CyberLink
Screen Recorder 4
User's Guide

CyberLink

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Contents

Chapter 1:

Introduction

This chapter introduces CyberLink Screen Recorder and reviews the minimum system requirements for the program.

Note: this document is for reference and informational use only. Its content and the corresponding program are subject to change without notice.

Welcome

Welcome to the CyberLink family of digital media tools. CyberLink Screen Recorder lets you capture everything on your desktop, including screencasts, streaming videos, Skype calls, and more. You can also use CyberLink Screen Recorder to stream video from your desktop and webcam directly to Twitch, YouTube, Facebook, and custom servers.

Latest Features

This section outlines some of the latest features within the Screen Recorder program.

- Stream video to multiple locations at once.
- Stream video to custom servers.
- Include video overlays, such as logos or other images, in your recordings or streamed video.
- Preview and set the size/location of the webcam video and video overlays in the preview window.
- Customize bitrates for recorded video and individual video streams.
- Use chroma key to key out and replace the background in your webcam video.
- Customize keyboard hotkeys to your preferences.

Screen Recorder Editions

The features that are available in Screen Recorder are completely dependent on the edition you have installed on your computer. Click the Screen Recorder logo in the top left to determine the version, edition, and build number for your copy of Screen Recorder.

Updating Your Software

Software upgrades and updates (patches) are periodically available from CyberLink.

> **Note**: you must connect to the Internet to use this feature.

To update your software, do this:

1. Open the Notification Center by doing one of the following:

   - click the button when it's enabled.

   - click the Screen Recorder logo in the top left of the window, and then click the **Upgrade** button in the About Screen Recorder window.

2. Click the feature you would like to upgrade to, or the patch you want to update to.

3. A web browser window opens, where you can purchase product upgrades or download the latest patch update.

Minimum System Requirements

The system requirements listed below are recommended as minimums for general digital video production work.

Minimum System Requirements	
Operating System	• Microsoft Windows 10, 8/8.1, 7 (Windows 10 64bit recommended)
Processor (CPU)	• Intel Core™ i-series or AMD Phenom® II
Graphics Processor (GPU)	• **Desktop recording**: 1 GB VGA VRAM • **Game recording**: 3 GB VGA VRAM
Memory	• 2 GB (6 GB or above recommended)
Hard Disk Space	• 600 MB for product installation
Capture Device	• Webcam (built-in or external USB)
Sound Card	• Windows compatible sound card
Internet Connection	• Required for program activation, streaming, and online services
Screen Resolution	• 1024 x 768, 16-bit color (up to 2560 x 1440)

Note: please consult the CyberLink web site (https://www.cyberlink.com) for the most recent system requirements information.

Chapter 2:

Recording Video

Screen Recorder lets you capture a video of your mouse movements and computer usage, allowing you to create instruction videos, and record webcasts/screencasts, streaming videos, Skype calls, and much more.

> **Note**: while recording you can click the 🔘 button on the UI, or use the hotkey specified in preferences, to take a photo screenshot at any time. The screenshot feature is only available during recording and streaming.

With the Screen Recorder, you can:

- Record at Full Screen
- Record a Custom Sized Area of Your Desktop
- Record by Locking to a Desktop App
- Record a Game
- Record from a Connected Device

To launch the Screen Recorder, double-click on its desktop icon or select **CyberLink Screen Recorder 4** from the Windows start menu. The Screen Recorder window displays.

Record at Full Screen

The **Full screen** option in Screen Recorder lets you record your entire computer's desktop. To record at full screen, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, click the **Full Screen** option.

> **Note**: this option records the entire desktop of your computer. If you try and adjust the capture area, Screen Recorder will switch to the record a custom area option.

3.   Set the recording options as follows:

- **Video resolution**: select the resolution of the recorded video from the drop-down.

- **Video framerate**: select the framerate of the recorded video from the drop-down.

- **Mouse clicks**: choose whether you want to include a colored animation used to illustrate that a mouse click was performed in your recording. If you select **Yes**, click ⊘ (or the colored dot) to set the color of the animation. Select the ⊘ option, or **No**, if you don't want the animation to appear in your video.

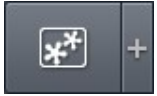4.   If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your recording. To include, do this:

◎ ▼	Click the webcam button to enable and include the video feed from a connected webcam in your recording. After enabling, click on the ▭ button to set the size and position of your webcam video in the preview window. See Adjusting Webcam/PiP Image Size/Position for more information. At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in Webcam Preferences.
⏻ ▼	Click the microphone button to enable and include the audio from a connected microphone in your recording. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the Audio Preferences. **Note**: the first time you enable this feature, you may be asked to set up your microphone in Audio Preferences.

	Click the video overlays button to enable and include video overlays, such as images or logos, on your recorded video. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See <u>Video Overlays</u> for more information.

5. If you'd like it to be a timed recording, select the **Time limit** option, and then enter how long you want Screen Recorder to record in the field provided.

6. When ready, click **REC** to begin recording.

> **Note**: before you start your recording, you can click [icon] to open the preview window to see what your recording will look like. See <u>Previewing Recording/Stream</u> for more information.

7. When you are done recording, click the **Stop** button, or press the <u>hotkey specified in preferences</u>, to stop the recording and save the file in the folder selected in <u>File Preferences</u>.

> **Note:** if required, you can <u>trim out unwanted recorded video</u> and <u>perform other edits</u> after the recording is complete.

Record a Game

The **Game** option in Screen Recorder lets you record a video game or other program running in exclusive or Windows mode on your computer. To record a game, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, click the **Game** option.

3. Set the recording options as follows:

- **Video resolution**: select the resolution of the recorded video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

- **Video framerate**: select the framerate of the recorded video from the drop-down.

- **Application**: choose the game or program in the drop-down you want to record.

