BlueEyes®

Montage

Manual

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www.BlueEyes.com.tw

Manual

❑ Blueeyes Montage (Film Editing Software)

Thank you for using the product of BlueEyes Technology.

The manual will introduce the product of BlueEyes Technology. Please read the manual before you start using the product.

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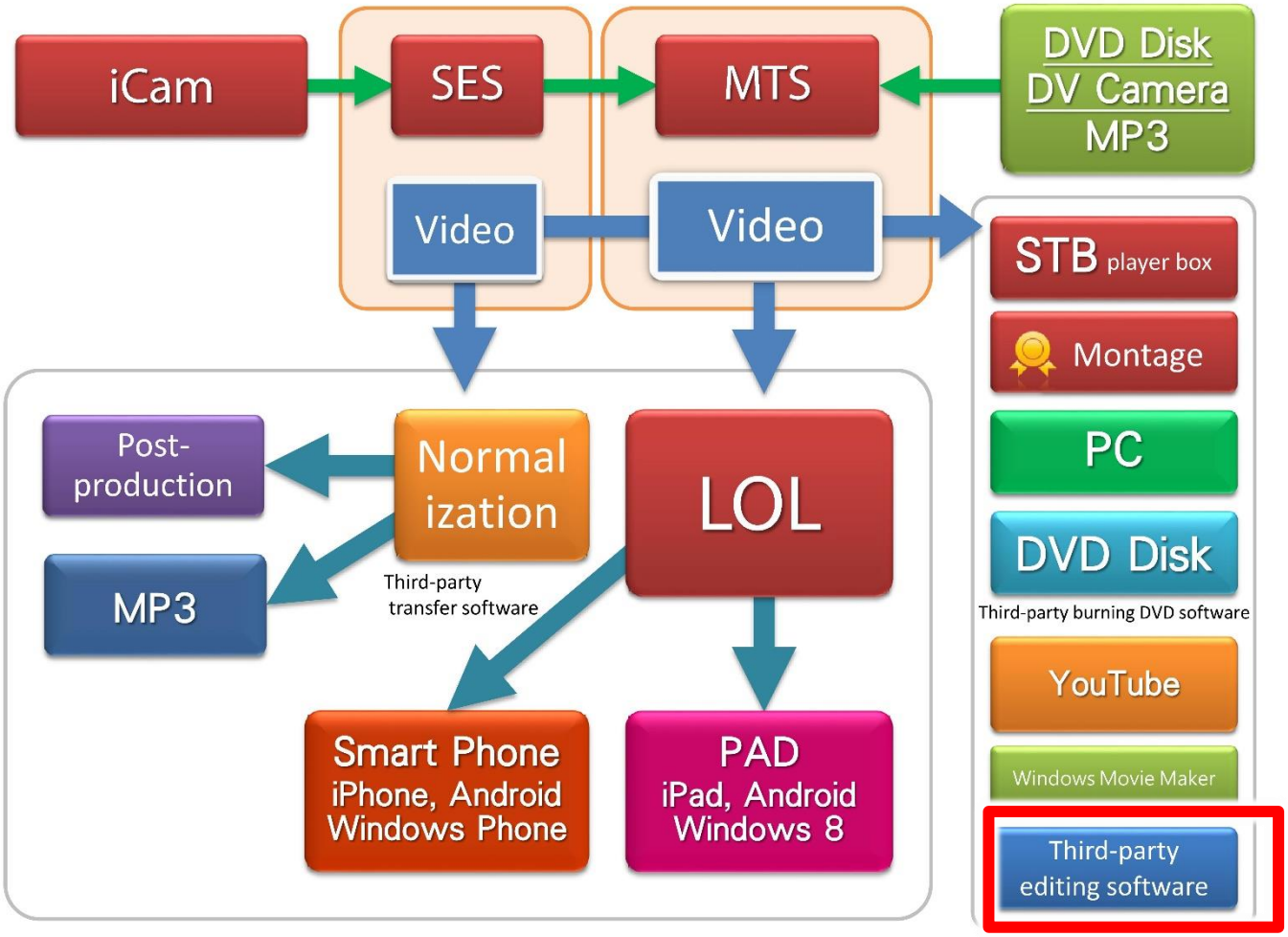
1. Preparation work

1.1 What is lossless editing?

Most of the editing software on the market would damage the film while editing. The quality of the edited film is worse than the original one as the film was compressed during editing. BuleEyes Technology can do the lossless editing, no matter how many times you split and join the film, it would not influence the quality. BlueEyes team develop the lossless editing software called *Montage*.



1.2 Composition

Montage is composed with three parts: splitting/ merging, mixing iFollow video and chapter editing.

1.3 Computer Level

As the picture shown, when you are editing, you must prepare a higher level PC. It can save lots of your time especially when you have the PC with fast CPU and large memory.

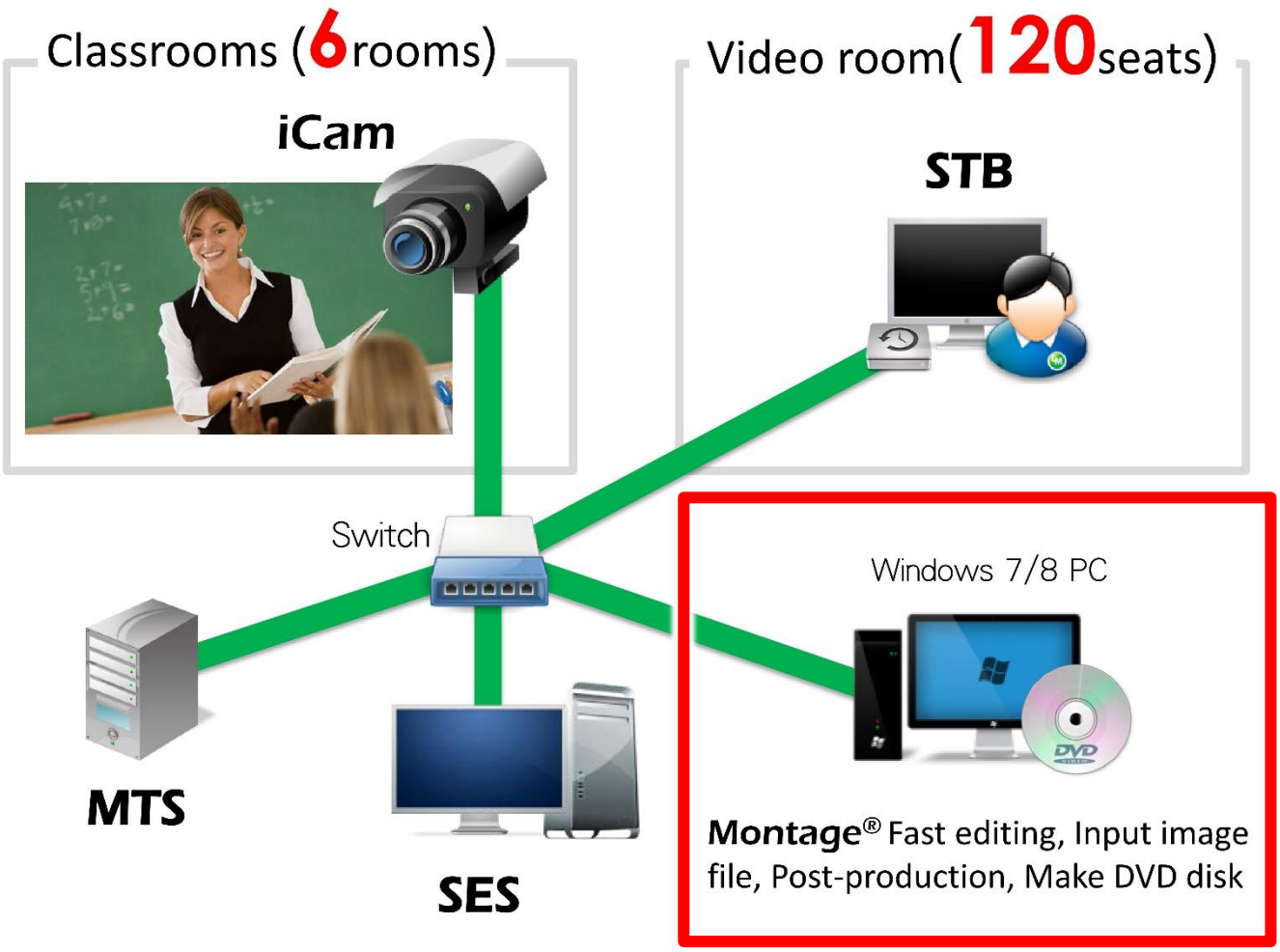
★ ★

PC Level Recommended:

- Central Processing Unit(CPU): Intel Core i7
- Memory: 8GB RAM
- Hard Disk: SATA III 2TB(Revolutions 7200rpm)
- Independent Video Card: 2GB RAM
- DVD player
- Operating System: original Microsoft Windows 7/8 Professional 64-bit
- Monitor: over 1920x1080 pixel resolution

★ ★

1.4 Structure



2. Software Installation

Please prepare another computer to edit the film. Do not use PC for SES system. If edit and record at the same time, the hard disk would become too busy and influence the quality of editing and recording.

2.1 Notice

- Please prepare another computer to edit the film. Do not use PC for SES system. If edit and record at the same time, the hard disk would become too busy and influence the quality of editing and recording.
- Caution! If you use iCam I(MP4) or SES 1.0, you cannot use Montage.

To make the installation and usage more convenient, please turn the UAC user's account control of the operating system.

1. Enter to the control panel, click "User Accounts and Family Safety."
2. Then click "User's Account"
3. Find the "Change User Account Control Settings," click enter.
4. Slide the cursor to "no notice," then click OK. It would notice you to enter the password or confirm, please enter the password or correct information. You need to restart the computer then you can turn the UAC off.

2.2 Put in the Disk

Please put the install disk in PC.

