

Camtasia Studio 2

Use **Camtasia Studio** to virtually walk individuals through the use of any windows software application. **Camtasia Studio** is a video screen recording software package that allows you to record, edit, and share videos of computer activity. It captures screen shots, mouse movements, and accompanying audio dialog during a demonstration of a “**Software Application**” of your choosing. The resulting Flash movie (.swf) created may be viewed and heard through an Internet browser. **Camtasia Studio** can also produce AVI video (.avi) files, Windows Media (.wmv) streaming media files, and QuickTime (.mov) files.



\$149 Academic Pricing

1-800-517-3001, call for Academic Pricing

www.techsmith.com

Recommended guidelines:

- ◆ Resulting lecture should be no more than about 15 minutes in length. Longer lectures make large files which are difficult to download via modem. For example, a **10 minute** lecture stored at **5fps** at a screen size of **640x480** pixels and with **11,025 kHz, Mono, 16kBit/sec** audio quality generates a Flash file approximately **4.5 MB** in size. This file takes about ½ hour to download using a 56.6 Kbps modem under realistic conditions (1 hour using a 28.8 Kbps modem). Note: Dropping the fps setting from 5fps to 1fps drops the resulting file size down from 4.5 MB to 3.2 MB.
- ◆ **5 frames/sec** (This may be dropped to **1fps** to reduce the file size by 29%, but this drop in fps will make the mouse movement somewhat jumpy.)
- ◆ **640x480** target size
- ◆ **16 bit (High color)**
- ◆ **11,025 kHz, Mono, 16 kBit/sec** Audio

Please follow the instructions below to make a Flash file using **Camtasia Studio 2**

1. Login to the CTI Software Machine (#2)
2. Load the **“Software Application”** (e.g. Microsoft Excel, Blackboard) you wish to demonstrate by clicking on **Start** in the lower left corner of your screen (*Figure 1*)
 - Size the **“Software Application”** as small as is feasible—640x480 pixels
 - Position the **“Software Application”** in the lower right corner.

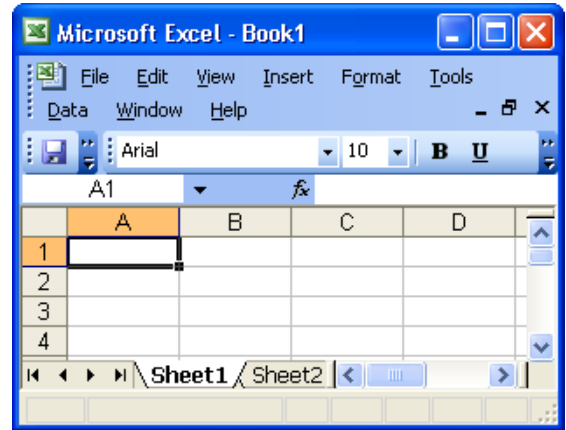


Figure 1

3. Load **Camtasia Studio** using **Start > Camtasia Studio 2**.

4. Select **Start new project by recording the screen** and click **OK**.

5. Select **Specific Window**. Check the **Record Audio** box to indicate you will be recording audio. Click **Next**. (*Figure 2*)

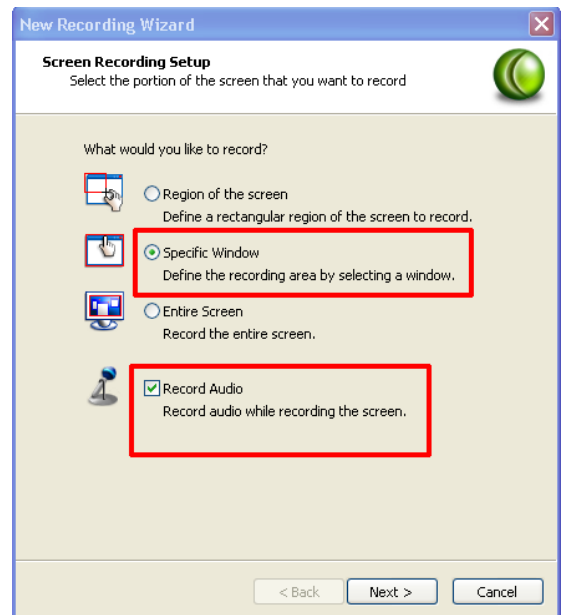


Figure 2

7. Return to **Camtasia Studio** and click on the **Select Window** button.

8. Move your cursor over to your **“Software Application”** and **left click** near the top of the window’s region to select the whole window. (*Figure 1*)