> **Note:** if you want to record a video game that runs in exclusive mode (i.e. running in DirectX or OpenCL), you do not have to select anything from this drop-down. Once you launch the video game/program in exclusive mode, Screen Recorder will configure itself to record the exclusive mode content. If the game is running in Window mode, then you need to select it here.

4. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your recording. To include, do this:

⌖ ▾	Click the webcam button to enable and include the video feed from a connected webcam in your recording. After enabling, click on the ▭ button to set the size and position of your webcam video in the preview window. See Adjusting Webcam/PiP Image Size/Position for more information. At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in Webcam Preferences.
🎤 ▾	Click the microphone button to enable and include the audio from a connected microphone in your recording. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the Audio Preferences. **Note**: the first time you enable this feature, you may be asked to set up your microphone in Audio Preferences.
✳ +	Click the video overlays button to enable and include video overlays, such as images or logos, on your recorded video. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See Video Overlays for more information.

5.   If you'd like it to be a timed recording, select the **Time limit** option, and then enter how long you want Screen Recorder to record in the field provided.

6.   When ready, click **REC** to begin recording.

> **Note**: before you start your recording, you can click ⬚ to open the preview window to see what your recording will look like. See Previewing Recording/Stream for more information.

7.   When you are done recording, click the **Stop** button, or press the hotkey specified in preferences, to stop the recording and save the file in the folder selected in File Preferences.

> **Note:** if required, you can trim out unwanted recorded video and perform other edits after the recording is complete.

Record by Locking to a Desktop App

The **Lock to app** option in Screen Recorder lets you select and record within a running desktop app on your computer. To record by locking to a desktop app, do this:

1.   Launch Screen Recorder.

2.   On the **Record** tab, click the **Lock to app** option.

3.   Hover your mouse over the desktop app you want to record within and then click in its window to set the capture area. Note that a yellow dotted line is drawn around the program.
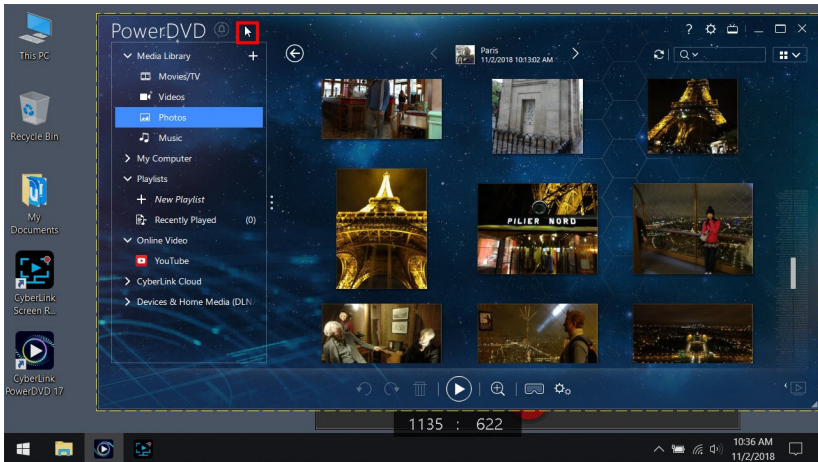
This indicates the screen area that will be captured during the recording. If you move the desktop app, the Screen Recorder will follow the window.

4. Set the recording options as follows:

-   **Video resolution**: select the resolution of the recorded video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

-   **Video framerate**: select the framerate of the recorded video from the drop-down.

-   **Mouse clicks**: choose whether you want to include a colored animation used to illustrate that a mouse click was performed in your recording. If you select

    Yes, click ⊘ (or the colored dot) to set the color of the animation. Select the

    ⊘ option, or **No**, if you don't want the animation to appear in your video.

5. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your recording. To include, do this:

	Click the webcam button to enable and include the video feed from a connected webcam in your recording. After enabling, click on the ⬜ button to set the size and position of your webcam video in the preview window.

9

	See [Adjusting Webcam/PiP Image Size/Position](#) for more information. At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in [Webcam Preferences](#).
🎤 ▾	Click the microphone button to enable and include the audio from a connected microphone in your recording. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the [Audio Preferences](#). **Note**: the first time you enable this feature, you may be asked to set up your microphone in [Audio Preferences](#).
✳ +	Click the video overlays button to enable and include video overlays, such as images or logos, on your recorded video. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See [Video Overlays](#) for more information.

6. If you'd like it to be a timed recording, select the **Time limit** option, and then enter how long you want Screen Recorder to record in the field provided.

7. When ready, click **REC** to begin recording.

> **Note**: before you start your recording, you can click 🔲 to open the preview window to see what your recording will look like. See [Previewing Recording/Stream](#) for more information.

8. When you are done recording, click the **Stop** button, or press the [hotkey specified in preferences](#), to stop the recording and save the file in the folder selected in [File Preferences](#).

> **Note:** if required, you can <u>trim out unwanted recorded video</u> and <u>perform other edits</u> after the recording is complete.

Record a Custom Sized Area of Your Desktop

The **Custom** option in Screen Recorder lets you manually customize the size of the area on your computer's desktop that you record. To record a custom sized area on your desktop, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, click the **Custom** option.

