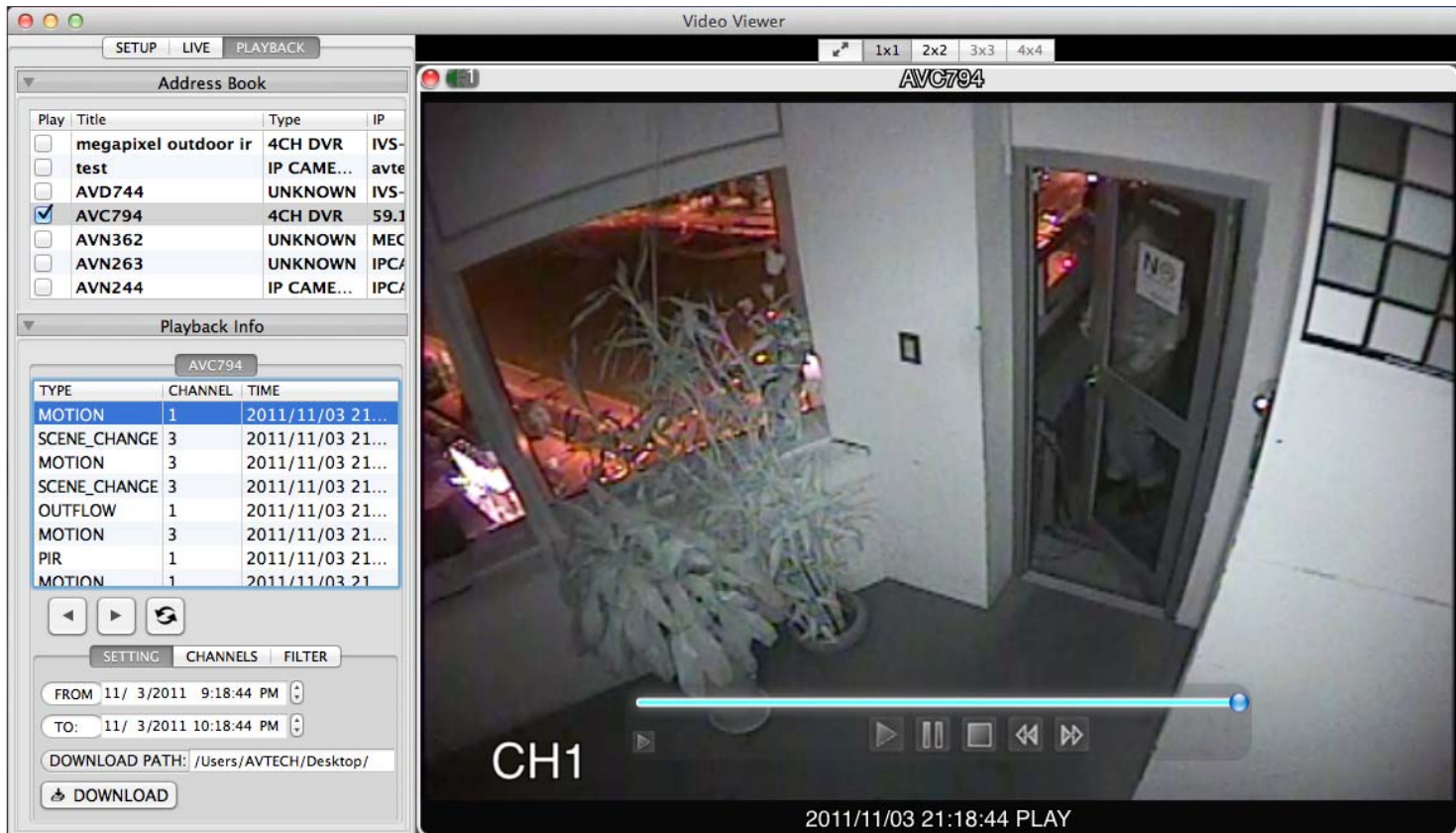
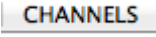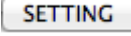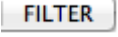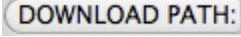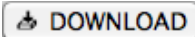## 3.6 Video Download and Backup

By the time a video is selected, choose a download path and click on " DOWNLOAD " to download files to your PC for further storage.

Button	Function	Description
CHANNELS	Channel	Specify the channel(s) you need by checking or unchecking.
SETTING	Download by Time	Specify the time range within which has the video data you want in the "From" and "To" columns.
FILTER	Download by Event	Select an event log from the event list. This list shows all logs in the specified DVR from the latest to the earliest. To quickly find the events you need, check or uncheck the event type (System / Manual / Alarm / Motion and so forth), and select the log you want. To view the earlier or later logs that are not shown in the current page, click "Backward" or "Forward". ・ To refresh the event list, click " ".
DOWNLOAD PATH:	Download Path	Assign the location where the backup files are saved.
DOWNLOAD	Download	Click "Download" to start the video backup.

APPENDIX 1 SPECIFICATIONS

■ SYSTEM REQUIREMENTS	
Operation System	MAC OS 10.6x 10.7x or 10.8x
■ CENTRAL MONITORING	
Display Mode	1CH / 4CH / 6CH / 9CH /16CH Selectable
Display Mode Setting	Adjustable Sequence & Channel Display Position
Max. Channel No.	16
Remote DVR/PTZ Camera Control	YES
Real-Time Audio Monitoring	YES
Security Level	Guest / Normal / Power User / Supervisor
Password Inquiry	YES
Transmitting Format	H264 / MPEG4 / JPEG (based on the device connected)
■ EVENT MANAGEMENT	
Motion / Alarm Detection	YES
Advanced Motion Detection Setting	Adjustable Sensitivity & Detection Area
Motion / Alarm Notification	By Email or FTP
Event Log List	YES
■ RECORDING & PLAYBACK	
Record Mode	Manual / Schedule / Motion / Alarm / R.E.T.R.
Recording Setting	Independent Setting Per Channel
Online / Offline Playback	YES
■ OTHERS	
Channel Naming	YES
Remote Backup	YES
Pre-/Post-Alarm Recording	Max. 10