9. The **“Software Application”** window’s width and height dimensions are now displayed in **Camtasia Studio**.

(Figure 3)

10. Based on the Dimensions information, you may wish to return to your **“Software Application”** to adjust its size and then repeat steps 7-10. You may repeat this process as many times as you need to until you have the **“Software Application”** window’s width and height dimensions defined correctly. **(640x480 recommended, 800x600 maximum for Internet distribution).**

11. Once you have successfully selected the **“Software Application”** window, click **Next**.

12. Select **Microphone** as your audio input source and adjust your microphone level using the **Input Level** volume indicator bar on the right side of the **New Recording Wizard** window. Click **Next**. (Figure 4)

13. Keep the default answers on the next screen and click **Finish**.

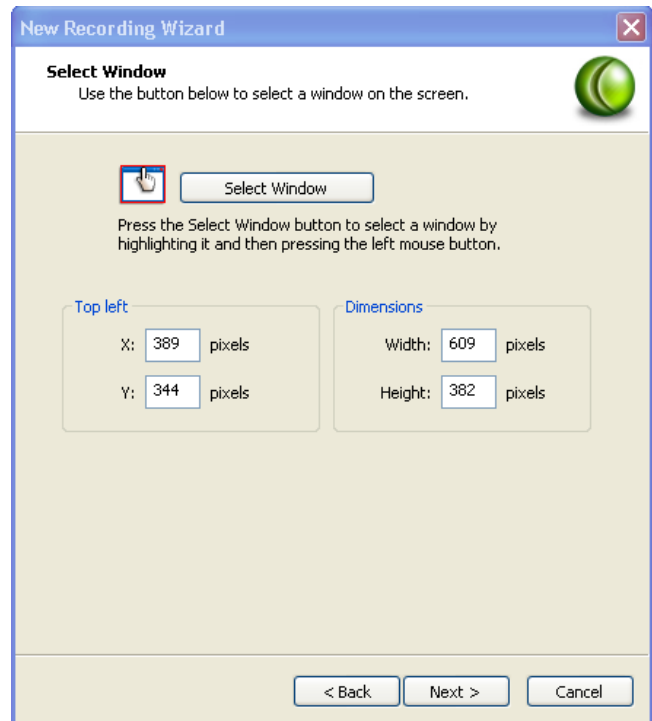


Figure 3

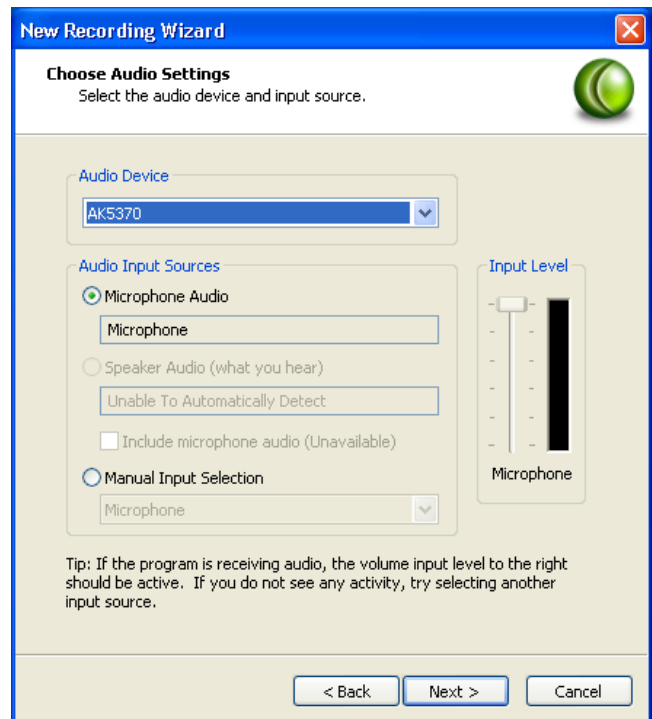


Figure 4

14. The **Camtasia Recorder** window opens.

Define your settings by selecting the **Effects** toolbar option (Figure 5):