3. Use your mouse to manually set the size of the capture area by clicking and dragging your mouse.
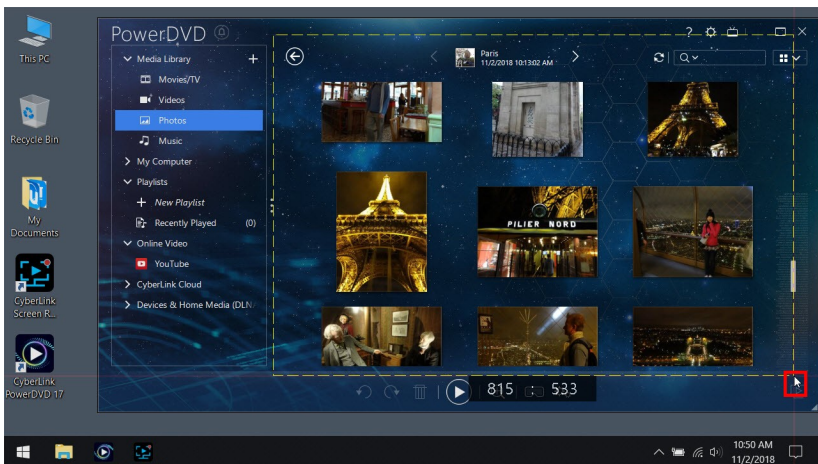
You can resize the selected capture area at any time before you start recording.

Set the recording options as follows:

- **Video resolution**: select the resolution of the recorded video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

- **Video framerate**: select the framerate of the recorded video from the drop-down.

- **Mouse clicks**: choose whether you want to include a colored animation used to illustrate that a mouse click was performed in your recording. If you select

  Yes, click ⊘ (or the colored dot) to set the color of the animation. Select the

  ⊘ option, or **No**, if you don't want the animation to appear in your video.

5. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your recording. To include, do this:

	Click the webcam button to enable and include the video feed from a connected webcam in your recording. After enabling, click on the [▢] button to set the size and position of your webcam video in the preview window. See Adjusting Webcam/PiP Image Size/Position for more information.

	At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in Webcam Preferences.
	Click the microphone button to enable and include the audio from a connected microphone in your recording. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the Audio Preferences. **Note**: the first time you enable this feature, you may be asked to set up your microphone in Audio Preferences.
	Click the video overlays button to enable and include video overlays, such as images or logos, on your recorded video. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See Video Overlays for more information.

6. If you'd like it to be a timed recording, select the **Time limit** option, and then enter how long you want Screen Recorder to record in the field provided.

7. When ready, click **REC** to begin recording.

Note: before you start your recording, you can click to open the preview window to see what your recording will look like. See Previewing Recording/Stream for more information.

8. When you are done recording, click the **Stop** button, or press the hotkey specified in preferences, to stop the recording and save the file in the folder selected in File Preferences.

Note: if required, you can trim out unwanted recorded video and perform other edits after the recording is complete.

Record from a Connected Device

The **Device** option in Screen Recorder lets you record from an external device that is connected to your computer via HDMI, USB, etc. To record from a connected device, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, click the **Device** option.

3. Set the recording options as follows:

   - **Input device**: select the device in the drop-down that you want to record from. Once selected, click ⚙ to configure the device input settings.

   > **Note**: make sure the device is firmly connected and powered on (if required) before launching Screen Recorder.

   - **Video resolution**: select the resolution of the recorded video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

   - **Video framerate**: select the framerate of the recorded video from the drop-down.

4. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your recording. To include, do this:

◎ ▼	Click the webcam button to enable and include the video feed from a connected webcam in your recording. After enabling, click on the [ ] button to set the size and position of your webcam video in the preview window. See Adjusting Webcam/PiP Image Size/Position for more information. At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in Webcam Preferences.

🎤 ▾	Click the microphone button to enable and include the audio from a connected microphone in your recording. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the Audio Preferences. **Note**: the first time you enable this feature, you may be asked to set up your microphone in Audio Preferences.
✱ +	Click the video overlays button to enable and include video overlays, such as images or logos, on your recorded video. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See Video Overlays for more information.

5. If you'd like it to be a timed recording, select the **Time limit** option, and then enter how long you want Screen Recorder to record in the field provided.

6. When ready, click **REC** to begin recording.

> **Note**: before you start your recording, you can click [🔲] to open the preview window to see what your recording will look like. See Previewing Recording/Stream for more information.

7. When you are done recording, click the **Stop** button, or press the hotkey specified in preferences, to stop the recording and save the file in the folder selected in File Preferences.

> **Note:** if required, you can trim out unwanted recorded video and perform other edits after the recording is complete.

Configuring Device Input Settings

When wanting to record from a connected device, click ⚙ next to Input Device to configure the device's input settings as follows:

- **Input resolution**: select the input resolution of the video coming from the selected device.

- **Input framerate**: select the input framerate of the video coming from the selected device.

- **YUV color space**: select the YUV color space conversion algorithm.

When done, click **Apply** to save your changes.

Chapter 3:

Streaming Video

Screen Recorder can stream video from your computer directly to Twitch, YouTube, Facebook, and to a custom server. You can stream to just one of these locations, or stream to multiple locations at once.

Note: while streaming you can click the 📷 button on the UI, or use the hotkey specified in preferences, to take a photo screenshot at any time. The screenshot feature is only available during recording and streaming.

Streaming Video to Twitch

Screen Recorder can stream video from your desktop, computer game, connected device, etc. directly to Twitch. To stream video to Twitch, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, first select and set up what you want to stream. See Recording Video for detailed information.

3. Click on the **Stream** tab, on the **Twitch** button, and then select the check box above the **Twitch** button to enable streaming.

4. Click the **Login** button and then follow the instructions to sign in to your Twitch account and authorize Screen Recorder to stream video to it.

Note: once you sign in and authorize your account, Screen Recorder will automatically get the stream key needed to broadcast your video stream on Twitch.

5. Once you're signed in, click the ⚙ button to set the following stream options:

    - **Server**: select the server you want to use for streaming.

    - **Title**: enter a title for your streamed video.

6. Set the recording options as follows:

- **Video resolution**: select the resolution of the streamed video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

- **Video framerate**: select the framerate of the streamed video from the drop-down.

- **Live URL**: displays the URL for your live stream. Click the **Copy** button to copy it for sharing.

7. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your streaming video. To include, do this:

◎ ▾	Click the webcam button to enable and include the video feed from a connected webcam in your video stream. After enabling, click on the ⬚ button to set the size and position of your webcam video in the preview window. See Adjusting Webcam/PiP Image Size/Position for more information. At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in Webcam Preferences.
🎤 ▾	Click the microphone button to enable and include the audio from a connected microphone in your video stream. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the Audio Preferences. **Note**: the first time you enable this feature, you may be asked to set up your microphone in Audio Preferences.
✳ +	Click the video overlays button to enable and include video overlays, such as images or logos, in your video stream. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See Video Overlays for more information.

8. Select the **Save streamed video to disk** option if you want to save a copy of the streamed video on your computer's hard drive. The file is saved in the export folder selected in File Preferences.

9. When ready, click **Live** to begin streaming.

10. When you are done streaming, click the **Stop** button, or press the hotkey specified in preferences, to stop the streaming.

Streaming Video to YouTube

Screen Recorder can stream video from your desktop, computer game, connected device, etc. directly to YouTube. To stream video to YouTube, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, first select and set up what you want to stream. See Recording Video for detailed information.

3. Click on the **Stream** tab, on **YouTube** button, and then select the check box above the **YouTube** button to enable streaming.

4. Click the **Login** button and then follow the instructions to log in to your YouTube account and authorize Screen Recorder to stream video to it.

> **Note**: once you sign in and authorize your account, Screen Recorder will automatically get the stream key needed to broadcast your video stream on YouTube.

5. Once you're signed in, click the ⚙ button to set the following stream options:

    - **Title**: enter a title for your streamed video.

    - **Privacy**: select whether you want the stream to be public, unlisted, or private.

6. Set the recording options as follows:

    - **Video resolution**: select the resolution of the streamed video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

    - **Video framerate**: select the framerate of the streamed video from the drop-down.

- **Live URL**: displays the URL for your live stream. Click the **Copy** button to copy it for sharing.

7. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your streaming video. To include, do this:

	Click the webcam button to enable and include the video feed from a connected webcam in your video stream. After enabling, click on the button to set the size and position of your webcam video in the preview window. See Adjusting Webcam/PiP Image Size/Position for more information. At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in Webcam Preferences.
	Click the microphone button to enable and include the audio from a connected microphone in your video stream. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the Audio Preferences. **Note**: the first time you enable this feature, you may be asked to set up your microphone in Audio Preferences.
	Click the video overlays button to enable and include video overlays, such as images or logos, in your video stream. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See Video Overlays for more information.

8. Select the **Save streamed video to disk** option if you want to save a copy of the streamed video on your computer's hard drive. The file is saved in the export folder selected in File Preferences.

9. When ready, click **Live** to begin streaming.

10. When you are done streaming, click the **Stop** button, or press the <u>hotkey specified in preferences</u>, to stop the streaming.

Streaming Video to Facebook

Screen Recorder can stream video from your desktop, computer game, connected device, etc. directly to Facebook. To stream video to Facebook, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, first select and set up what you want to stream. See <u>Recording Video</u> for detailed information.

3. Click on the **Stream** tab, on the **Facebook** button, and then select the check box above the **Facebook** button to enable streaming.

4. Click the **Continue with Facebook** button and then follow the instructions to log in to your Facebook account and authorize Screen Recorder to stream video to it.

> **Note**: once you sign in and authorize your account, Screen Recorder will automatically get the stream key needed to broadcast your video stream on Facebook.

5. Once you're signed in, click the ⚙ button to set the following stream options:

   - **Choose where to post**: select where you want the steaming video to be posted on Facebook.

   - **Title**: enter a title for your streamed video.

   - **Description**: enter a short description for your live streamed video.

   - **Privacy**: select whether you want the stream to be public, private, or only viewable by certain friends.

6. Set the recording options as follows:

   - **Video resolution**: select the resolution of the streamed video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

- **Video framerate**: select the framerate of the streamed video from the drop-down.

- **Live URL**: displays the URL for your live stream. Click the **Copy** button to copy it for sharing.

7. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your streaming video. To include, do this:

⊚ ▼	Click the webcam button to enable and include the video feed from a connected webcam in your video stream. After enabling, click on the [□□] button to set the size and position of your webcam video in the preview window. See Adjusting Webcam/PiP Image Size/Position for more information. At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video. **Note**: the first time you enable this feature, you may be asked to set up your webcam in Webcam Preferences.
🎤 ▼	Click the microphone button to enable and include the audio from a connected microphone in your video stream. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the Audio Preferences. **Note**: the first time you enable this feature, you may be asked to set up your microphone in Audio Preferences.
⚹ +	Click the video overlays button to enable and include video overlays, such as images or logos, in your video stream. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See Video Overlays for more information.

8. Select the **Save streamed video to disk** option if you want to save a copy of the streamed video on your computer's hard drive. The file is saved in the export folder selected in File Preferences.

9. When ready, click **Live** to begin streaming.

10. When you are done streaming, click the **Stop** button, or press the <u>hotkey specified in preferences</u>, to stop the streaming.

Streaming to Custom Server

Screen Recorder can stream video from your desktop, computer game, connected device, etc. directly up to two custom or personal servers.

> **Note**: Screen Recorder can only stream to custom servers that support the RTMP streaming protocol and stream keys.

To stream video to a custom server, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, first select and set up what you want to stream. See <u>Recording Video</u> for detailed information.

3. Click on the **Stream** tab, on the **Custom** button, and then select the check box above the **Custom** button to enable streaming.

4. Once selected, set up following stream and recording options:

    - **Platform name**: enter a name for your custom stream.

    - **Video resolution**: select the resolution of the streamed video from the drop-down. Select the **Original Resolution** option to match your current Windows display resolution.

    - **Video framerate**: select the framerate of the streamed video from the drop-down.

    - **Server/URL**: enter in the URL to the server that will host your live stream.

