

# **VSPlayer**

**User Manual**

**V6.2.0.0**

Thank you for purchasing our product. If there is any question or request, please do not hesitate to contact the dealer.

This manual is applicable to **VSPlayer for Windows**.

This manual may contain several technically inaccurate points or printing errors, and the content is subject to change without notice. The updates will be added into the new version of this manual.

We will readily improve or update the products or procedures described in the manual.

# Table of Contents

Chapter 1 Introduction.....	4
1.1 Description.....	4
1.2 Main Features.....	4
1.3 Installing VSPlayer.....	5
1.4 Uninstalling VSPlayer.....	5
Chapter 2 Overview.....	6
2.1 VSPlayer Overview.....	6
2.2 Function Description.....	7
2.3 Icon Introduction.....	9
Chapter 3 Operations.....	10
3.1 File.....	10
3.1.1 Open a File.....	10
3.1.2 Check the File Information and Exit.....	10
3.2 Play.....	12
3.2.1 Play/Pause/Stop.....	12
3.2.2 Top Display.....	12
3.2.3 Play Control.....	13
3.2.3.1 Reverse Play.....	13
3.2.3.2 Locate the File.....	13
3.2.3.3 Frame Forward/Frame Backward.....	14
3.2.3.4 Speed Up/ Speed Down.....	15
3.2.4 Play Mode.....	15
3.2.5 View.....	16
3.2.6 Sound.....	18
3.2.7 Play window layout.....	19
3.2.8 Synchronous Playback.....	20
3.3 Tools.....	24
3.3.1 Cut.....	25
3.3.2 Merge.....	26
3.3.3 Convert.....	28
3.3.4 Part.....	29
3.4 Settings.....	31
3.4.1 General Settings.....	31
3.4.2 Play Settings.....	32
3.4.3 Picture Settings.....	32
3.4.4 Tool Settings.....	32
3.5 Help.....	33

# Chapter 1 Introduction

## 1.1 Description

VSPlayer is a free media player designed for Windows. It provides an intuitive, easy to use interface to play digital media file, and supports a myriad of audio and video formats. In addition, it offers many advanced features, is extremely customizable, and is available in both Chinese and English.

## 1.2 Main Features

- **Support various record files of encoder products, including:**

DS-9000/9100, 8100/7100, 8000/7000/7300 series network video record;

DS-6500/6100/6000 series video server;

DS-6600 series video encoder server;

DS-4200/4100/4000 series video/audio compression card;

Network camera/network speed dome;

- Support various file formats, including:

Hikvision H.264; Standard H.264, Standard MPEG4.

- Support file list play;

- Support right-click menu;

- Support various play modes and image quality parameter configuration;

- Support multi-language;

- Support continuous capture mode;

- Support file information check;

- Support multi-screen display;

- Support Windows XP/2000/Vista/Win7 OS;

- Support file cut/merge/convert;

- Support multiple clock precision selection;

- Support control screen resolution selection;

- Support watermark;

- Support zone magnify;

- Support location by time/frame num;

- Support synchronous playback;

- Support reverse playback;

- Support intelligent information display;

## **1.3 Installing VSPlayer**

### ***Steps:***

- 1: Download the VSPlayer package for Windows from the Hikvision website which is in the dmg format.
- 2: Mount the dmg file to the Windows system and open it by double-clicking the file.
- 3: Right-click the installation file and select copy to copy it to the local disk.
- 4: Double-click the installation file to run the VSPlayer.

## **1.4 Uninstalling VSPlayer**

Drag the VSPlayer application to your trash can to get it removed.

# Chapter 2 Overview

## 2.1 VSPlayer Overview

Double click the shortcut icon on the desktop to run the software.

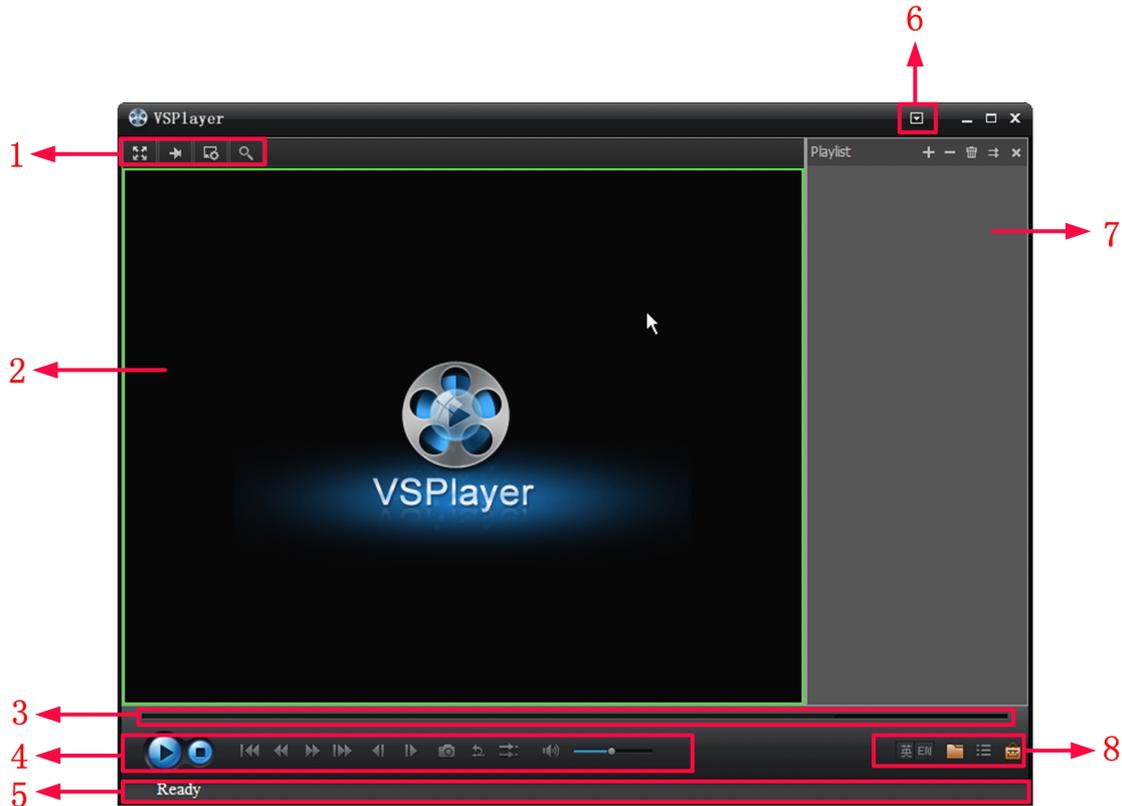


Figure 2-1 Interface Overview

Table 2-1 Interface Overview

	NAME	DESCRIPTION
1	Shortcut key	Full-Screen,Top display,Player Settings,Zone magnify
2	Play Interface	Display the video.
3	Process Bar	Display the play process.
4	Control Bar	Play/pause the video, adjust the play speed and the volume.
5	Status Bar	Display the information of the elapsed time, frame, etc.
6	Main menu	Enter the main menu interface of the VSPlayer.
7	Playlist	Collect the videos which are going to be displayed.
8	Tool	Enable the capture and continuously capture function.
4	Control Bar	Play/pause the video, adjust the play speed and the volume.
5	Main menu	Enter the main menu interface of the VSPlayer.
6	Playlist	Collect the videos which are going to be displayed.

7	Playlist Control Bar	Add/delete file, empty the playlist, and set the play mode.
8	Tool	Switch the language/Open the file/Enable the capture and continuously capture function.