2.3 Turn off the User's Account Control (UAC)

Turn the UAC off. Please double click the DisableUAC-Win7.reg in 00_UAC of the disk. Apply the setting then restart the computer.

2.4 Install MKV Filter

To install MKV Filter, please double click the MatroskaSplitter.exe in 01_MKVFilter.

2.5 Install Montage Software

To install the software, please double click the Montage Setup.exe in 02_inatall file.

2.6 Open Montage Software

USB key insert to Computer→Open Montage

Please adjust the computer monitor to over 1440x900 resolution to open the software. If the resolution is too low, it may cause infelicitous typesetting.

The computer must insert USB key to open Montage.

3. Trial version

3.1 Limitation

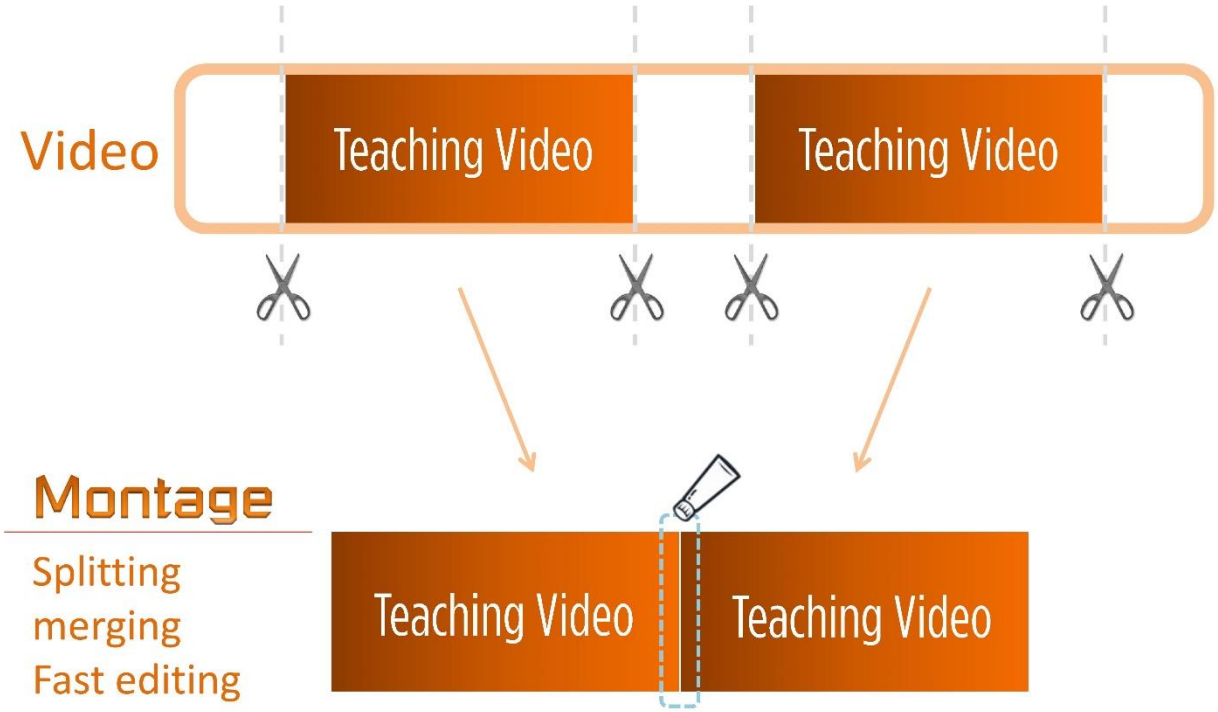
Trial version work without USB key. However, it has 2 limitation.

1. The limit of the trial version is one hour for each time.
2. You can online input the video within 15 minutes.

3.2 Instructions

The usage of the trial and the official version is the same.

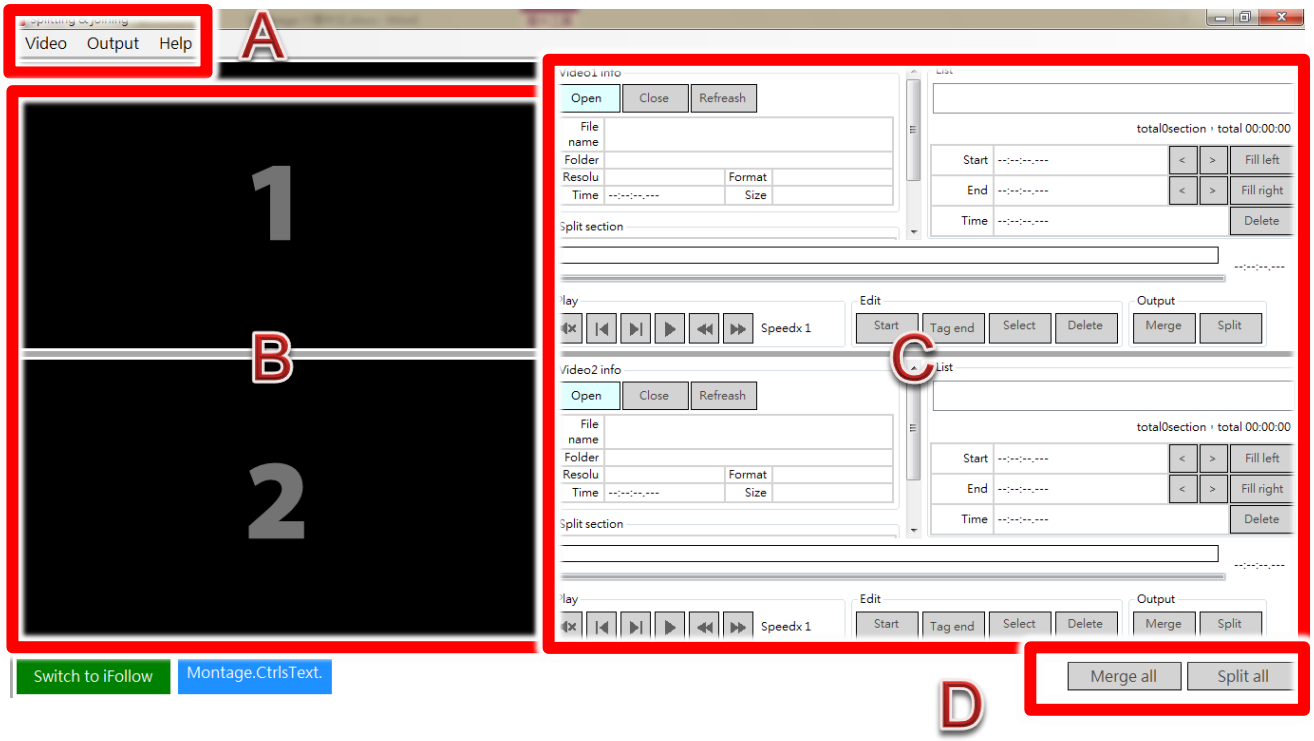
4. Splitting and Merging



4.1 Operating interface

4.1.1 Interface

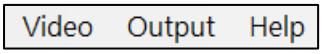
The interface of splitting and merging the film is composed with 6 parts: toolbar, video 1 interface, video 2 interface, video 2 edit interface, and video output.



A	Toolbar
B	Video interfaces 1, 2
C	Video controlling and editing interface 1, 2
D	video output

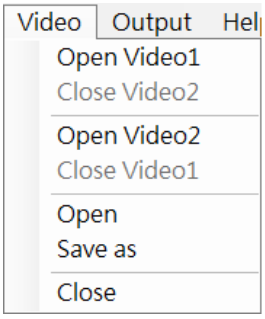
4.1.2 Toolbar

Including Video, Output, and Help.



A. Video

Including Open Video 1, Close Video 1, Open Video 2, Close Video 2, Open, Save as, and Close.

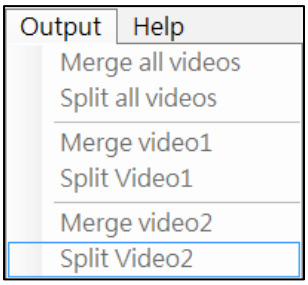


Open	After saving the edited file, you can open the project again to edit, so you don't have to re-edit.
Save as	Save the edited file

Open and close of the video are also in the video editing interface.

B. Output

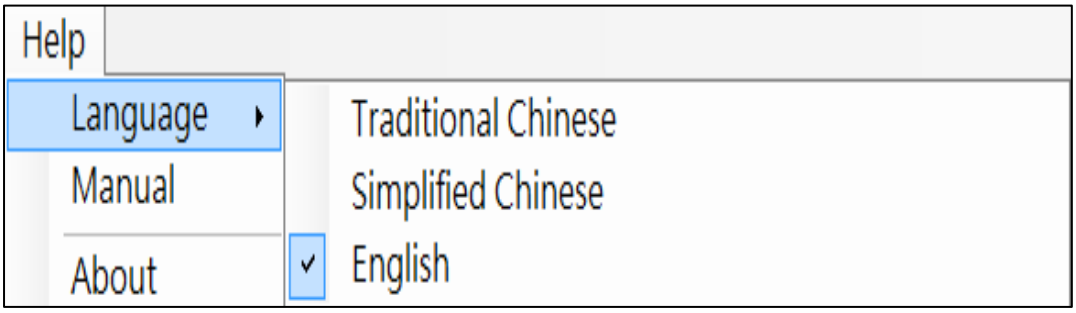
The Output includes Merge/Split all videos, Merge/Split Video 1, Merge/Split Video 2.