    - **Stream key**: enter the stream key provided by the server that will host your live stream.

5. If required, you can choose to include the video feed from a webcam, audio from a microphone, and video overlays in your streaming video. To include, do this:

	Click the webcam button to enable and include the video feed from a connected webcam in your video stream.
	After enabling, click on the ▭ button to set the size and position of your webcam video in the preview window. See <u>Adjusting Webcam/PiP Image Size/Position</u> for more information.
	At any time, you can click the down arrow to the right of the button to quickly change the resolution of the webcam video.
	Note: the first time you enable this feature, you may be asked to set up your webcam in <u>Webcam Preferences</u>.
	Click the microphone button to enable and include the audio from a connected microphone in your video stream. After enabling, use the available slider to set the input volume for your microphone. You can also click the down arrow to the right of the button to quickly access all of the <u>Audio Preferences</u>.
	Note: the first time you enable this feature, you may be asked to set up your microphone in <u>Audio Preferences</u>.
	Click the video overlays button to enable and include video overlays, such as images or logos, in your video stream. Click the + next to the button to add PiP images and set the opacity of the images and webcam window. See <u>Video Overlays</u> for more information.

6. Select the **Save streamed video to disk** option if you want to save a copy of the streamed video on your computer's hard drive. The file is saved in the export folder selected in <u>File Preferences</u>.

7. When ready, click **Live** to begin streaming.

8. When you are done streaming, click the **Stop** button, or press the <u>hotkey specified in preferences</u>, to stop the streaming.

Streaming to Multiple Locations

Screen Recorder can stream video to multiple locations at once. To stream video to multiple locations, do this:

1. Launch Screen Recorder.

2. On the **Record** tab, first select and set up what you want to stream. See Recording Video for detailed information.

3. Click on the **Stream** tab, and then select the check box and enter in the required options for each of the locations you want to stream video to, i.e. Twitch, YouTube, etc.

4. When ready, click the **Live** button at the bottom of one of the selected stream locations to begin streaming.

5. Confirm that you want to live stream to all the mentioned locations by clicking the **Yes** button.

> **Note**: you cannot add a new stream location once you start the live stream.

6. When you are done streaming, click the **Stop** button, or press the hotkey specified in preferences, to stop the streaming.

Chapter 4:

Video Overlays

When recording or streaming videos, you can include video overlays in the video image. Video overlays can be any image in the BMP, GIF, JPG, or PNG format, such as a logo or other image. Video overlays also include your webcam video feed.

Adding PiP Images

To add PiP (picture in picture) images to your recording or stream, do this:

> **Note**: you can have up to 10 PiP images in your video.

1. Launch Screen Recorder.

2. On the **Record** or **Stream** tab, set up your recording or stream options as required.

3. Click the **+** next to the video overlays button
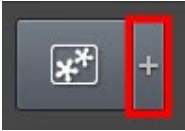
4. In the Video Overlays window, click **Insert Image**.

5. Select the image file on your computer you want to use, and then click **Open**.

> **Note**: Screen Recorder supports Images in the BMP, GIF, JPG, and PNG formats.

6. Adjust the **Opacity** of the image using the slider next to the added image in the list.

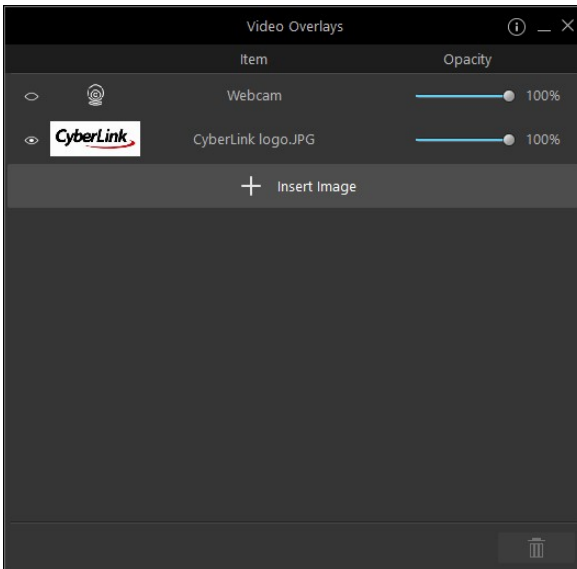7. Click **+** again to close the Video Overlays window.

Editing Video Overlays

You can edit the added PiP images and adjust the opacity of your webcam video in the Video Overlays window. To edit video overlays, do this:

1. On the **Record** or **Stream** tab, click the **+** next to the video overlays button.
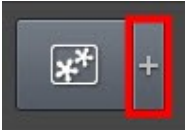
2. In the Video Overlays window,

    you can perform the following edits:

*   use the **Opacity** sliders to adjust the opacity of the webcam video and the PiP images.

*   click to hide the webcam video or a PiP image, or to have them display in the video.

- select a PiP image and then click [🗑] to remove it.

- click **Insert Image** to add more PiP images.

- click and drag a video overlay to change the display order in your video recording/stream, i.e. which item is on top.