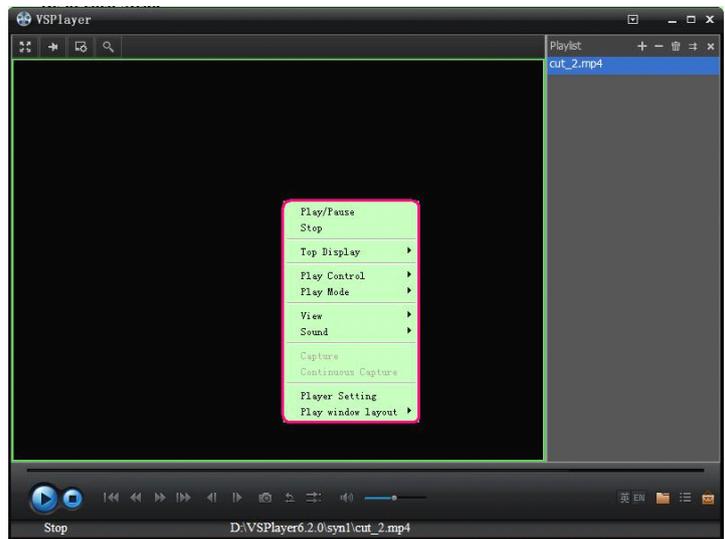
Click the playlist button,it display the list as below:

Function Description:

-  Add File
-  Delete File
-  Clear the playlist
-  Select the play mode:Single Play,Playlist play,Repeat one,Repeat All
-  Close the playlist

### Right click Menu

In the window display area click the right mouse button,as below



## 2.2 Function Description

Table 2-2 Function Description

ICON	MENU	SUBMENU
File	Language	Simplified Chinese;English
	Add Files	

	File Information	
	Exit	
Play	Play/Pause(Space)	
	Stop	
	Top Display ▶	Always;Only Playing; Never
	Play Control ▶	Reverse Play;Locate; Frame Forward; Frame Backward; Speed Up; Speed Down
	Play Mode ▶	Single Play; Playlist Play; Repeat One; Repeat All
	View ▶	Full Screen; Normal Size; Double Size; Half Size; Quarter Size; High Quality Display; Watermark info; Image Control; Color Adjust; IVS Info;
	Sound ▶	Volume Up; Volume Down;Mute;
	Play window layout ▶	1 window ; 4 windows ; 9 windows ; 16 windows
	Tools	Capture
Continuous Capture		
Cut		
Merge		
Convert		
Part		
Setting	Play Settings (Please refer to the play settings table below)	
Help	Hotkey	
	About	

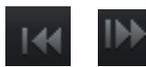
Table 2-3 Play Settings

<b>MENU</b>	<b>ITEMS</b>	<b>SUBITEM</b>	<b>OPTIONS</b>
General Settings	Basic ▶	Option ▶	High Quality Display ; Deflash
		Play Optimization ▶	Efficiency Priority; Effect Priority
		Throw B-Frame ▶	Don't Throw; Throw 1; Throw 2
		Player Time ▶	High Precision Timer; Low Precision Timer
	Hotkey/Mouse		
Play Settings	Video Locate		Time Locate; Frame Locate
	Play Speed		Speed Up; Speed Down
Picture	Image Control		Normal Resolution; Low Resolution

Settings	Color Adjust		Lightness; Hue; Contrast; Chromaticity
Tool Settings	Capture		Save Path; Save Type
	Continuous Capture		Save Path; Save Type

## 2.3 Icon Introduction

Table 2-4 Icons Description

ICON	DESCRIPTION
	Play
	Pause
	Stop
	Replay the file from the beginning; Push the playing process directly to the end of the file.
	Speed Up; Speed Down
	Frame Forward; Frame Backward
	Capture
	Reverse Play
	Synchronous Playback
	Enable the volume; Mute; Volume Adjustment
	Language switches
	Add the files to the playlist
	Hide/show the playlist
	Capture; Continuous capture; Cut; Merge; Convert; Part

# Chapter 3 Operations

## 3.1 File

### *Purpose:*

You are able to open a file or check the file information from the **File** menu, or you can exit the player by clicking Exit.

### 3.1.1 Open a File

#### *Steps:*

1. Click the **File** menu, and select the **Open File** menu item. An Open File dialog box will appear.
2. Select the file or files you want to open, and select **Open** to start playing the selected files. See Figure 3-1.

#### *Note:*

An alternative is to drag the needed file directly to the play window, and the file will be played as well.



Figure 3-1 Open a File

### 3.1.2 Check the File Information and Exit

#### ● File Information:

There are two ways to check the file information:

- Click **File**, and go to **File Information** to check the related file information, including the file name, file type, resolution, frame rate, time, file size, and file path, etc.

- Right click on the play window, and go to **File Information** to check.

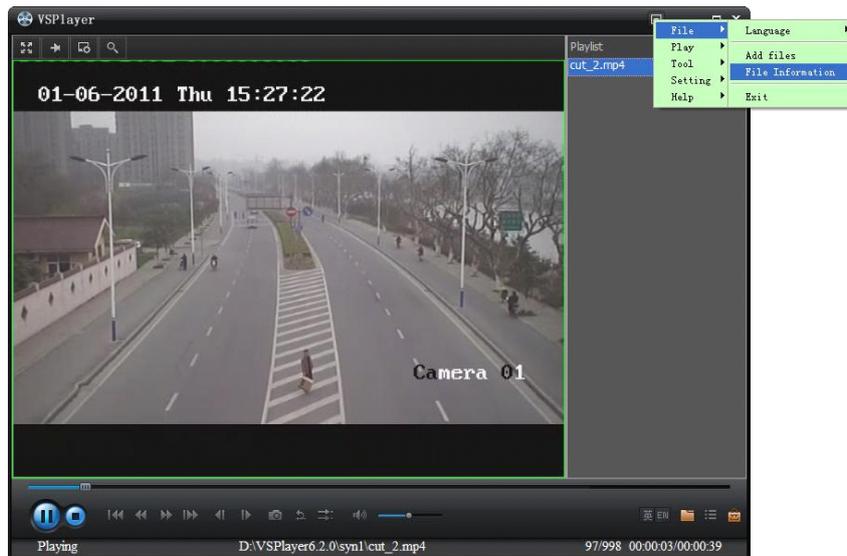


Figure 3-2 File Information Check

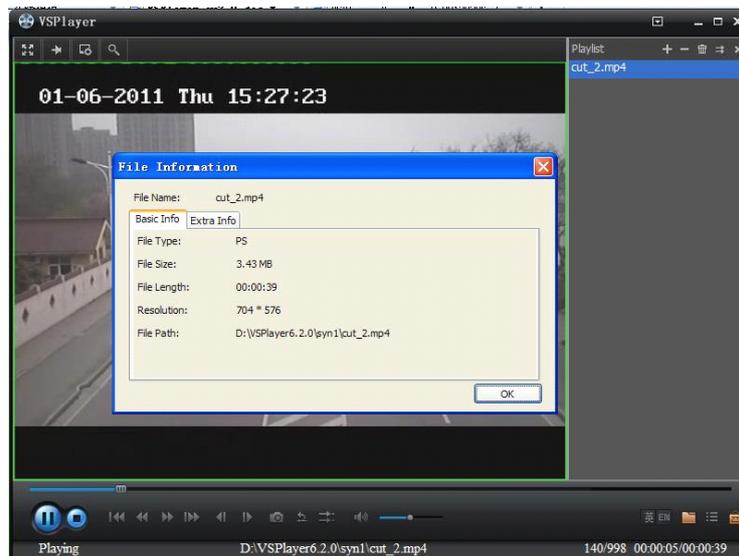


Figure 3-3 File Information(Basic)

## ● Exit

Instead of clicking  on the top right corner, you can also go to **File**, and go to **Exit** to stop running the player.

## 3.2 Play

### *Purpose:*

You can change the play-related settings under **Play** menu, including **Play/Pause/Stop**, **Top Display**, **Play Control**, **Play Mode**, **Player Size**, **Sound** and **Language**, etc.