- Click the “**Software Application**” window to make it visible.
- Return to **Camtasia Recorder** and select **Effects > Annotation > Highlight**.
- Click the “**Software Application**” window to select it for highlighting. A colored line should appear around the “**Software Application**” window.



Figure 5

- **Effects > Audio** (Figure 6)
 - √ **Record Audio**
 - √ **Cursor Sounds**
 - √ **Keyboard sounds**
- **Effects > Cursor > Highlight Cursor and Clicks**
- **Effects > Options**
 - **Annotation tab** – adjust pixel size and color of highlight
 - **Audio tab** – adjust mouse and keyboard sound levels
 - **Cursor tab** – adjust cursor appearance
 - **OK**

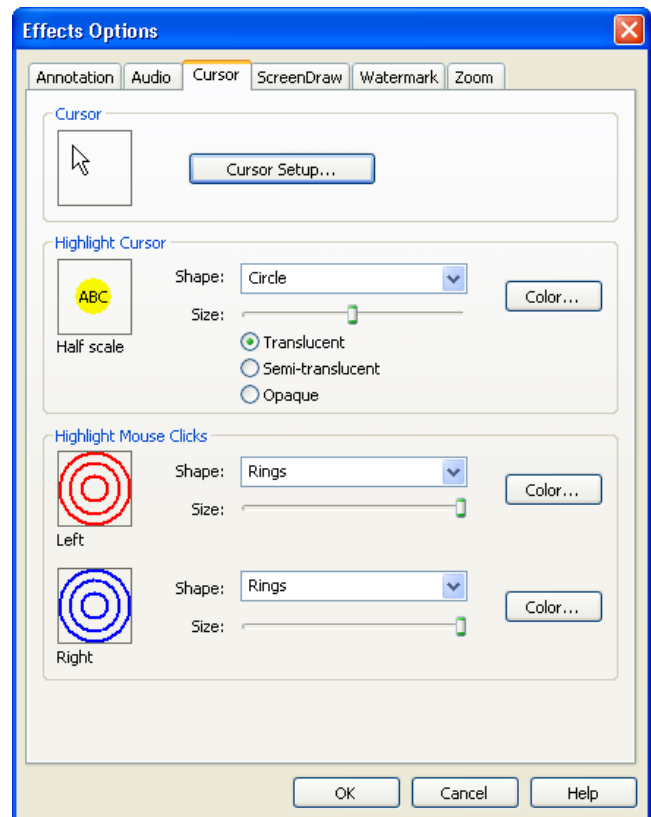


Figure 6

15. Make sure the microphone is positioned correctly (90 degrees sideways with a fuzzy or cotton on the end to reduce popping problems.)
16. Click on the **“Software Application”** window to select it and make it visible in preparation for recording.



17. **Begin recording** by selecting the **Camtasia Recorder Round Red Record Button**  or pressing **F9**. (Figure 7)



Figure 7

18. **Pause** during the recording by pressing **F9**.
Resume by pressing **F9** again.
19. **Stop** the recording by pressing **F10** or by selecting the **Camtasia Recorder Square Black Stop Button** .

20. **Save Your Movie** (.avi) in a location of your choice when the **Save as** window appears. A 10 minute 640x480 AVI movie will be about 36 MB. (Figure 8)

21. After the AVI file is saved, watch the AVI movie play on the screen. (Make sure the speakers are turned on so that you can listen to it.) Close this window when you done watching.