3. Click + again to close the Video Overlays window.

Chapter 5:

Previewing Recording/Stream

Before you start a recording or stream you can click the [   ] button to preview what your video will look like in the preview window. In the preview window you can also adjust the size and position of any video overlays in your video, including PiP images and your webcam video feed.
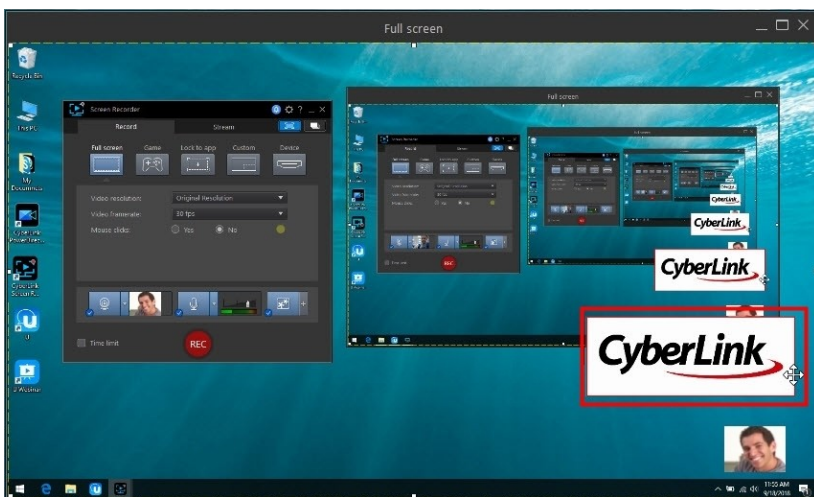
Adjusting Webcam/PiP Image Size/Position

In the preview window you can adjust the size and position of your webcam video feed and any PiP images you included. To adjust the size and position, do this:

1.   In the Screen Recorder window, click [   ] to open the preview window.
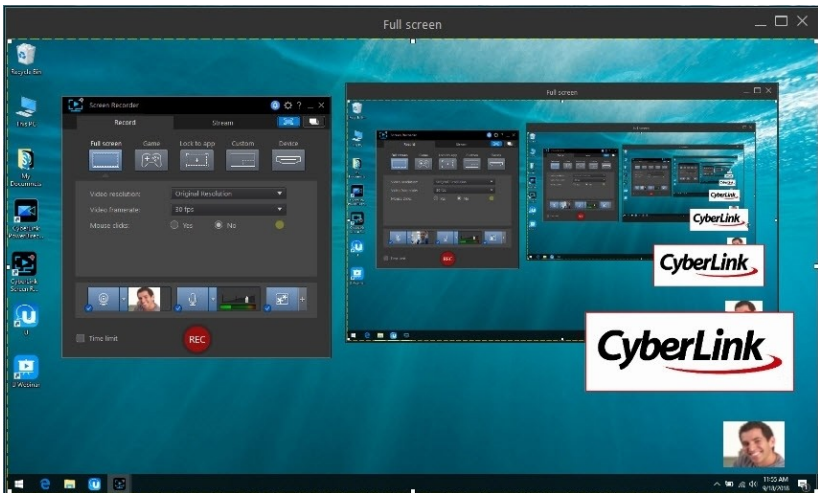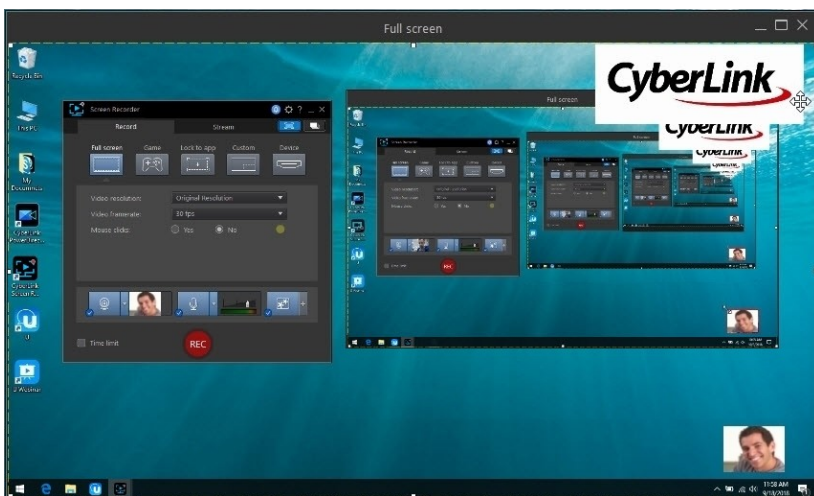

2.   Click on the webcam video or a PiP image,

and then move it to the desired location on the video image.
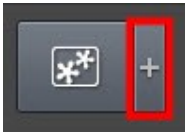