### 3.2.1 Play/Pause/Stop

You have several ways to pause/stop a playing file.

- Click  on the top right corner, go to Play tab, and then select **Play/Pause** or **Stop**,
- Right click on the play window, go to **Play/Pause/Stop**;
- Click ,  or  to play/pause or stop the file.

### 3.2.2 Top Display

### *Purpose:*

If there are several windows opened on the desktop at the same time, the **Top Display** will makes the VSPlayer window appear at the top of the others, so that you can easily access it.

### *Steps:*

1. Click  on the top right corner, go to **Play**, and then select **Top Display**.
2. Set the Top Display to **Always** to enable the function, or select **Never** if you don't want to top display the video.

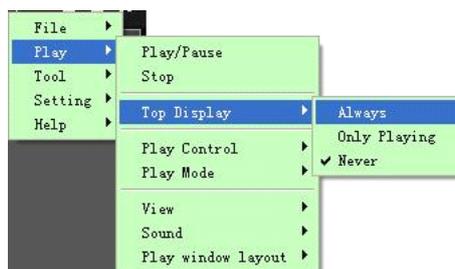


Figure 3-4 Top Display

**Note:** you can also enable the Top Display via right click on the play window, and go to **Top Display** tab, then set it to **Always** or **Never**.

## 3.2.3 Play Control

### *Purpose:*

Play control helps you to locate the file to a specific timing or frame. And you can also adjust the file process by frame or speed.

### 3.2.3.1 Reverse Play

#### *Steps:*

1. Click  on the top right corner, and go to **Reverse Play**.
2. Select **Play Control**, and go to **Reverse Play**.
3. Reverse Play the video you can use  to reverse play the video.

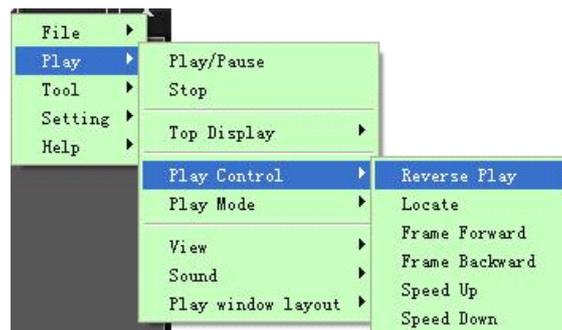


Figure 3-5 Reverse Display

### *Note:*

An alternative is to right click on the play window, and go to **Play>Play Control>Reverse Play**

### 3.2.3.2 Locate the File

#### *Steps:*

4. Click  on the top right corner, and go to **Play**.
5. Select **Play Control**, and go to **Locate**.
6. Input the timing or the frame you want the file to start, and then click **Locate** to get it located.

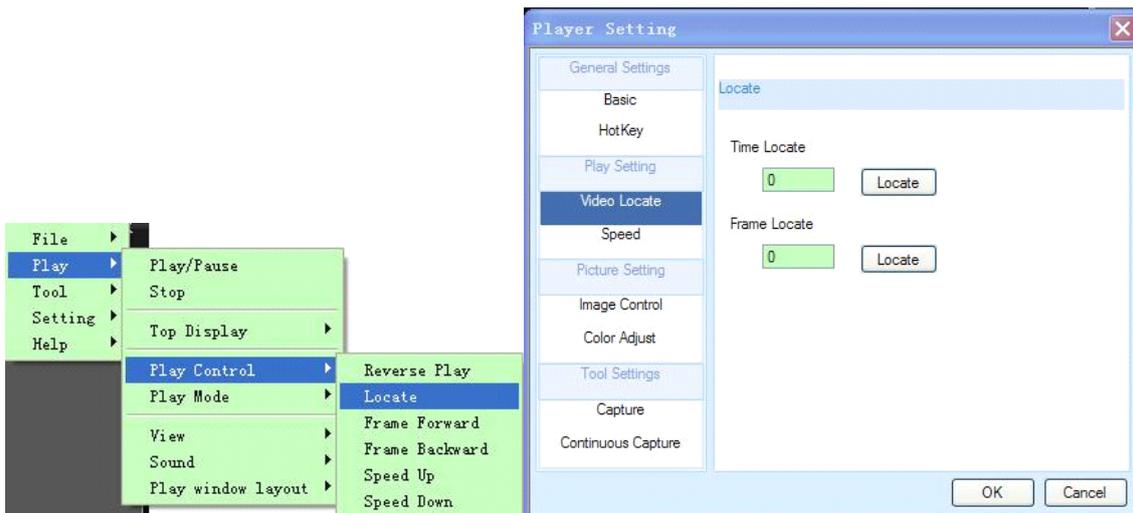


Figure 3-6 Locate the File

**Note:**

An alternative is to right click on the play window, and go to **Play>Play Control>Locate**.

### 3.2.3.3 Frame Forward/Frame Backward

Video frame is one of the many still (or nearly so) images which compose the complete moving picture. When the moving picture is displayed, each frame is flashed on a screen for a short time and then immediately replaced by the next one.

Frame forward/frame backward provides you to control the video process by frame. The video will be paused at the second you select **Frame Forward/Frame Backward**, and you can check the video out frame by frame.

**Steps:**

1. Click  on the top right corner, and go to **Play**.
2. Select **Play Control**, and go to **Frame Forward/Frame Backward**.
3. Forward/backward the video by clicking the Frame Forward/Frame Backward again. Or you can use the hotkey of  $\leftarrow \rightarrow$ , or   to frame forward/backward the video.

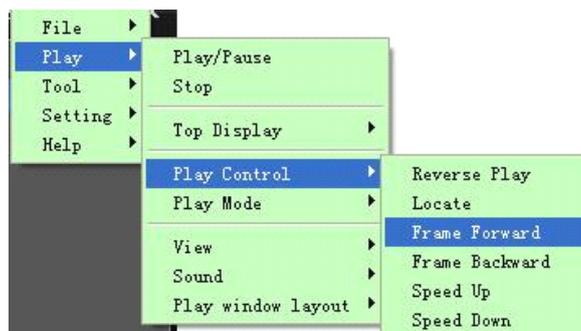


Figure 3-7 Frame Forward/Frame Backward

### 3.2.3.4 Speed Up/ Speed Down

The VSPlayer provides four ways for you to speed up/speed down the video play.

**X2, x4, x8, and x 16** are selectable for speed up, **speed/2, speed/4, speed/8, and speed/16** are selectable for speed down.

- Click  on the top right corner, and go to **Play-> Play Control -> Speed Up/Speed Down**.
- Right click on the play window, and click **Play Control -> Speed Up/Speed Down**.
- Click   to speed up or speed down.
- Set the play speed from the Play Settings, please refer to the figure below.

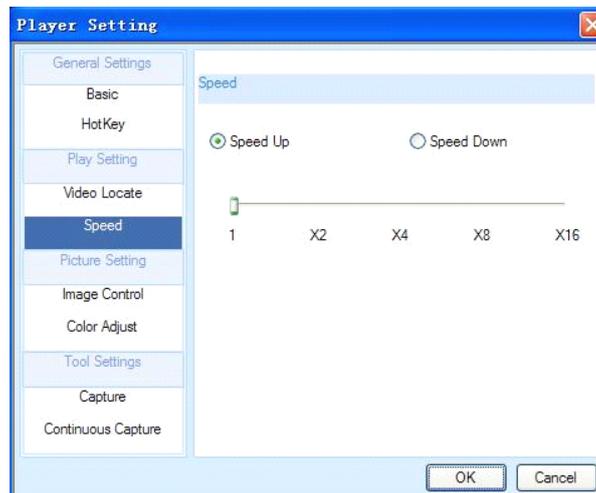


Figure 3-8 Set the Play Speed From Player Settings

### 3.2.4 Play Mode

The playlist supports several playback modes: Single Play, Playlist Play, Repeat One, and Repeat All.