If you didn't mark the edit section (timeline is empty), you can't merge or split the film,

C. Help

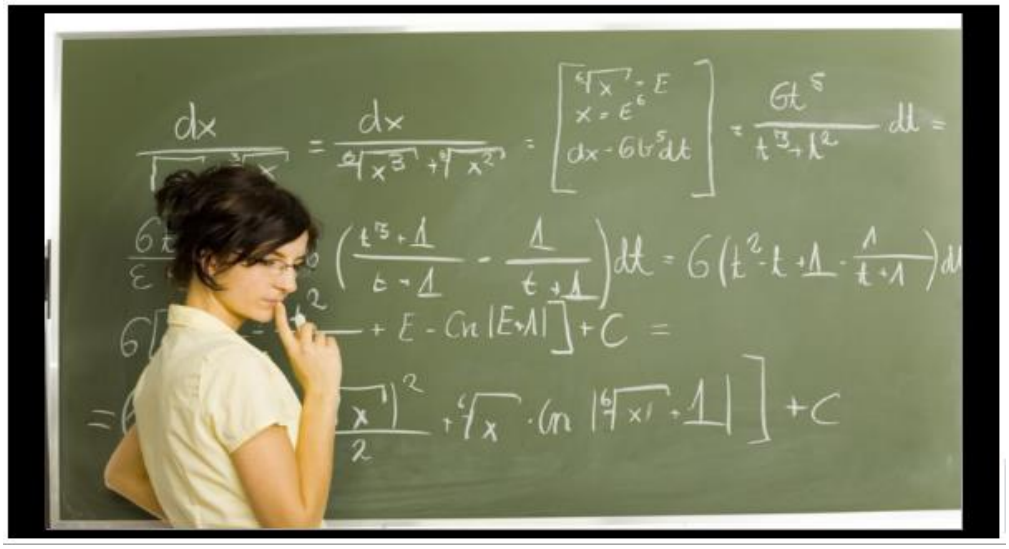
Help includes language, manual and about.



Language	You can change to English, traditional Chinese, and simplified Chinese.
Manual	You can read the manual of the software.
About	If you have any problem of the software, there are some ways to contact us.

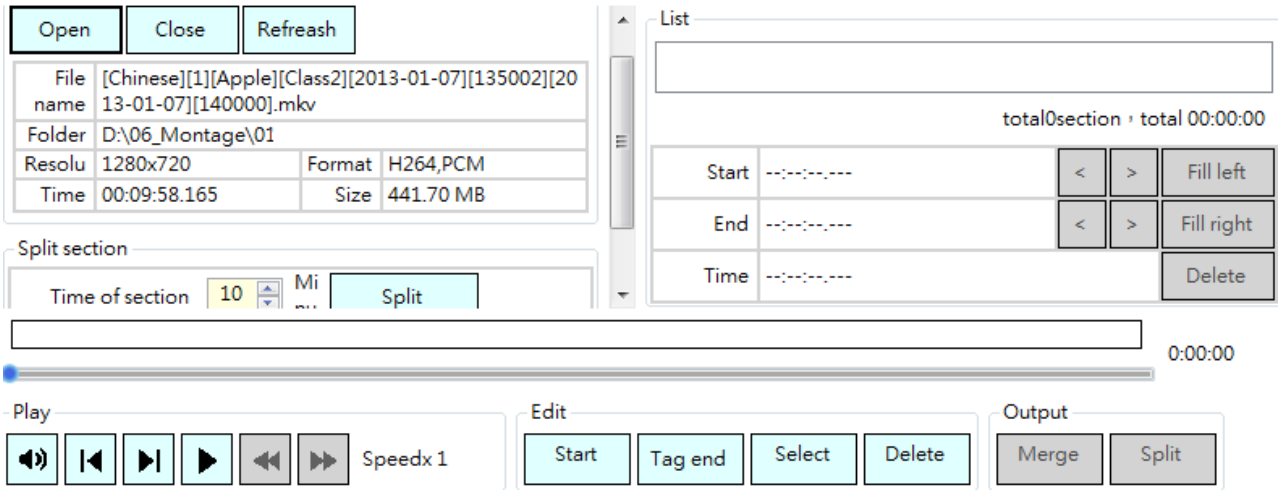
4.1.3 Video Interface

Open video 1/2, you can see video 1/2 in the video interface.



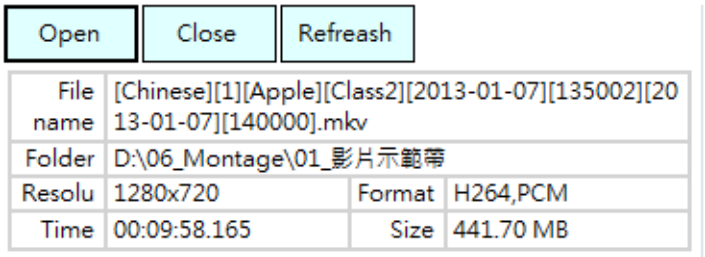
4.1.4 Video Editing

The video editing is composed with video information, editing list, sections, timeline, and output.



A. Video information

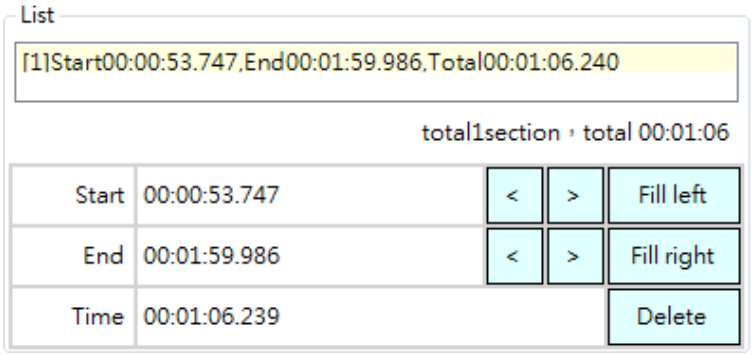
Video information includes Open, Close, File name, Folder, Resolution, Format, Time, and Size.



Open	Open one video
Close	Close one video
File name	Show the file name of the video The format is [lesson] [chapter] [teacher] [class] [class begin date] [class begin time] [class over date] [class over time].mkv
Folder	Show the folder of the video file
Resolution	Video Resolution
Format	The compressed format of the video and audio
Time	Video length (hour; minute; second; millisecond)
Size	Size of the file

B. Editing List

Editing list includes editing information, fill left, fill right, and delete.



List	Marked section
Section	Show the number of the sections, video length(hour; minute; second; millisecond)
Start	Select start time
End	Select end time
Time	Select the time length of the video
Delete	Select the section you want to delete
<	After selecting the section, adjust forward the start time or the end time.
>	After selecting the section, adjust backward the start time or the end time.
Fill Left	Fill left the selected film
Fill Right	Fill right the selected film

C. Split

Choose the time of section to split the video. After clicking “split,” you will see the timeline with split sections.

Section length should be at least 10mins to the most 240mins, and 10min for interval.

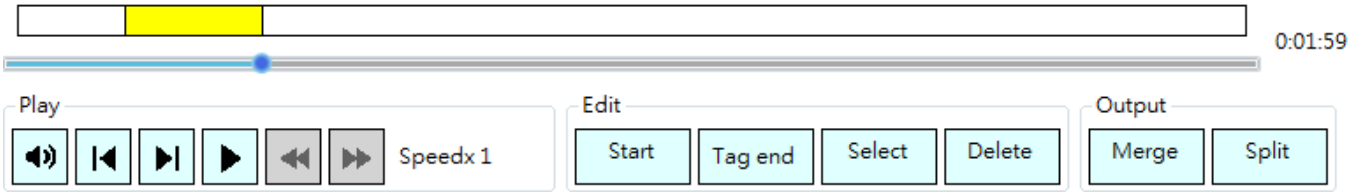
D. Review Video

You can review the video for seconds earlier from the editing section.

The range of the review section length is at least 5sec to at most 60sec.
The review section is only for splitting the section.

E. Timeline section editing

You can merge the selected sections to one film or split into several ones according to the time sections you need.



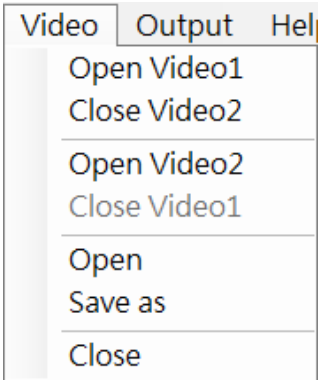
Play	Mute	Sound on/off
	Backward	Playing backward
	Forward	Paly forward
	Play	Start playing or pause
	Speed	Adjust playing speed(Speed up:x1, x1.2, x1.5, 1.7, x2, x3, x4, x8; Speed down: x1/2, x1/4, x1/8)
Edit	Tag start	Tag start time

	Tag end	Tag end time
	Select all	Select all video
	Delete all	Delete all selected section
Output	Merge	Merge the selected sections into one video
	Split	Split the selected sections into several videos

When speeding up and slowing down the video, you would not hear the sound.

F. Project (.tag file)

Save the edit video as project (.tag file), and open the project to edit again.



Project (.tag file) is made from the position of the file. If you move the file, you cannot edit the project.

4.1.5 Video Output

Click <Merge> or <Split> to output the video after editing.

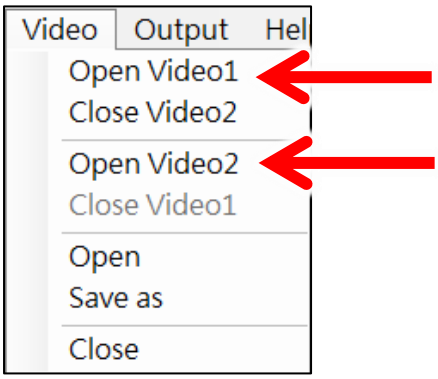
Button	Source	Output video number	Output video format
Merge	Video 1 or Video 2	one	MKV
Split	Video 1 or Video 2	Several, depend on the sections	MKV
Merge all	Video 1 + Video 2	one	MKV
Split all	Video 1 + Video 2	Several, depend on the sections	MKV

4.2 Instruction

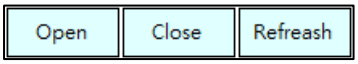
4.2.1 Open Video

There are two methods to open the video

[Method 1] Click <Video> → <Open Video1> or <Open Video2>



[Method 2] Click <Open> in video 1 or video 2



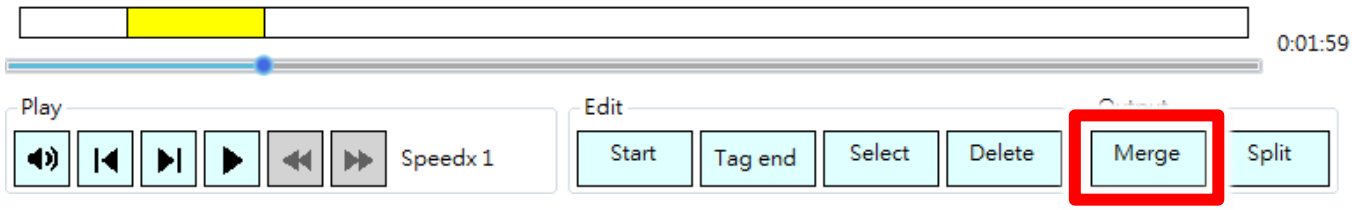
The video should be longer than 3 minutes when splitting and merging the film in Montage.