3. Select the edge of the webcam video or a PiP image,
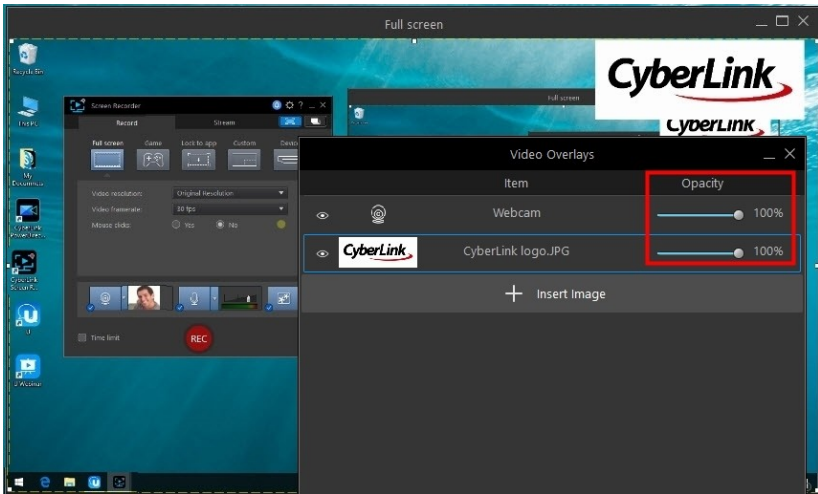
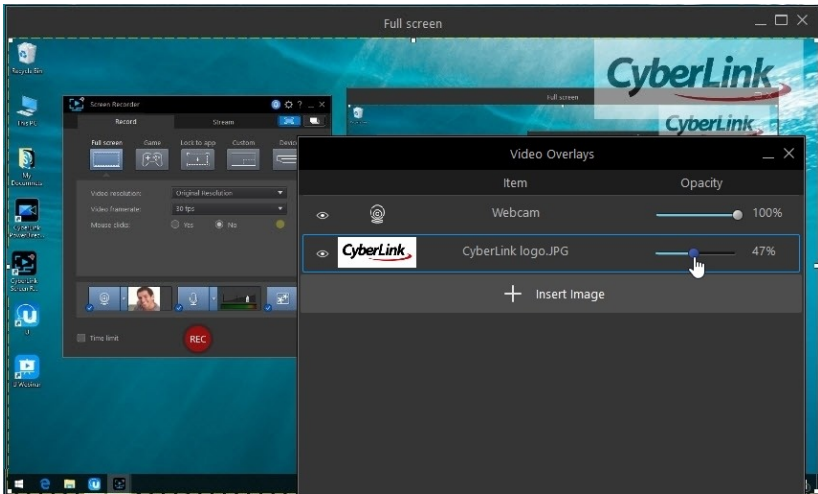and resize it as required.
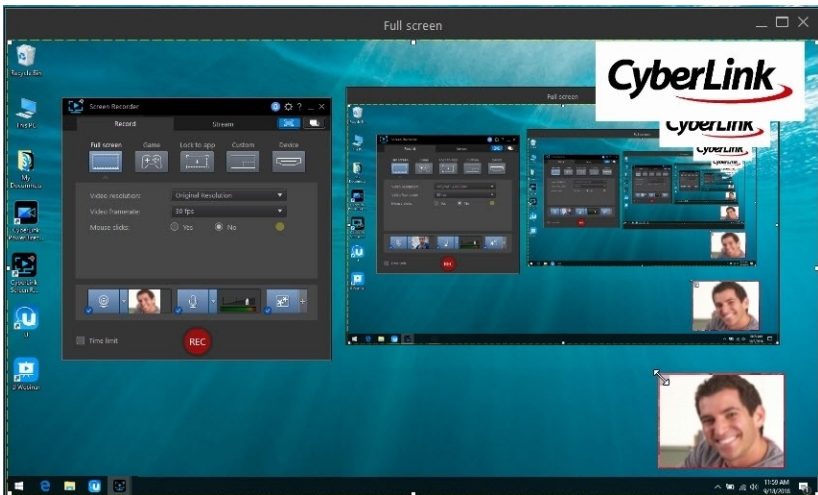
4.   If required, you can adjust the webcam/PiP image opacity by clicking the +
      next to the video overlays button,

31

and then adjusting the Opacity sliders.

5. When you are done, click + again to close the Video Overlays window, and
    [icon] to close the preview window.

Chapter 6:

Library Window

All of your recorded videos and captured photo screenshots are saved in the library.

To access the library window, just click ![icon] in the Screen Recorder window.
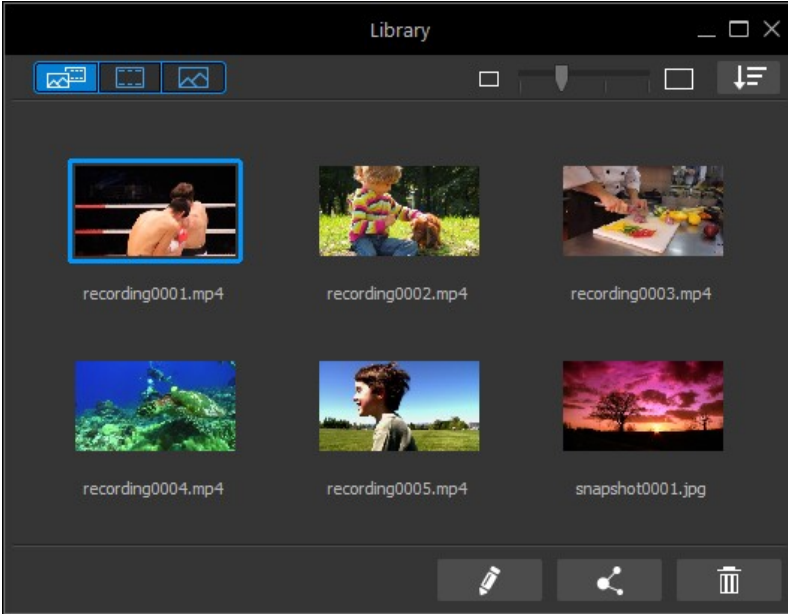
The media in the library window is organized by capture date, but you can click

![sort icon] to sort it by name, file size, capture date, and more, in ascending or descending order. Use the slider near the top right of the window to adjust the size of the media thumbnails in the library.

You can also filter the media in the library using the buttons in the top left corner as follows:

- ![icon] - click to view all the captured media in the library window.

- ▭ - click to view only the recorded videos in the library window.

- 🖼 - click to view only the captured photo screenshots in the library window.

Select a video file in the library, click ✏, and then select **Edit with Screen Recorder's video editor** to perform some edits on the video file. Click on ⤴ to share the video on social media web sites, including YouTube.

If you'd like to delete media from the library window, just select it and then click the 🗑 button in the bottom right corner of the window. Click the **X** in the top right of the window or 🗗 in the Screen Recorder window to hide the library window.

Sharing Media

The video files you recorded with Screen Recorder can be shared on social media web sites. Select a video file in the library and then click on ⤴ to share it to the following online media web sites.

> **Note**: the recorded video clips are rendered before they are uploaded to online media web sites. You can produce and upload in up to 4K resolution (Ultra HD). Before production, be sure to select the desired video resolution in the **Profile name/Quality** drop-down.

In Screen Recorder, you can:

▾ Upload Your Media to YouTube

To upload a video to YouTube, do this:

> **Note**: if the size/length of the your video exceeds the maximum allowed, Screen Recorder will separate the video into smaller/shorter videos, upload these videos, and then create a playlist for you on YouTube.