Single Play plays the selected file and stops when the file finish.

Playlist Play plays the files according to the sequence in the playlist.

Repeat One keeps play the current selected file until another file is forced.

Repeat All loop plays the playlist until another command is received.

You can follow the ways below to set your desired play mode.

- Click  on the top right corner, and go to **Play-> Play Mode -> Single Play/Playlist Play/Repeat One/and Repeat All**
- Right click on the play window, and go to **Play Mode** to select.
- Click  on the lower right corner, and select the play mode.

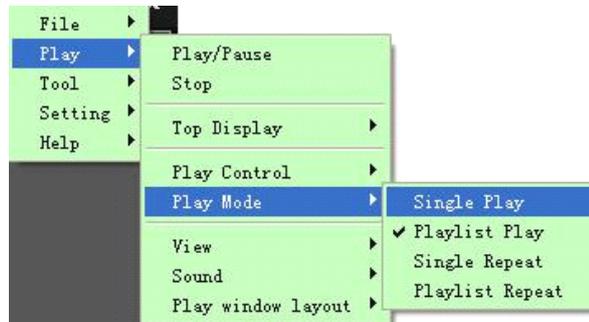


Figure 3-9 Play Mode

## 3.2.5 View

### **Purpose:**

From the **View** tab, you are able to set the window size, control the image quality and adjust the image color.

### **Window Size:**

The VSPlayer provides several window sizes for better viewing experience. You can select from Full Screen, Quarter Size, Half Size, Normal Size, Double Size, and Fixed Size according to your own preference.

### **Notes:**

The window size of the VSPlayer is self-adaptive to the file resolution, which means the window size may change according to the different resolution, however, if fixed size is selected, the window remain the same size even different files are played.

You can follow the ways below to select your desired window size.

- Click  on the top right corner, and go to **Play-> View-> Full Screen/Normal Size/Double Size/Half Size/Quarter Size**.
- Right click on the play window, and go to **View** to select.

### **High Quality Display(Coming Soon):**

**High Quality Display** is preferred when only one-window show to guarantee the image quality.

### **Watermark Info(Coming Soon):**

Digital watermarking (Digital Watermarking) technology is the number of identification information (i.e., digital watermark) directly into digital media (including multimedia, documents, etc.) or indirect representation (modify specific regions of the structure), and does not affect the value of the original carrier, is not easy to be detected and modify again. But can be production of recognition and identification. Through these hidden in the carrier of

information, can confirm the content creators, buyers, or to send secret information to determine whether the carrier has been tampered with and so on purpose.

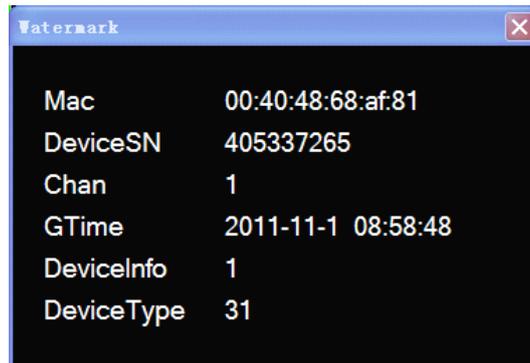


Figure 3-10 Watermark Info

**Image Control (Coming Soon):**

**Normal Resolution** is preferred when the usage of the CPU is low to guarantee the image quality, however, the **Low Resolution** is preferred if the usage of the CPU is too high to guarantee the image fluency.

**Color Adjust (Coming Soon):**

You are able to adjust the Lightness, Hue, Contrast, and Chromaticity of the image from Color Adjust option.

**Lightness** refers to the brightness of the image.

**Hue** refers to the quality of a color as determined by its dominant wavelength.

**Contrast** refers to the perceptual effect of the juxtaposition of very different colors.

**Chromaticity** refers to an objective specification of the quality of the color regardless of its luminance.

**IVS Info:** Intelligent Video System info.

- Click  on the top right corner, and go to **Play-> View->IVS Info**
- Right click on the play window, and go to **View** to select.

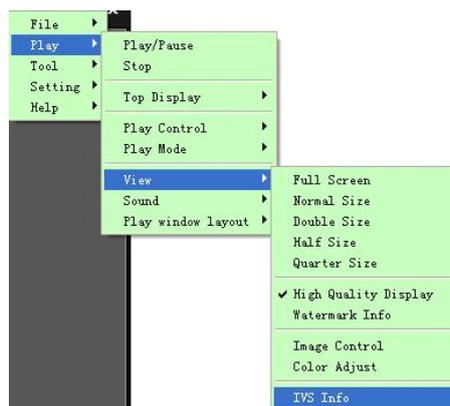


Figure 3-11 IVS Info



Figure 3-12 IVS Info(normal)



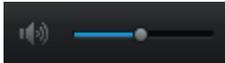
Figure 3-13 IVS Info

## 3.2.6 Sound

### ***Purpose:***

From the ***Sound*** tab, you are able to set the sound volume or mute.

You can follow the ways below to set your desired sound volume.

- Click  on the top right corner, and go to ***Play-> Sound-> Volume up /Volume down/Mute***
- Right click on the play window, and go to ***Sound*** to select.
- Click  on the play control bar list, and select the sound volume.

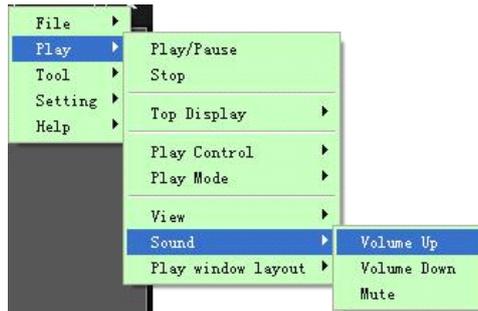


Figure 3-14 Sound

### 3.2.7 Play window layout

***Purpose:***

From the ***Play window layout*** tab, you are able to set the window numbers. You can follow the ways below to set your desired sound volume.

- Click  on the top right corner, and go to ***Play-> Play window layout-> 1 window/4 windows/9 windows/ 16 windows***
- Right click on the play window, and go to ***Play window layout*** to set.

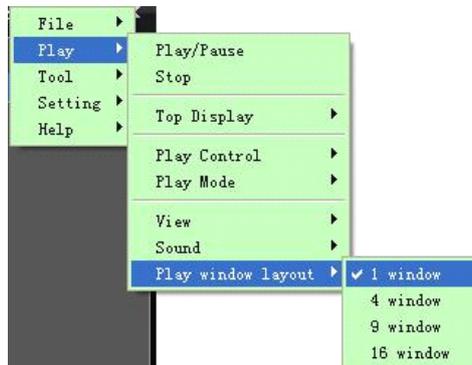


Figure 3-15 Play window layout



Figure 3-16 Play 4-window layout

**Notes:**

The number of the player window can be in one, four, nine, sixteen, each window can independently play the file. When switching windows, close all the playing file in the current window. Need to darg the file by left mouse drag to the display playback window can be played.

The current version of the player supports multiple files simultaneously preview.

### 3.2.8 Synchronous Playback

#### Synchronous Playback

**Purpose:**

You can Synchronized playback the files in the file list.. Please refer to the pictures below.

- Click  on the play control bar list.
- Add the file to the file list.