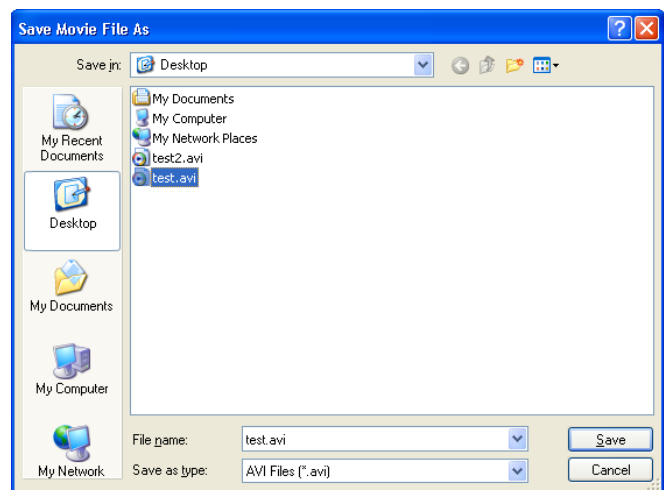


Figure 8

22. Select the **Camtasia Studio** window (Figure 9)

- You will see the newly created AVI file (*filename.avi*) in the **Video** list in the middle of the window. (Figure 9 Step 1)
- Drag and Drop the AVI file (*filename.avi*) into the video/audio timeline located at the bottom of the **Camtasia Studio** window. (Step 2)
- From the left hand menu **Task List** under the title **Produce**, select **Produce video as**. (Figure 9 Step 3)
- Select **Macromedia Flash (SWF) movie file** and click **Next**.
- Select the following settings (Figure 10)
 - Colors: **16-Bit (High color)**
 - Frame Rate: **5** (frames/sec)
 - Playback controls: **Advanced** (adds play, pause, and stop buttons)
 - **Encode Audio** checked
 - Audio Format: **MP3**
 - Audio Attributes:
11,025kHz, Mono, 16 kBit/sec
 - Click on the **Advanced** Button
 - √ **Pause at start** checked
 - √ **Allow Resizing** checked
 - √ End action: **Stop**
 - √ **OK**
 - **Next**