4.2.2 Tag

Tag the section of the editing video

Method 1: Use <Tag Start > and <Tag Split> in the editing interface.

Method 2: Use <Tag Start > and <Tag Split> in the editing timeline. Also, you can drag the section (from right to left) in the timeline.



Usage of timeline:

Item	Color	Instruction	Description
Preselect section	Yellow	Preselect the section from right to left	You can edit the preselect section
Editing section	Blue	Preselect finish	The content for output
Delete section	Red	Delete the section from left to right	Delete the edit film
Merge section	Green	Merge over two sections	Merge over two sections

4.2.3 Output

Split or merge the selected sections into new video

One film	Merge	Select [Merge] to merge the selected sections into one video
	Split	Select [Split] to split the selected sections into several videos

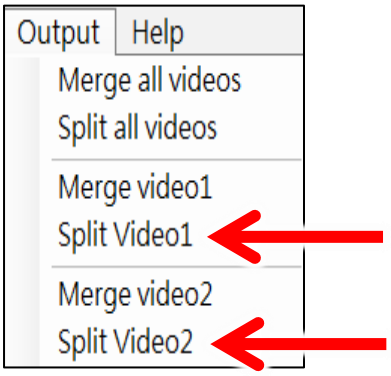
All videos	Merge all	Select [Merge all] to merge the selected sections in all videos into one video
	Split all	Select [Split all] to split the selected sections in all videos into several videos

A. Splitting

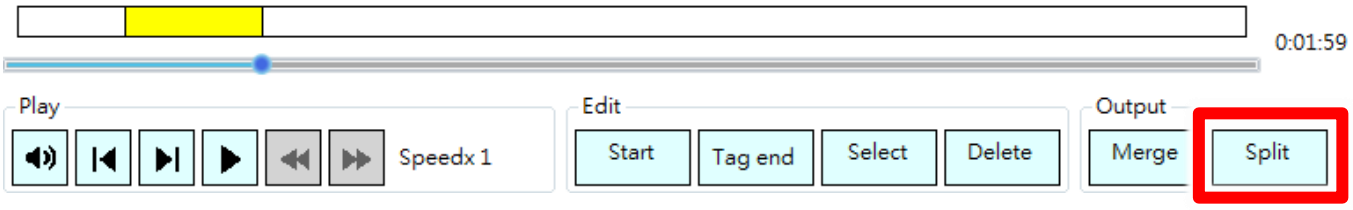
Split the selected sections into several videos

※ Splitting for one video

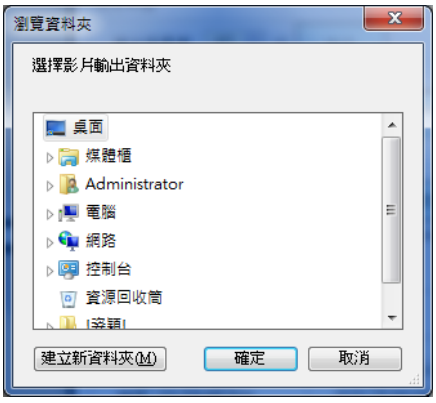
Method 1: Click <output> → <Split Video 1> or <Split Video 2>



Method 2: Click <split> in the timeline

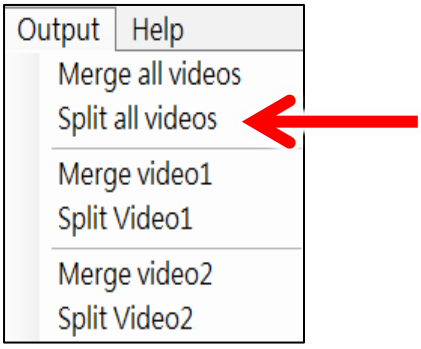


When output the split video, the system would automatically give a file name according to the original file. The users cannot name it themselves, but can only choose the output folder.

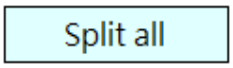


※ Split all videos

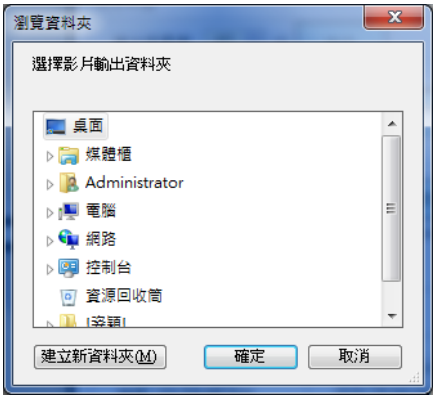
Method 1: click <output> → <split all videos>



Method 2: Click <Split all> on the right-bottom corner of the interface.



When output the split video, the system would automatically give a file name according to the original file. The users cannot name it themselves, but can only choose the output folder.

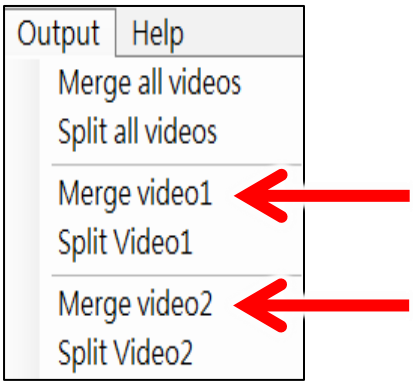


B. Merge

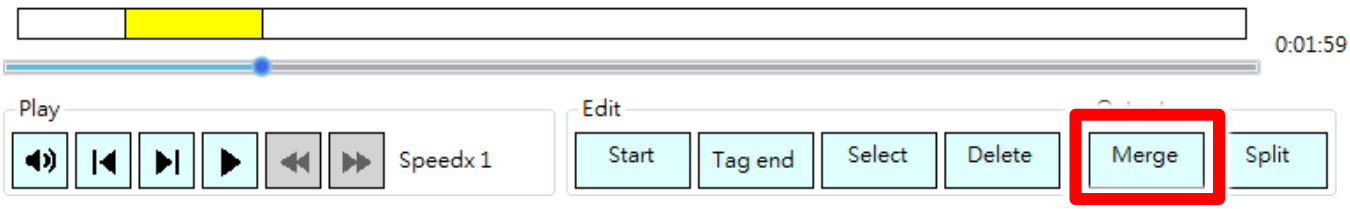
Merge is to combine the selected sections into one new video.

※ Merge one video

[Method 1] click <output> → <Merge video 1> or <Merge video 2>

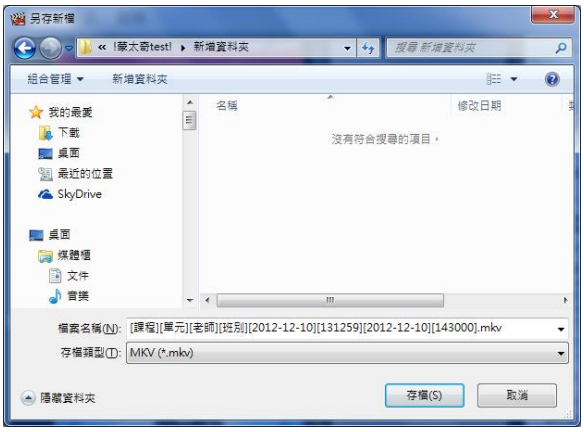


[Method 2] click <Merge> on the right-bottom corner of the timeline



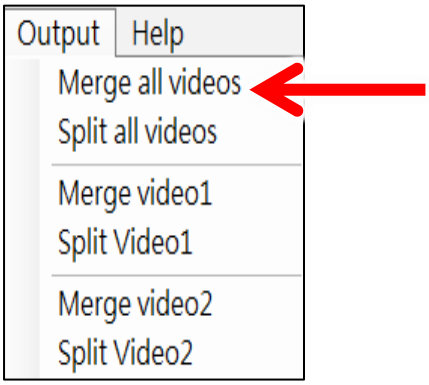
When output the merge video, the file name would be [lesson] [chapter] [teacher] [class] [class begin date] [class begin time] [class over date] [class over time].mkv

Users can change the file name and output folder by themselves.

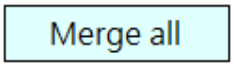


※ Merge all videos

Method 1: click <output> → <merge all videos>

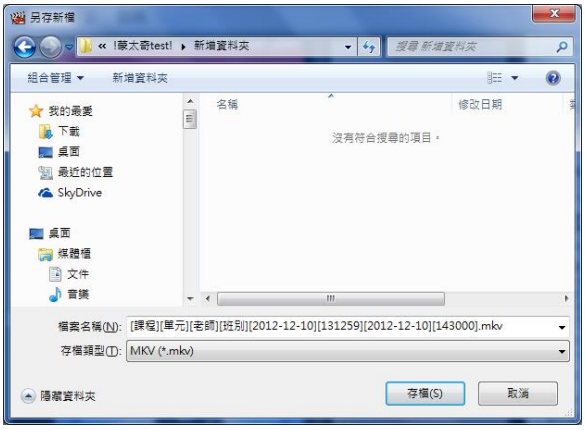


Method 2: click <merge all > on the left-bottom corner of the interface



When output the merge all video, the file name would be [lesson] [chapter] [teacher] [class] [class begin date] [class begin time] [class over date] [class over time].mkv

Users can change the file name and output folder by themselves.