In Synchronous mode, press Shift or Ctrl select the files in the playlists, and then click the ,

As belows,in each window the OSD time is not the same

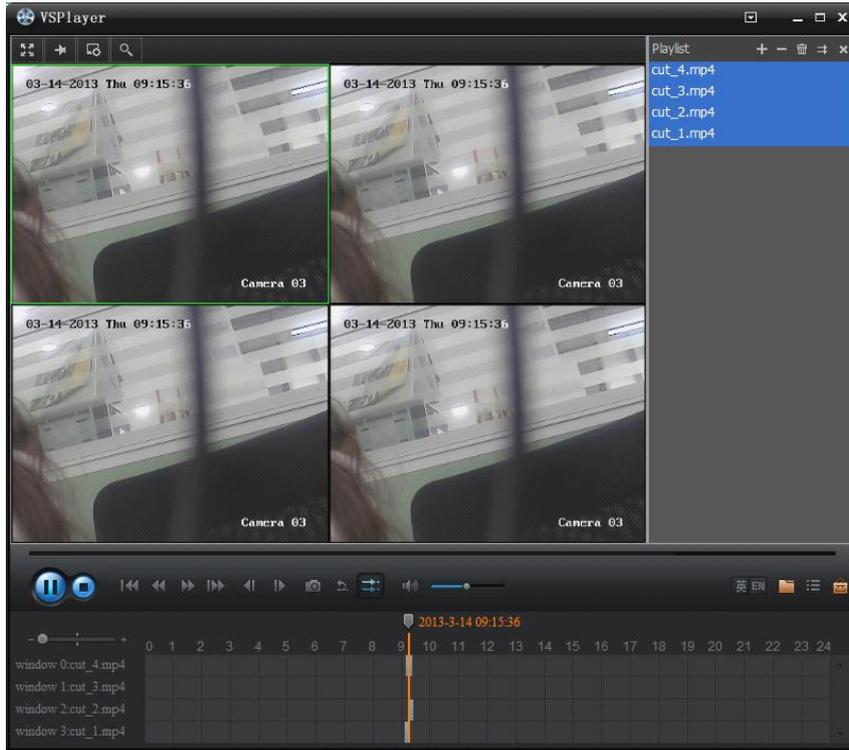


Figure 3-17 Synchronized playback

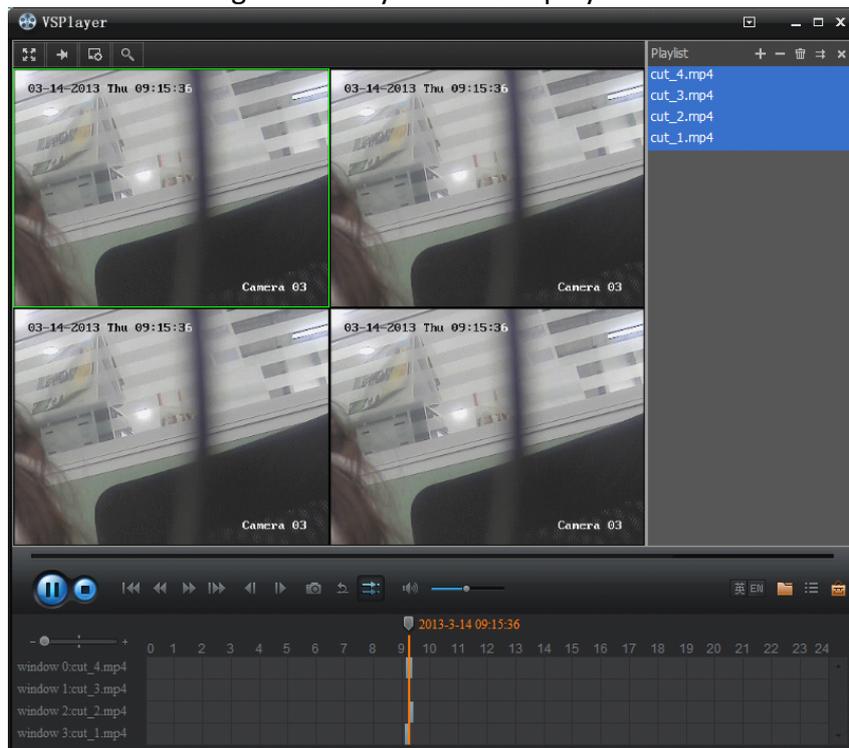


Figure 3-18 Synchronized playback(OSD same)

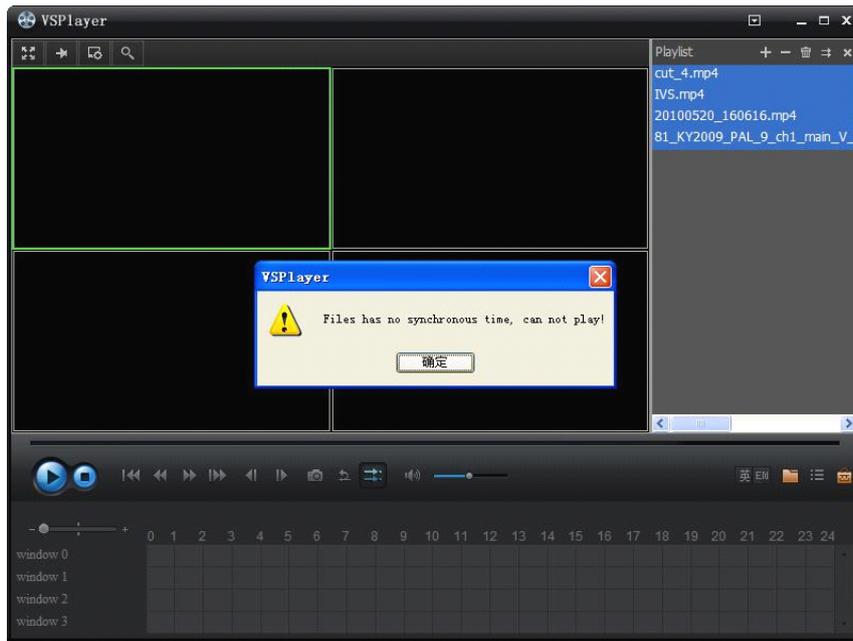
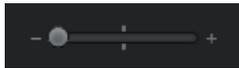


Figure 3-19 Synchronized playback fail

### Synchronous Playback Control



Can be used to accurately synchronized playback file time.

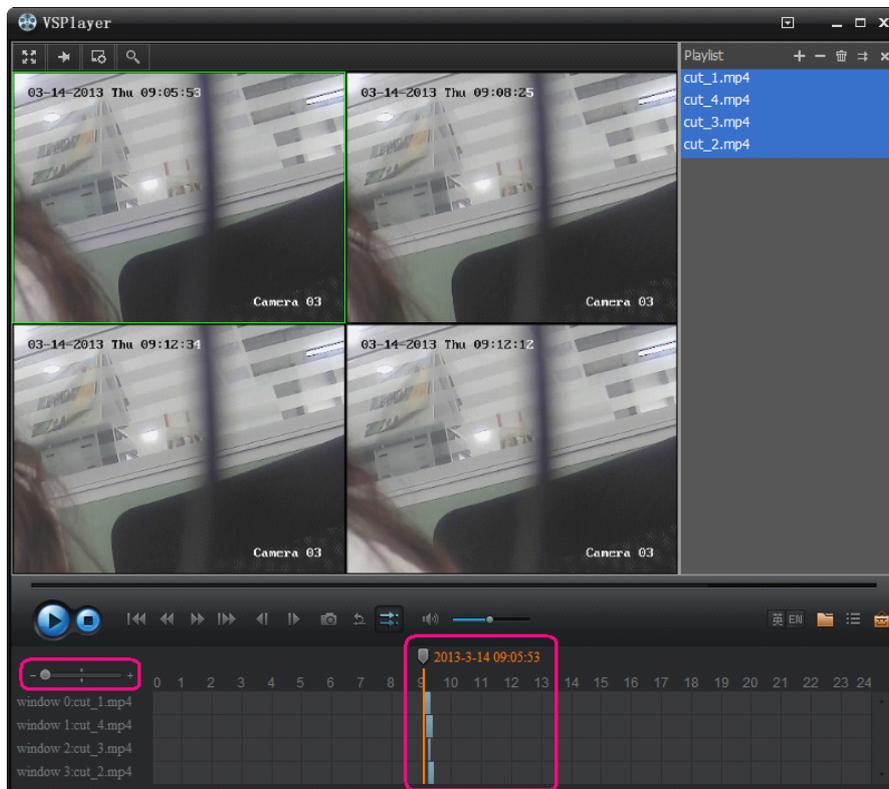


Figure 3-20 Synchronized playback (before)