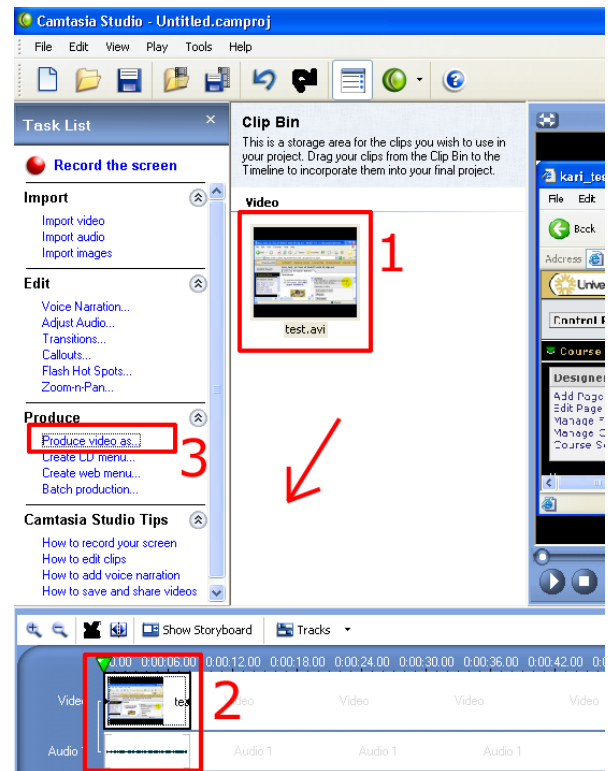


Figure 9

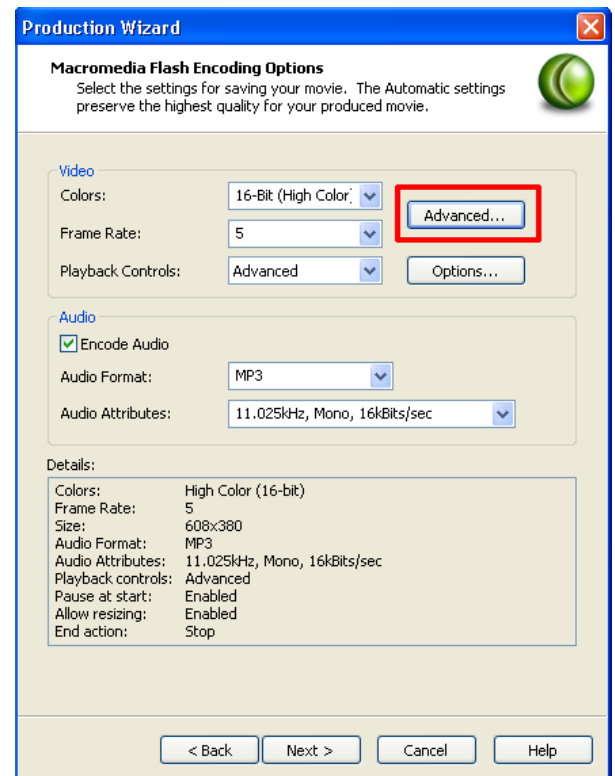


Figure 10

- Select the following settings
 - Video Size: **Largest Video Size (Recommended)**
 - **Next**
- Leave all unchecked and select **Next**
- Leave all unchecked and select **Next**
- Select the following settings

(Figure 11)

- Define Flash movie output *filename* and *folder location*
 - Check **Show production results**
 - Check **Play video after production**
 - Press **Finish**
- (Note: this will take time to produce—particularly if the recording is long. It takes approximately 2 min to render and 2 min to encode a 10 min movie.)

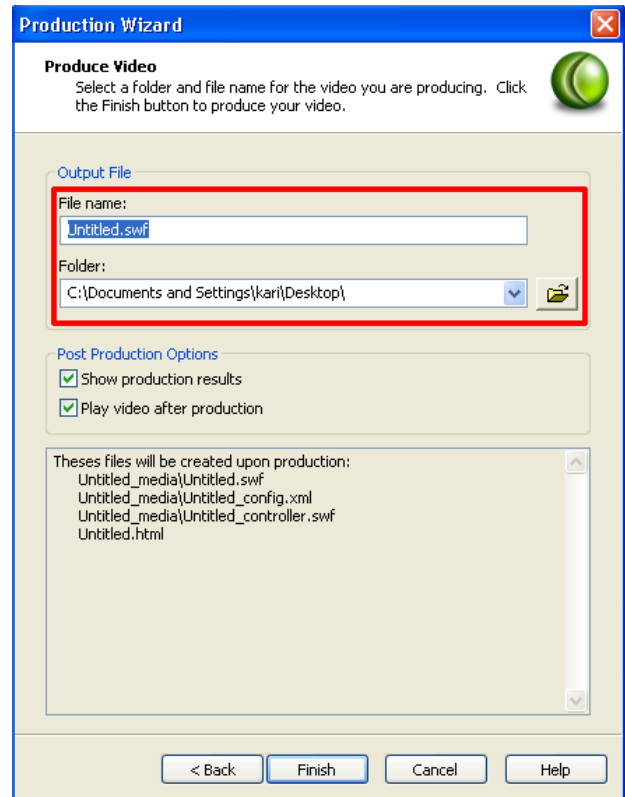



Figure 11

- Review the production results displayed and click **Close**.

23. Watch and listen to the completed Flash movie. Press the play icon  to start playing the movie. Close this window when you are done viewing it.

This produces an .html file (*filename.html*) and a folder (*filename_media*) containing three files (*filename.swf*, *filename_config.xml*, *filename_controller.smf*)—all are required for Internet play. Simply place the .html file and the folder into your Web site. Build a link to the .html file to make the movie available to your Web site visitors.