【Edit file name and Select output file】

	Edit file name	Select output file
Merge	○	○
Spilt	X	○
Merge all	○	○
Spilt all	X	○

4.3 Time estimates (Split/Merge)

The estimate time of open and output the video when using Montage (rough estimate)

4.3.1 Open video time (Split/Merge)

The time to open the video when using Montage:

Video length	1 hour	2 hours	3 hours	4 hours
Input analysis time	20 sec	35 sec	45 sec	60 sec

* Minimum H/W requirements: Intel Core i7 CPU, 8GB RAM, Windows 7 64bit

4.3.2 Output video time (Split/Merge)

The time to output the edited video when using Montage:

Video length	1 hour	2 hours	3 hours	4 hours
Output tome	40 sec	2 min 35 sec	4 min10 sec	5 min20 sec

* Minimum H/W requirements: Intel Core i7 CPU, 8GB RAM, Windows 7 64bit

4.4. Procedure to edit the SES videos

Prepare a computer and install Montage to edit SES video. You need USB to copy the video from SES to the computer with Montage to edit.

4.4.1 【Step 1】Copy Video

Insert USB to SES, and copy the video to USB.

4.4.2 【Step 2】Edit the video

Insert the USB to the computer which is install Montage software, and open Montage to do the editing. After editing, copy the video to USB.

4.4.3 【Step 3】Copy to D Disk

Insert the USB back to SES PC, and add a new folder called [Input]. Then copy the file to the

folder.

4.4.4 【Step 4】Input Data

Click <input video> in <video>, then input the file in [Input] to SES.

4.5. Procedure to edit the FL videos

Prepare a computer and install Montage to edit FL video. You need USB to copy the video from FL to the computer with Montage to edit.

4.5.1 【Step 1】Set up Network drive

Click [start]→ [implement] and enter the FL IP address in start blank, the preset is file://192.168.1.170. Then enter the account (admin) and password of FL.

4.5.2 【Step 2】Open Video

Open video file at FL

4.5.3 【Step 3】Video editing

Edit videos by Montage

4.5.4 【Step 4】Video output

Set up【input】file folder at FL (file name can modify). The video after editing will output to this folder directly.

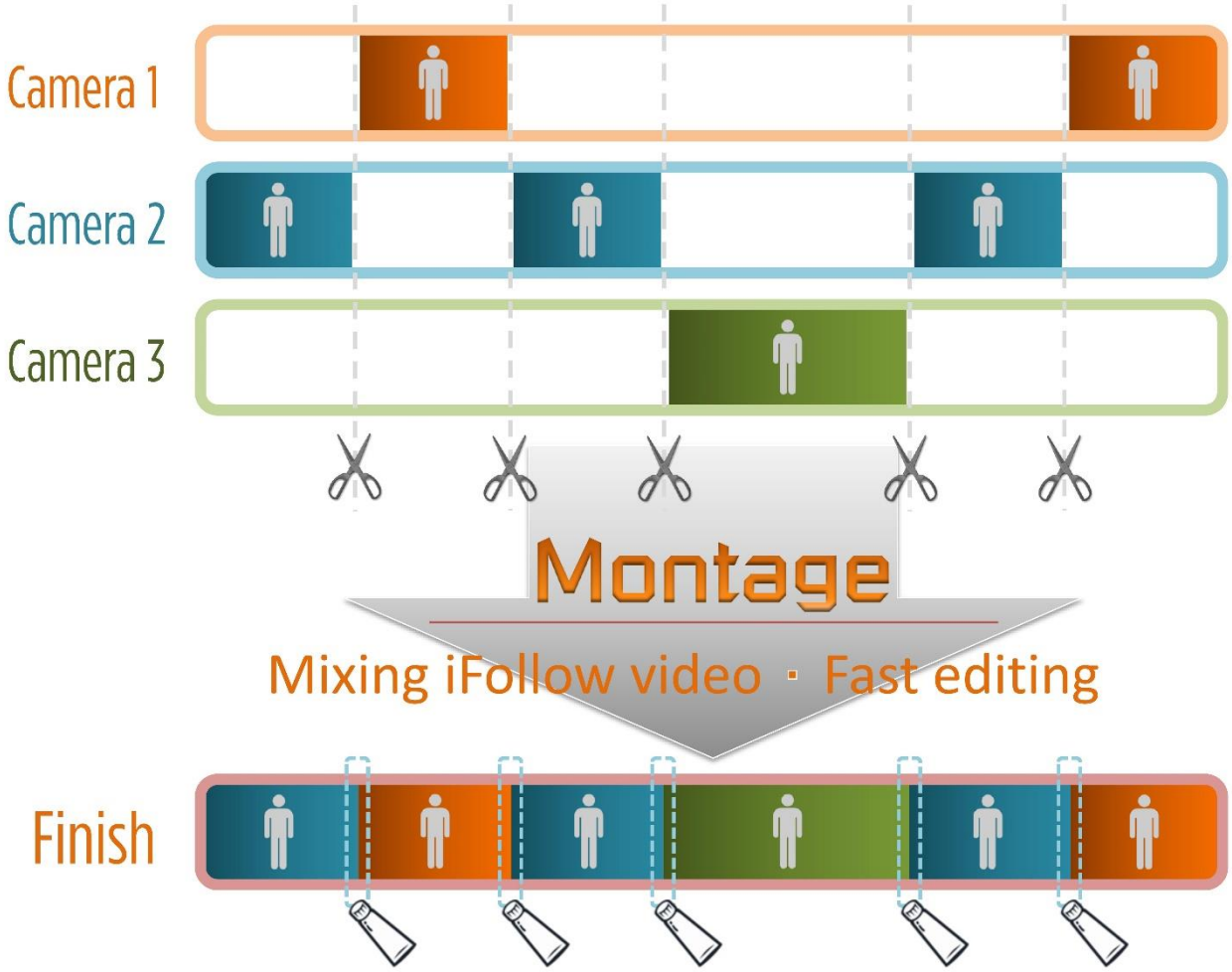
4.5.5 Have many STB

If you have many STB, or use Montage very often, saving the files with FL through Network Neighborhood may speed down the speed. We advise you to alleviate FL's burden.

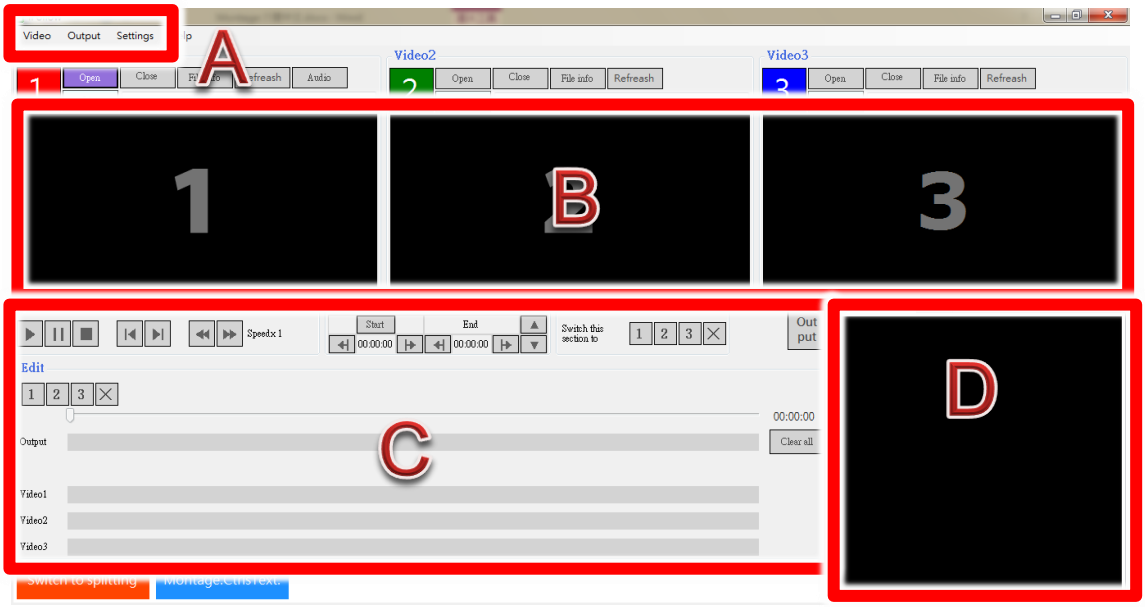
- ➔ Set the SES to automatically upload to PC with Montage (network drive)
- ➔ Upload the edited video to FL through FileZilla
- ➔ Transfer→speed limit→configuration, upload setting 3000KiB, and limit upload

bandwidth.

5. Mixing iFollow Videos



5.1 Operating Interface



A	Toolbar
B	Video interface
C	Video control and edit interface
D	List of video edit section, passive screenshot

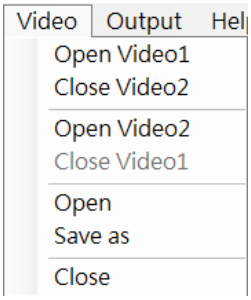
5.1.1 Interface

The interface of mixing iFollow video includes toolbar, video interface1, 2, 3, video editing interface, and video output interface.

5.1.2 Toolbar

A. Video

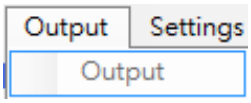
Video includes open video, close video, open, save as, and close.



Open Video	You can choose one or many videos to open at the same time.
Close Video	Close all the videos.
Open	After saving the video file, you can open the file to re-edit.
Save as	You can save the video file
Close	Close Montage.