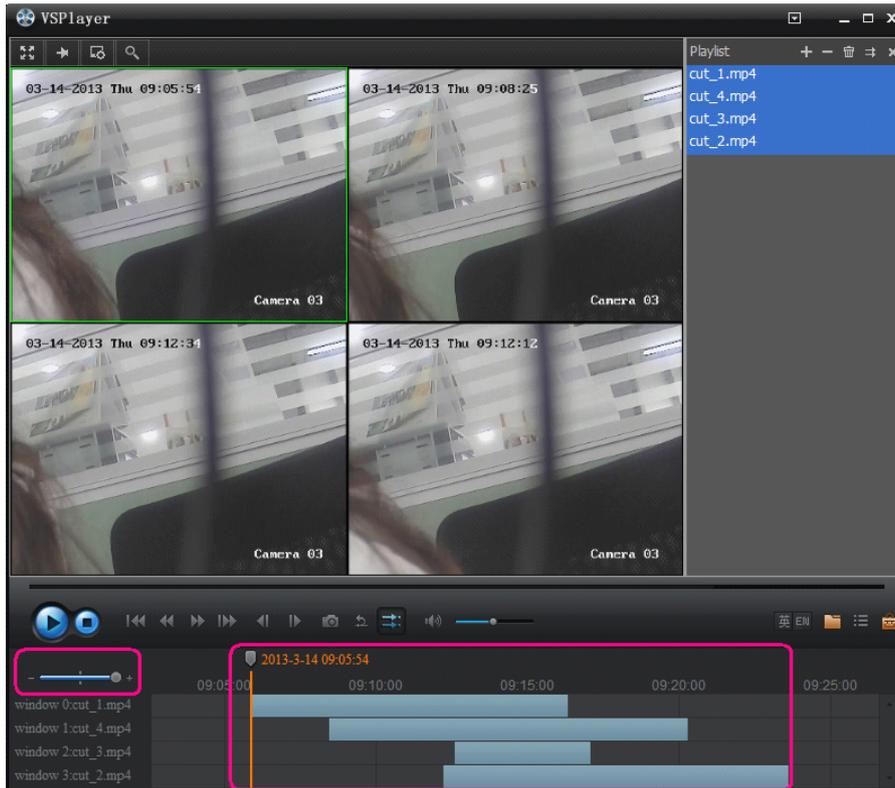


Figure 3-21 Synchronized playback locate(after)

Drag the button  can locate the synchronized time.

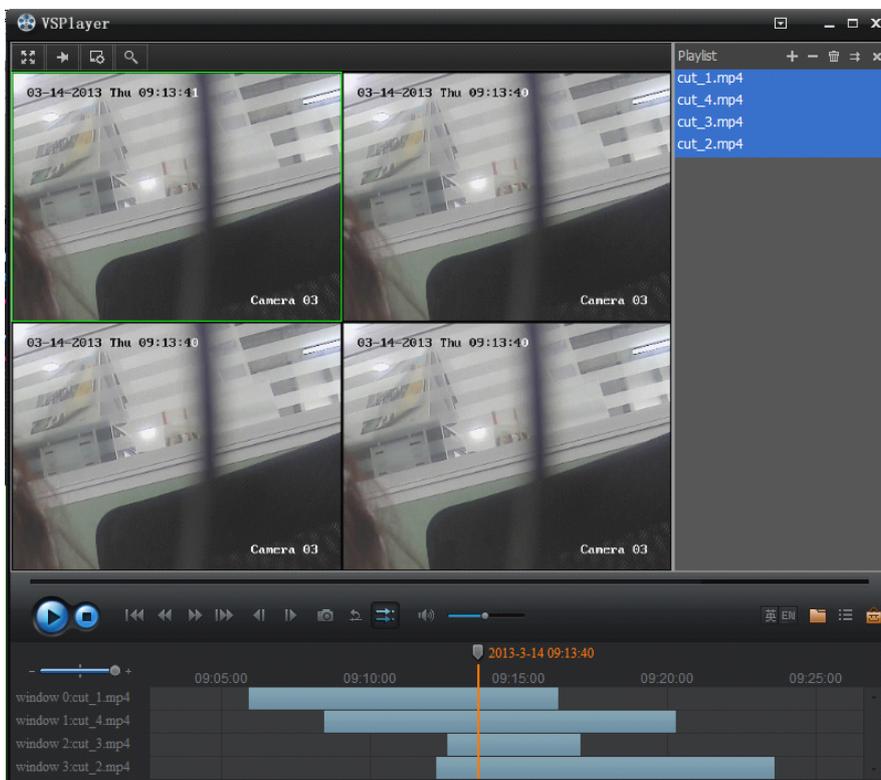


Figure 3-22 Synchronized playback locate

## 3.3 Tools

### ***Purpose:***

Under the ***Tools*** menu, you are able to capture the picture by using the ***Capture*** or ***Continuous Capture or Cut file or Merge file or Convert file or Part***.

Capture allows you to snapshot the image and save it at the specific path.

Continuous Capture snapshots the image continuously at a speed of one picture per second, and save them at the specific path.

There are three ways for you to capture the image.

- Click  on the top right corner, and go to ***Tools-> Capture/Continuous Capture***.
- Right click on the play window, and go to ***Capture or Continuous Capture***.
- Click  on the play control bar list to capture the picture.
- Click  on the low right corner, and select Capture or Continuous Capture.

The captured file can be saved at the specific path in different format (BMP or JPEG) by the configuration in the Player Settings. Please refer to the figure below.

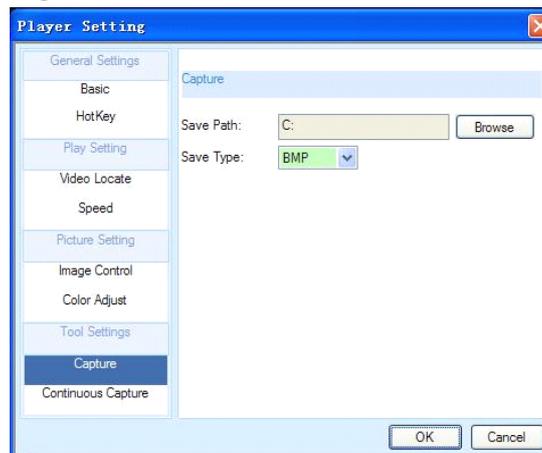


Figure 3-23 Capture

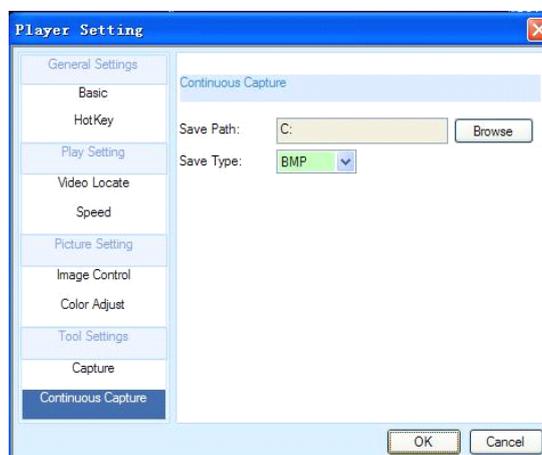


Figure 3-24 Continuous Capture

### 3.3.1 Cut

**Purpose:**

You can cut the part of the file . Please refer to the pictures below.

- Click  on the top right corner, and go to **Tools-> Cut**.
- Click  on the low right corner, and select **Cut**.

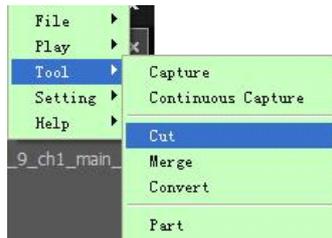


Figure 3-25 Cut

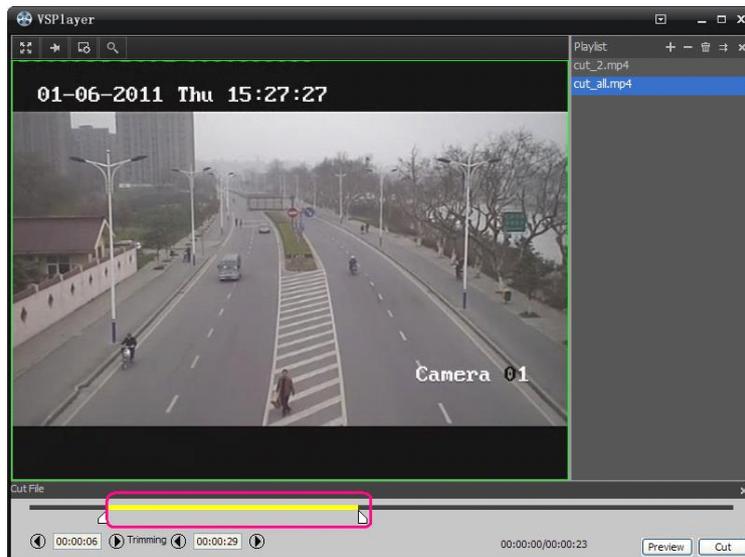


Figure 3-26 Cut File

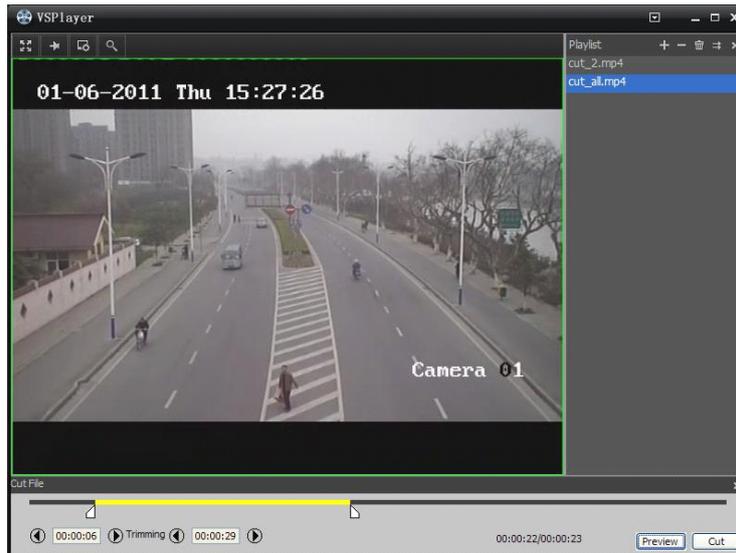


Figure 3-27 Cut File(Preview)

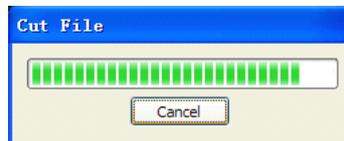


Figure 3-28 Cutting



Figure 3-29 Cut File Success

### 3.3.2 Merge

**Purpose:**

You can merge the files of the merge file list . Please refer to the pictures below.

- Click  on the top right corner, and go to **Tools-> Merge**.
- Click  on the low right corner, and select Merge.

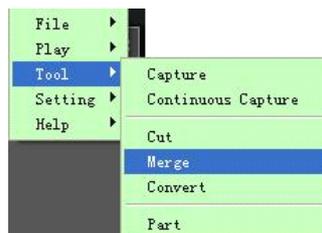


Figure 3-30 Merge File

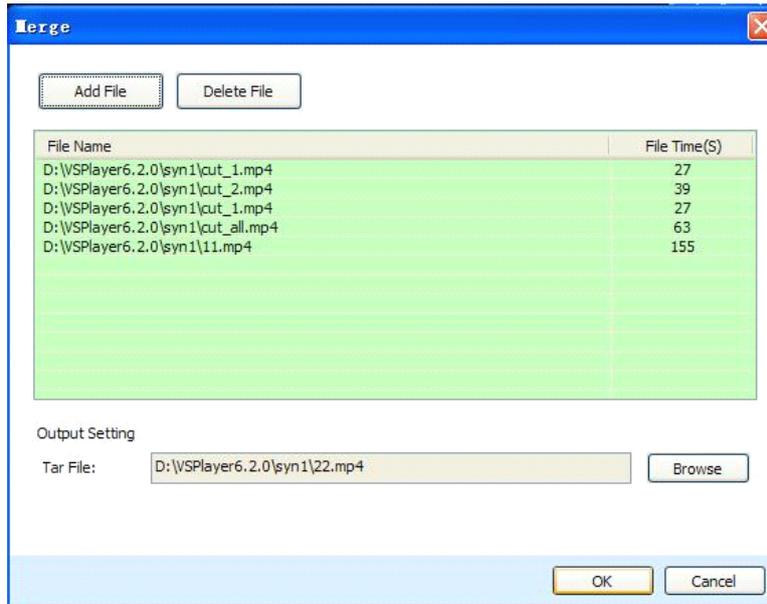


Figure 3-31 Merge File(Add File)

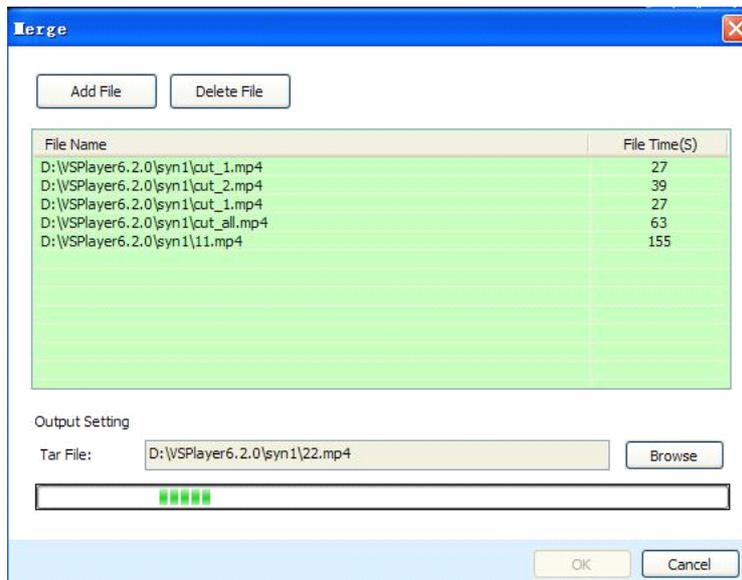


Figure 3-32 Merging



Figure 3-33 Merge Success

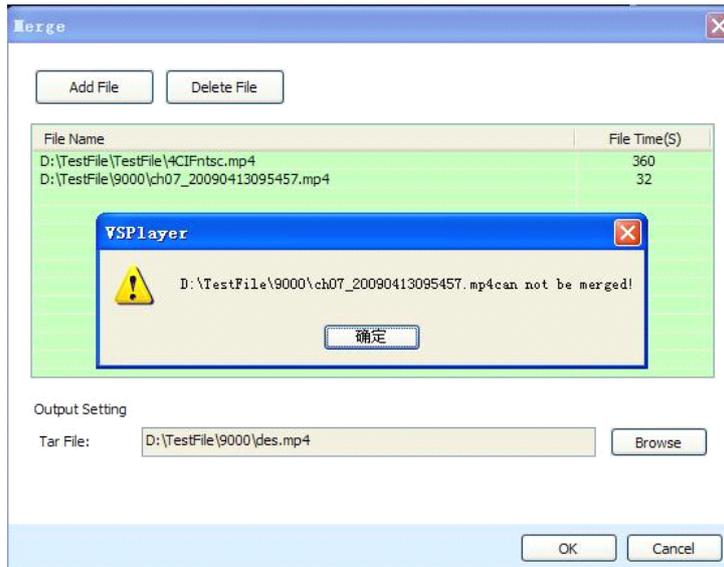


Figure 3-34 Merge Fail

**Notes:**

File merge only support the file system format and encoding format is same.