B. Output

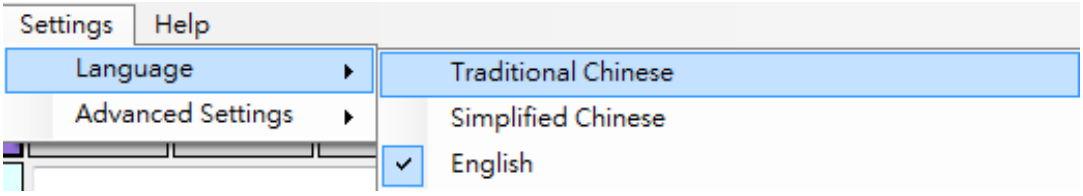
Include the file of output video.



Output: output the edited video to a new file.

C. Language

Choose the language you want, such as tradition Chinese, simplified Chinese, or English.

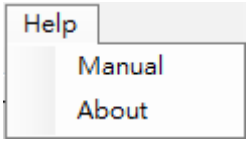


Traditional Chinese	Modify to Traditional Chinese interface.

Simplified Chinese	Modify to Simplified Chinese interface.

D. Instruction

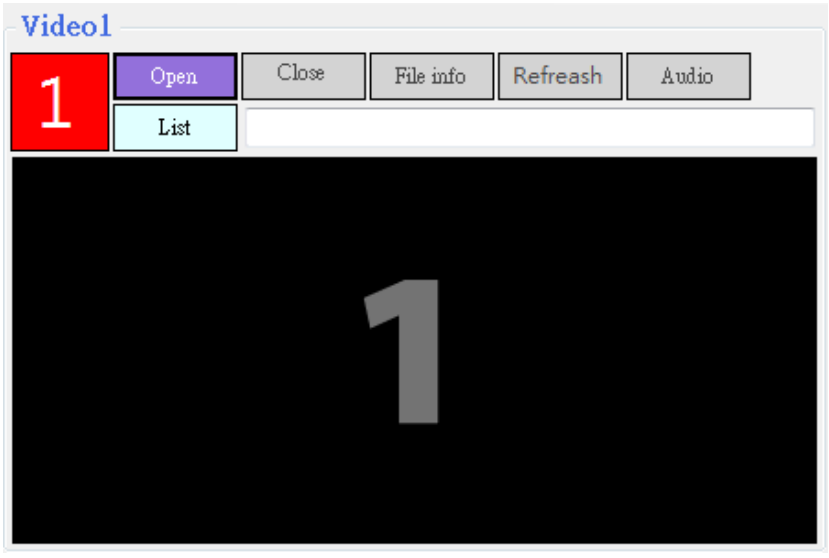
Include manual and about.



Manual	Manual of Montage
About	Company information, including website, telephone, fax, address, service hour, email, and version.

5.1.3 Video Interface

Including video 1~3, open, close, file information, audio, item, play scene.

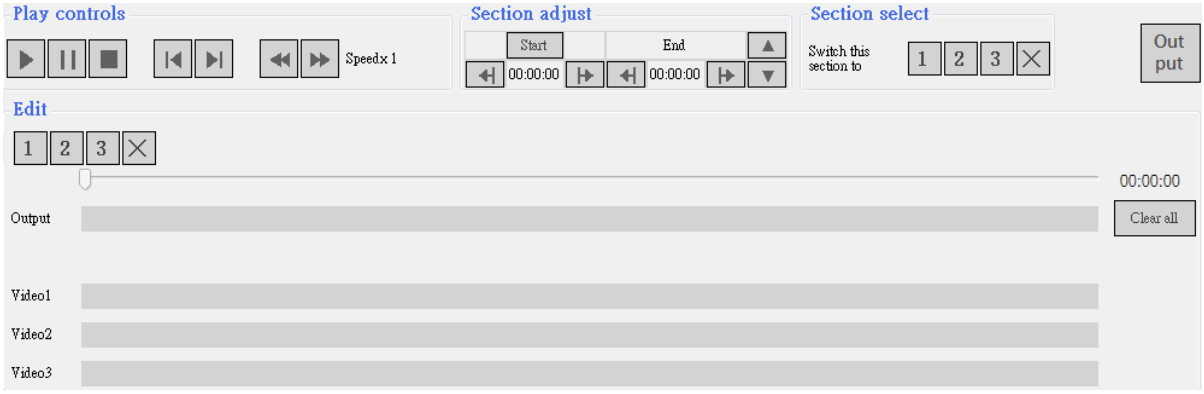


Video1~3	Open the file, from left to right
Open	Open the video file you want to edit, you can only choose one file.
Close	Close the video

File information	Indicate file name, item, resolution, video format, file size, video length, establish time
Audio	Sound on/off
Item	open the folder position
Playing scene	Indicate playing scene 1, 2, 3

5.1.4 Video Editing Interface

Include play controls, section adjust, section select, and edit.



A. Play Control

Include play, pause, stop, one second left, one second right, speed up, and speed down.

Play	Start playing the video, (Hotkey: space)
Pause	Pause the video, (Hotkey: space)
Stop	Back to the video folder and replay
one second left	Forward one second to the left

one second right	Forward one second to the right
Speed up	Speed up the video (x1.2、x1.5、x1.7、x2、x3、x4、x8) ,(Hotkey: +)
Speed down	Speed down the video (x2、x3、x4、x8) , (Hotkey: -)
Speed switch	Hotkey: F1(x1) 、F2(x2)、F3(x3)、F4(x4)、F8(x8)

When speed up the video (x2、x3、x4、x8) or speed down the video (x2、x3、x4、x8), you would not hear the sound.

B. Section Adjust

Adjust the start and end time of single section.

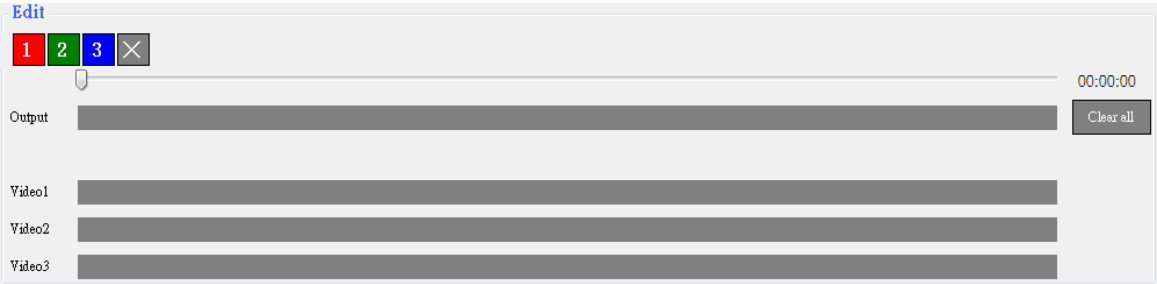
Start	Adjust the start time left or right
End	Adjust the end time left or right
▲	Last video section
▼	Next video section

C. Section Select

Change the section scene 1, 2, 3 or cancel the scene

D. Edit

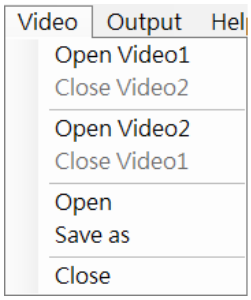
Includes video editing 1, 2, 3, cut-off point, clear all, adjust the section to the left, restore, adjust the section to the right.



Video【1】	Select video 1 section
Video【2】	Select video 2 section
Video【3】	Select video 3 section
Video【X】	Select neither of the 1, 2, 3 sections
Clear all	Clear all edit section
《	Adjust the section to the left
○	Restore to default
》	Adjust the section to the right

D. Project (.tag file)

Save the edit video as project (.tag file), and open the project to edit again.



Project (.tag file) is made from the position of the file. If you move the file, you cannot edit the project.

5.1.5 Video Output Interface

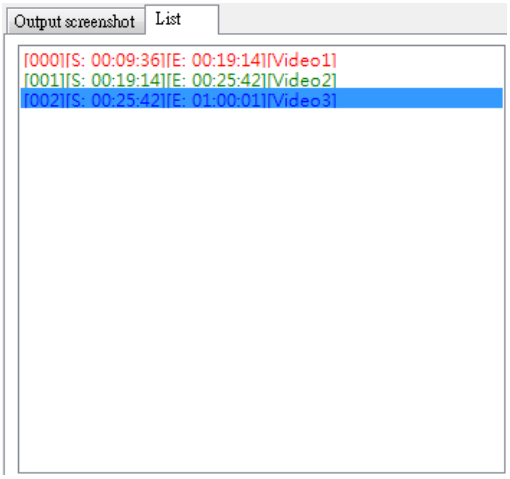
Include output, output screenshot, and list

<Output> after editing the video, output to a new video.

Out put

〈Output screenshot〉preview output screen shot

〈List〉Every video section, including start time, end time, video scene, number of the sections, and output time.



5.2 Instruction

5.2.1 Open Video

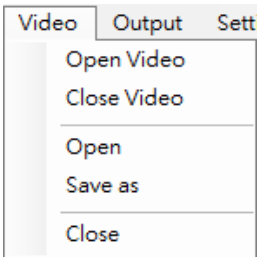
Method of opening the video:

Method 1

Click open video 1, 2, 3. One video for each time.

Method 2

Click <open video> in toolbar. You can choose one or many videos and open at the same time.



5.2.2 Tag

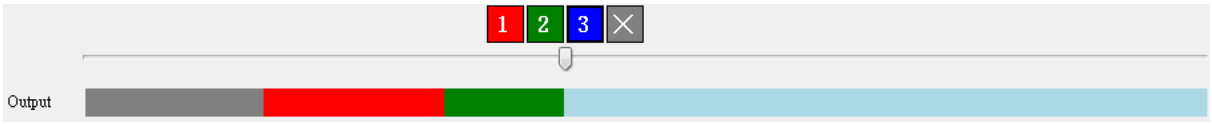
Method of tagging the video:

Method 1

Click the video scene directly. When click video 1, then tag video 1 section. It would show a red frame on the playing scene.

Method 2

Drag the sections on the editing scene



5.2.3 Output

After editing, click <output> to output the video. The output video would be in the folder of the original one.