### 3.3.3 Convert

**Purpose:**

You can convert the file to the file of other system format and other encode format(Only support AVI format currently version) . Please refer to the pictures below.

- Click  on the top right corner, and go to **Tools > Convert**.
- Click  on the low right corner, and select **Convert**.

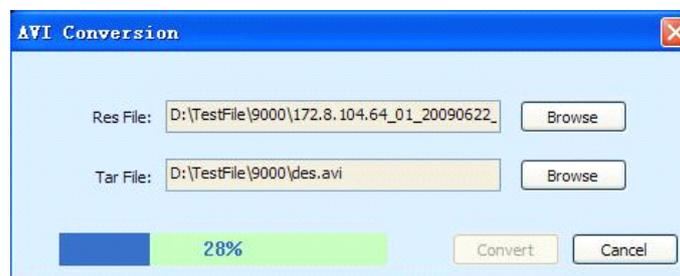


Figure 3-35 Convert File



Figure 3-36 Convert File Success

### 3.3.4 Part

**Purpose:**

You can zone magnify the part of the display on the display window screen.. Please refer to the pictures below.

- Click  on the top right corner, and go to **Tools-> Part**.
- Click  on the low right corner, and select **Part**.
- Click  on the left corner.

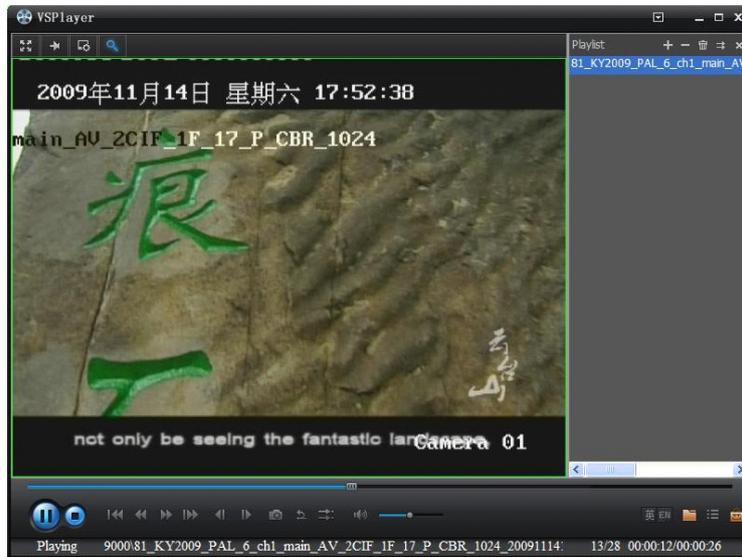


Figure 3-37 Zone Magnify(normal)



Figure 3-38 Zone Magnify(magnify)

**Notes:**

Press and hold the left mouse button, slide the mouse wheel zoom in on the current region. Drag the display window select magnify zone.

## 3.4 Settings

### **Purpose:**

You can configure general settings, Play Settings, Picture Settings, and Tool Settings from the Play Setting interface. Please refer to the pictures below.

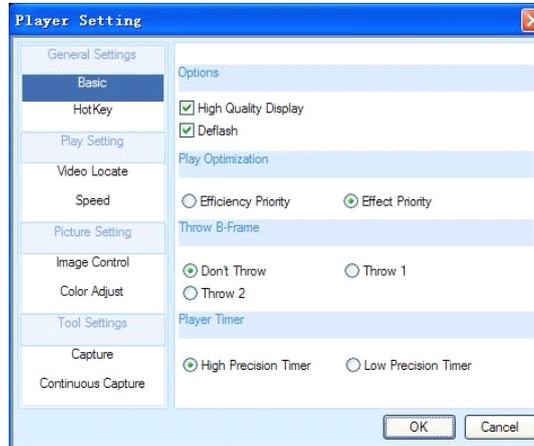


Figure 3-39 Player Settings

### 3.4.1 General Settings

#### **Basic**

- **Option (Coming Soon)**

**Check High Quality Display** and **Deflash** are configurable.

If **Check High Quality Display** is selected, the CPU usage is higher, and the image quality is better. If there are several VSPlayers playing together, you can uncheck the check box to lower the CPU usage.

If there is some noise in the still image, the video presents a slight flash or refresh. If the **Deflash** function is enabled, the flash or refresh will be eliminated or improved, and the noise will be reduced as well.

- **Play Optimization (Coming Soon)**

Efficiency Priority ensure the fluency is prior during the playing

Effect Priority ensures the effect of the image is prior during the playing.

- **Throw B-Frame**

Throw B-Frame is used to ensure the file fluency. **Don't Throw**, **Throw 1** and **Throw 2** are selectable. Throw 1 and Throw 2 are preferred if the fluency is not so satisfied.

- **Player Timer**

**High Precision** and **Low Precision** are selectable. High precision is used when the image quality is prior. And the Low precision is used when the file fluency is prior.

#### **Hotkey/Mouse**

Hotkeys are sometimes referred to as shortcut keys because of their ability to easily trigger an action. The VSPlayer provides many hotkeys for better operation. Please refer to the figure below.

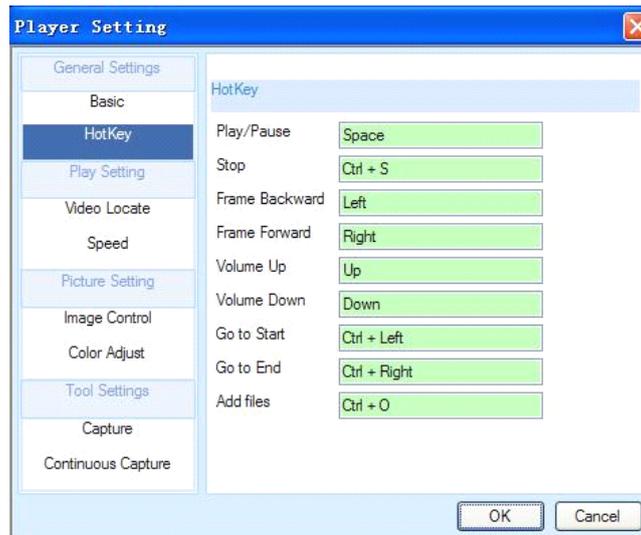


Figure 3-40 Hotkeys

### 3.4.2 Play Settings

Please refer to *Chapter 0 Locate the file* and *Chapter 3.2.3.4 Speed Up/Speed Down*.

### 3.4.3 Picture Settings

Please refer to the Image Control and Color Adjust sections in *Chapter 3.2.3.6 View*.

### 3.4.4 Tool Settings

Please refer to *Chapter 3.3 Tools*.

## 3.5 Help

***Purpose:***

You can check the software version and hotkeys from the Help menu.

- About

The current software version will be listed if you go to ***Help***, and click ***About***.

- Hotkeys

Please refer to Hotkey/Mouse section in ***chapter 3.4.1 General Settings***.