5.3 Time estimates (iFollow)

The estimate time of open and output the video when using Montage (rough estimate)

5.3.1 Open video time (iFollow)

The time to open the video when using Montage:

Video length	1 hour	2 hours	3 hours	4 hours
Input analysis time	20 sec	35 sec	50 sec	65 sec

* Minimum H/W requirements: Intel Core i7 CPU, 8GB RAM, Windows 7 64bit

5.3.2 Output video time (iFollow)

The time to output the edited video when using Montage:

Video length	1 hour	2 hours	3 hours	4 hours
Input analysis time	1 min 25 sec	3 min	4 min 35 sec	5 min 50 sec

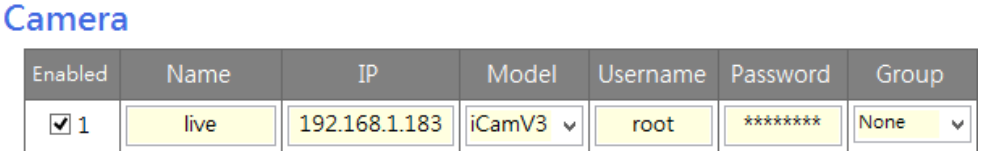
* Minimum H/W requirements: Intel Core i7 CPU, 8GB RAM, Windows 7 64bit

5.4 Procedure of iFollow

5.4.1 【Step 1】Class begin

Method 1

To set [Group], go to the <setting> in the iCam, then choose the cameras in one group. Click <group> when recording, and start recording.



You can set the group name and divide the cameras into three groups.

Group	Name
Group1	
Group2	
Group3	

Click <Group> to record. The camera in the same group would record at the same time.

Method 2:

To set the [Timetable], go to the <timetable> and set the schedule of class. It would automatically record at the time.

5.4.2 【Step 2】Class over

Method 1:

Set the [Group] first, click the <Group ○> to stop recording.

Method 2:

Set the [Timetable] and the iFollow camera would stop recording automatically.

5.4.3 【Step 3】Open

Insert the USB key of Montage and select <mixing iFollow videos> then edit.

5.4.4 【Step 4】Open Video

Open the video you want to edit. (Read 5.2.1 Open Video)

5.4.5 【Step 5】Mixing iFollow Video

Use tag to tag the output section.

5.4.6 【Step 6】Output

After selecting the file, click <output> to output the video. The output video would be in the original folder.

5.5 Procedure for iFollow over 3 cameras

The procedure of Montage when using over 3 cameras of iFollow:

※ Suppose there are four cameras

5.5.1 【Step 1】Edit videos of camera 1~3

Open the videos of camera 1~3, and edit the scene of 1~3. If the teacher doesn't show up in the scene 1~3, choose one from video 1~3.

5.5.2 【Step 2】Output to a new video

After editing video 1~3, output to a new video first.

5.5.3 【Step 3】Second mixing iFollow video

Open a new video, and open video 4.

5.5.4 【Step 4】Select scene of camera 4

Replace the scene without teacher with the scene of video 4.

5.5.5 【Step 5】Output the edit result

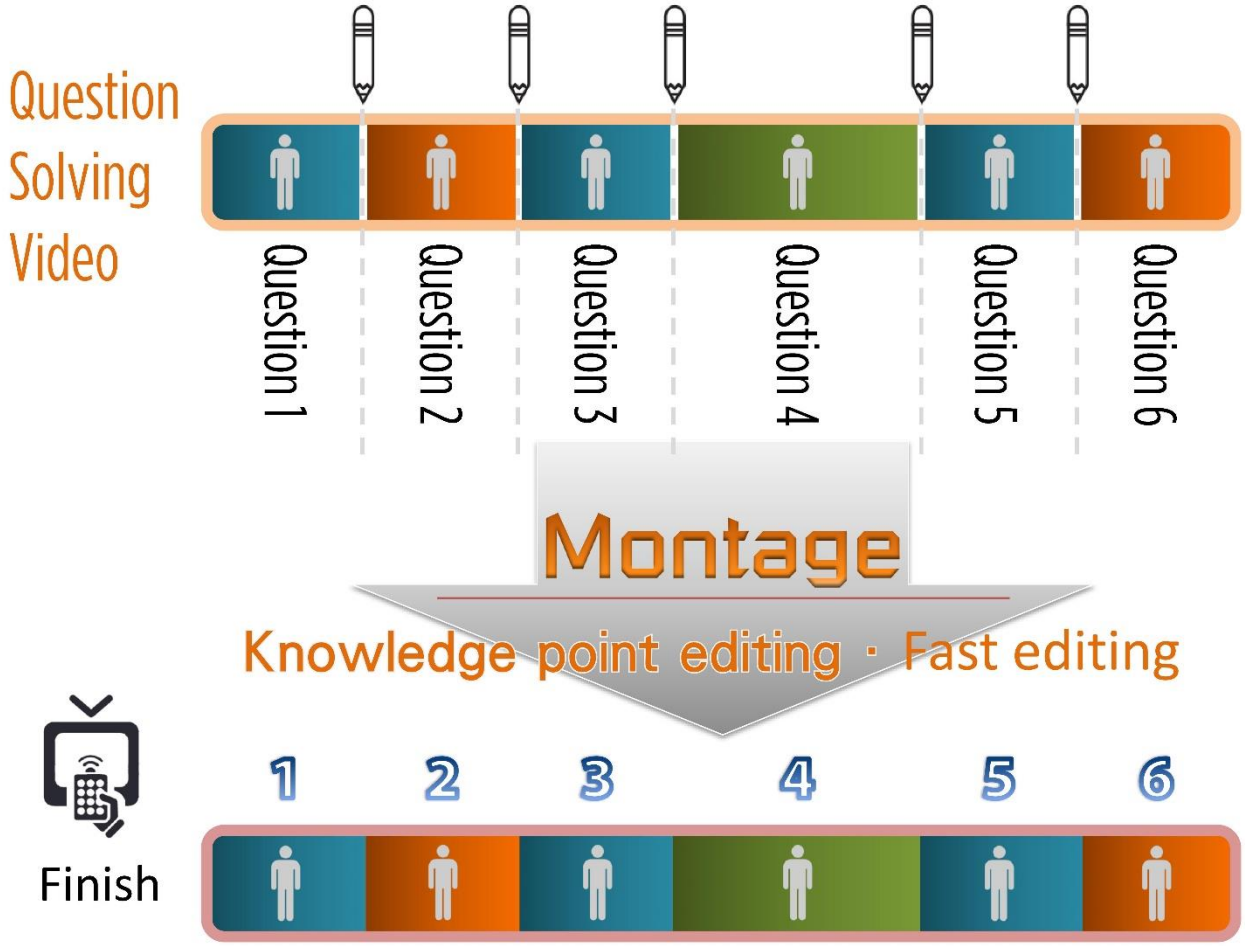
Output the video again, and finish the file.

When editing the video over three cameras for the first time, you can't use cut-off point(X).

5.6 Tips for mixing iFollow Video

- Press number key 1 to tag the scene of camera 1; press two to tag the scene of camera 2; press three to tag the scene of camera 3.
- Press number key 0 to tag cut-off point.
- Mix the iFollow video according to the scene with teacher.

6. Chapter Editing



6.1 Operating Interface

A	Toolbar
B	Video Interface
C	Chapter Interface

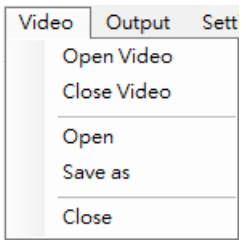
6.1.1 Interface

The chapter interface includes toolbar, video interface, chapter interface, and video output interface.

6.1.2 Toolbar

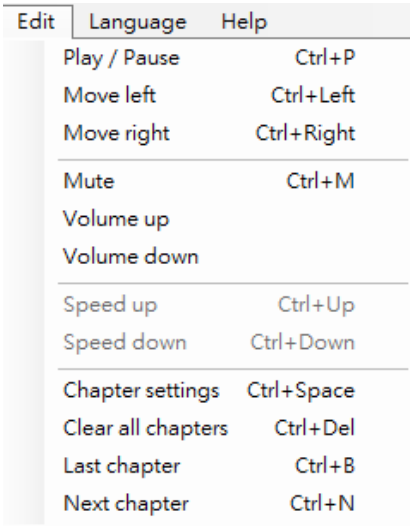
A. Video

Include open, save as, and close.



B. Edit

Include play, move left, move right, mute, volume up, volume down, speed up, speed down, chapter setting, clear all chapters, last chapter, and next chapter.

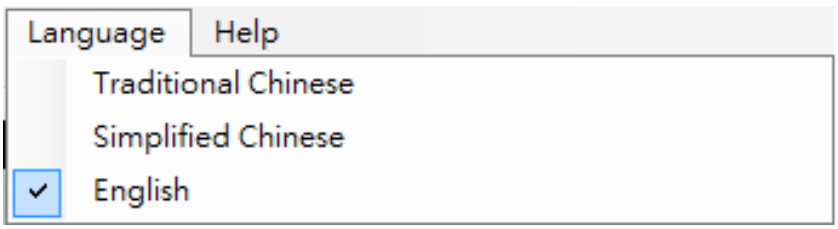


Shortcut

Play/Pause	Ctrl+P
Move left	Ctrl+Left
Move right	Ctrl+Right
Mute	Ctrl+M
Speed up	Ctrl+Up
Speed down	Ctrl+Down
Chapter Setting	Ctrl+Space
Clear all Chapters	Ctrl+Del
Last Chapter	Ctrl+B
Next Chapter	Ctrl+N

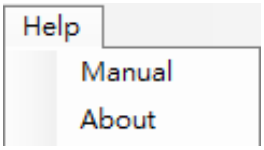
C. Language

Change into Traditional Chinese, Simplified Chinese, and English.



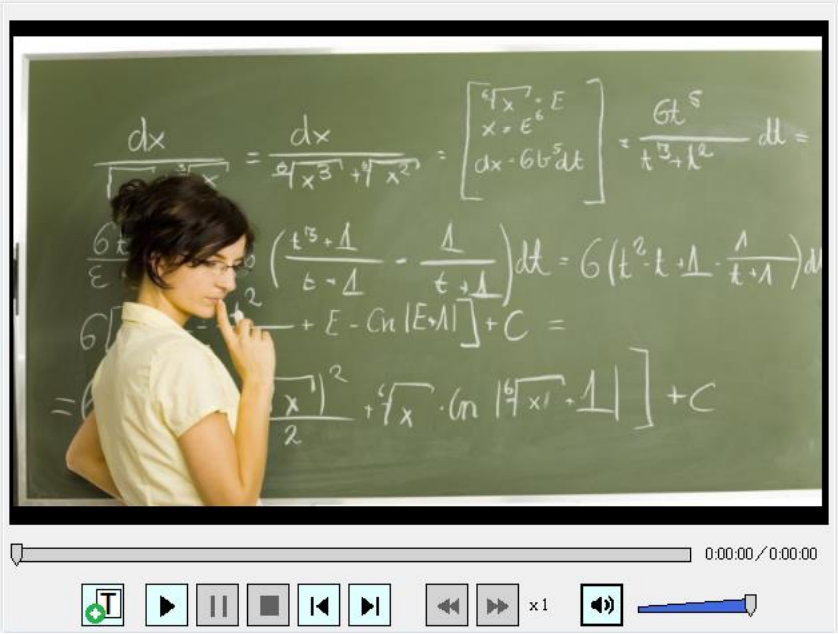
D. Instruction

Include manual and about.



6.1.3 Video Interface

The video interface include play, pause, stop, one second to the left, one second to the right, speed down, speed up, and sound on/off.



Play	Start playing the video
Pause	Pause the video
Stop	Stop playing and go back to the beginning of the video
One second to the left	Forward one second to the left
One second to the right	Forward one second to the right
Speed down	Speed down the video (x1/2, x1/4, x1/8)
Speed up	Speed up the video (x1.2、x1.5、x1.7、x2、x3、x4、x8)

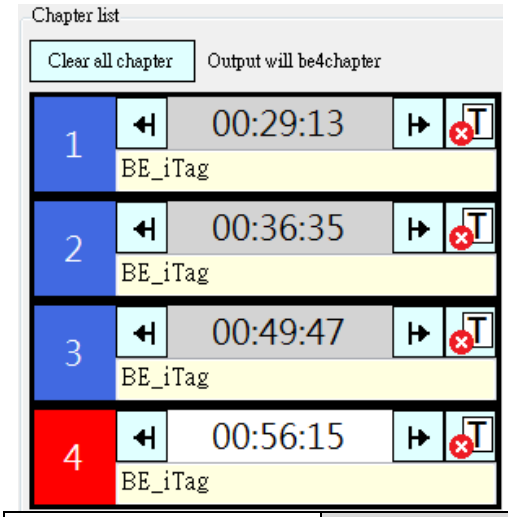
Sound on/off	Adjust the volume and mute

Caution! When speeding up and slowing down the video, you would not hear the sound.

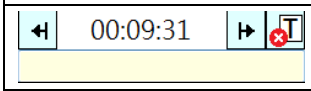
6.1.4 Chapter Interface

Select the time and click <chapter setting> to make every point a chapter.

The chapter list shows all the chapter information. You can adjust to the left or right, change the chapter name, delete one chapter, clear all chapters, and show the number of the chapters.

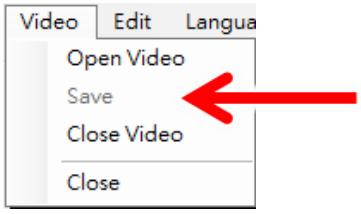


	Chapter setting	Select the time of each the section and split them with a click.
	Delete chapter	Delete one chapter
	Adjust to the left	Adjust the time of the chapter to the left (reduce)

	Adjust to the right	Adjust the time of the chapter to the right (gain)
	Clear all chapters	Clear all chapters, re-edit the video
	Chapter name	Customize the chapter name

6.1.5 Video Output Interface

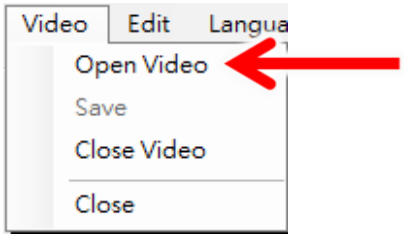
Click <save as> to save the video after editing.



6.2 Instruction

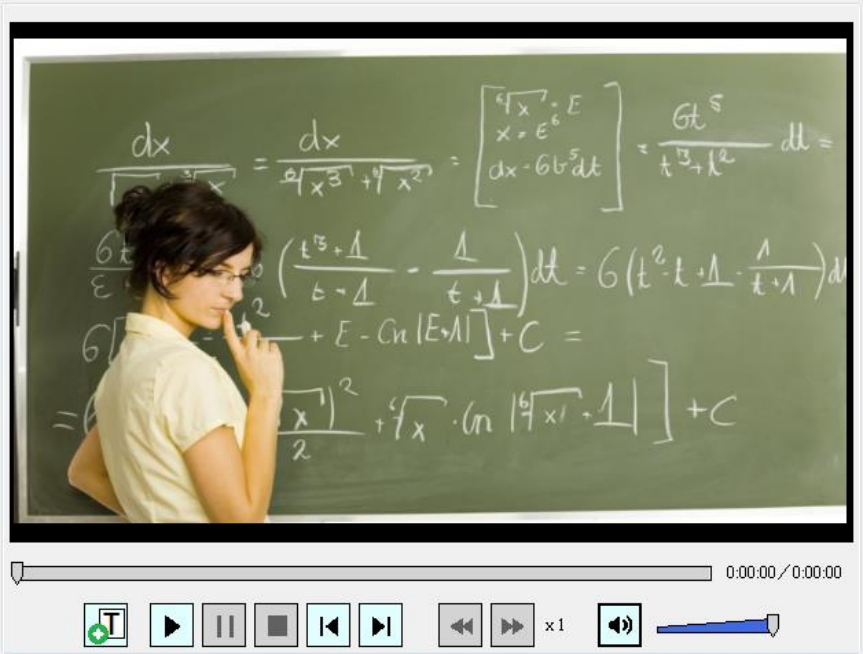
6.2.1 Open Video

Click open video



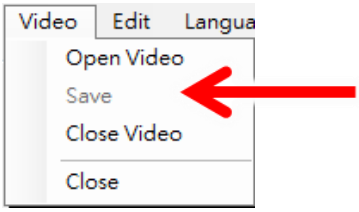
6.2.2 Tag

Select the time point and click <chapter setting> to split to each chapter.



6.2.3 Output

Click <save as> to save the video after editing.



6.3 Time estimates (Chapter editing)

The estimate time of open and output the video when using Montage (rough estimate)

6.3.1 Open Video Time (Chapter Editing)

The time to open the video when using Montage:

Video length	1 hour	2 hours	3 hours	4 hours

Input analysis time	20 sec	35 sec	50 sec	60 sec

* Minimum H/W requirements：Intel Core i7 CPU, 8GB RAM, Windows 7 64bit

6.3.2 Video Output Time (Chapter Editing)

The time to output the edited video when using Montage:

Video length	1 hour	2 hours	3 hours	4 hours
Input analysis time	35 sec	1 min 25 sec	2 min 10 sec	2 min 55 sec

* Minimum H/W requirements：Intel Core i7 CPU, 8GB RAM, Windows 7 64bit

6.4. Procedure of Editing Chapters of SES Videos

Prepare a computer and install Montage to edit SES video. You need USB to copy the video from SES to the computer with Montage to edit.

6.4.1 【Step 1】Take out the video

Insert the USB to SES PC, then copy the video to the USB.

6.4.2 【Step 2】Edit chapters

Insert the USB to the computer with Montage, and open the montage to edit chapters, then copy the edited file to the USB.

6.4.3 【Step 3】Copy to disk drive D

Insert the USB back to SES PC, and add a new folder [Input] in disk drive D, then copy the to the folder.

6.4.4 【Step 4】Input data

Click <Input video> in the <Video> and input the videos in [Input] to SES database

6.5. Procedure of Editing Chapters of FL Videos

Prepare a computer and install Montage to edit FL video. You need USB to copy the video from FL to the computer with Montage to edit.

6.5.1 【Step 1】Set up Network drive

Click [start] → [implement] and enter the FL IP address in start blank, the preset is file://192.168.1.170. Then enter the account (admin) and password of FL.

6.5.2 【Step 2】Open the video

Open video file at FL

6.5.3 【Step 3】Edit video chapters

Edit chapters of videos by Montage

6.5.4 【Step 4】Output Video

Set up【input】file folder at FL (file name can modify). The video after editing will output to this folder directly.

7. Q&A

【Q1】If USB Key lost, can I have a new one?

【Ans】 Every USB Key is unique! The USB Key will not be reissued if lost. Please contact us to have a new Montage software.

【Q2】Can I install on WIN XP?

【Ans】 To make sure the stability while using Montage, please install on Windows 8

【Q3】Close User Account Control (UAC).

【Ans】 Please turn off the UAC of the operating system. The procedure is as below:

1. Enter control panel, click “User’s account and family security.” Then, click “user’s account”
2. Click the “Change User’s Account Control Settings” below.
3. UAC。Click “no notice” and click “OK.” If it reminds you to enter the password or information, please enter the correct password and information. You need to restart the computer.

【Q4】The problem of video flicker.

【Ans】 After video output, video appears flickering, please cancel “Adaptive contrast enhancement”

1. Click the right-click and select “Graphic content”
2. Select “Advanced mode”
3. Select “Image enhancement” in “Media”
4. Uncheck “Adaptive contrast enhancement”

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Thanks for your reading.

Note

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BlueEyes®

http://www.BlueEyes.com.tw

BlueEyes Technology Corp. Customer Service Center

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