1. In the Screen Recorder window, click [ ] to open the library.

2. Select the video file in the library you want to upload and then click [ ] .

3. Click the **YouTube Videos** button.

4. Select the desired quality of your video from the **Profile type** drop-down. The quality you select will result in the corresponding quality option being available after the video is fully processed on YouTube.

> **Note**: the quality option available on YouTube is also dependent on the original captured video quality and the bandwidth of the user who is watching the video.

5. Enter a **Title** and **Description** for your video in the fields provided. The text you enter is included on YouTube once uploaded. Also select one of the **Video categories** and enter in some keyword **Tags** that users can search for to find your video.

6. Set whether you want the video to be **Public** or **Private** once it is uploaded to YouTube.

7. If required, select **Enable preview during production** to preview your video during production. Selecting this option will increase the time required to produce the file before upload.

8. Click **Start** to begin.

9. Click **Authorize** and then grant Screen Recorder permission to upload videos to your YouTube account by following the steps in the YouTube Authorization windows.

10. Screen Recorder proceeds to produce and upload the video file. Click **Close** when done to return to the program.

▾ Upload Your Media to Dailymotion

To upload your video to Dailymotion, do this:

> **Note**: if the size/length of the your video exceeds the maximum allowed, Screen Recorder will separate the video into smaller/shorter videos, upload these videos, and then create a playlist for you on Dailymotion.

1. In the Screen Recorder window, click [icon] to open the library.

2. Select the video file in the library you want to upload and then click [icon].

3. Click the **Dailymotion** button.

4. Select the desired quality of your video from the **Profile type** drop-down. The quality you select will result in the corresponding quality option being available after the video is fully processed on Dailymotion.

> **Note**: the quality option available on Dailymotion is also dependent on the original captured video quality and the bandwidth of the user who is watching the video.

5. Enter a **Title** and **Description** for your video in the fields provided. The text you enter is included on Dailymotion once uploaded. Also select one of the **Video categories** and enter in some keyword **Tags** that users can search for to find your video.

6. Set whether you want the video to be **Public** or **Private** once it is uploaded to Dailymotion.

7. If required, select **Enable preview during production** to preview your video during production. Selecting this option will increase the time required to produce the file before upload.

8. Click **Start** to begin.

9. Click **Authorize** and then grant Screen Recorder permission to upload videos to your Dailymotion account by following the steps in the Dailymotion Authorization windows.

10. Screen Recorder proceeds to produce and upload the video file. Click **Close** when done to return to the program.

▼ Upload Your Media to Vimeo

To upload your video to Vimeo, do this:

> **Note**: if the size/length of the your video exceeds the maximum allowed, Screen Recorder will separate the video into smaller/shorter videos, upload these videos, and then create a playlist for you on Vimeo.

1. In the Screen Recorder window, click to open the library.

2. Select the video file in the library you want to upload and then click .

3. Click the **Vimeo** button.

4. Select the desired quality of your video from the **Profile type** drop-down. The quality you select will result in the corresponding quality option being available after the video is fully processed on Vimeo.

> **Note**: the quality option available on Vimeo is also dependent on the original captured video quality and the bandwidth of the user who is watching the video.

5. Enter a **Title** and **Description** for your video in the fields provided. The text you enter is included on Vimeo once uploaded. Also enter in some keyword **Tags** that users can search for to find your video.

6. Set whether you want the video to be **Public** or **Private** once it is uploaded to Vimeo.

7. If required, select **Enable preview during production** to preview your video during production. Selecting this option will increase the time required to produce the file before upload.

8. Click **Start** to begin.

9. Click **Authorize** and then grant Screen Recorder permission to upload videos to your Vimeo account by following the steps in the Vimeo Authorization windows.

10. Screen Recorder proceeds to produce and upload the video file. Click **Close** when done to return to the program.

▾ Upload Your Media to Niconico Douga

To upload your video to Niconico Douga, do this:

Note: if the size/length of the your video exceeds the maximum allowed, Screen Recorder will separate the video into smaller/shorter videos, upload these videos, and then create a playlist for you on Niconico Douga.

1. In the Screen Recorder window, click [icon] to open the library.

2. Select the video file in the library you want to upload and then click [icon].

3. Click the **Niconico Douga** button.

4. Enter your Niconico Douga **Username** and **Password**. If you don't have an account, click the **Sign Up to Niconico** link to get one.

5. Select the desired quality of your video from the **Profile type** drop-down. The quality you select will result in the corresponding quality option being available after the video is fully processed on Niconico Douga.

> **Note**: the quality option available on Niconico Douga is also dependent on the original captured video quality and the bandwidth of the user who is watching the video.

6. Enter a **Title** and **Description** for your video in the fields provided. The text you enter is included on Niconico Douga once uploaded. Also enter in some keyword **Tags** that users can search for to find your video.

7. Set whether you want the video to be **Public** or **Private** once it is uploaded to Niconico Douga.

8. If required, select **Enable preview during production** to preview your video during production. Selecting this option will increase the time required to produce the file before upload.

9. Use the player controls in the preview window to find the frame of video in your production you want to use as the video's thumbnail on the Niconico Douga web site, and then click the **Set Thumbnail** button.

10. Click **Start** to begin.

11. Click **Authorize** and then grant Screen Recorder permission to upload videos to your Niconico Douga account by following the steps in the Niconico Douga Authorization windows.

12. Screen Recorder proceeds to produce and upload the video file. Click **Close** when done to return to the program.

Upload Your Media to Youku

To upload your video to Youku, do this:

> **Note**: if the size/length of the your video exceeds the maximum allowed, Screen Recorder will separate the video into smaller/shorter videos, upload these videos, and then create a playlist for you on Youku.

1. In the Screen Recorder window, click to open the library.

2. Select the video file in the library you want to upload and then click

    ![icon] .

3. Click the **Youku** button.

4. Select the desired quality of your video from the **Profile type** drop-down. The quality you select will result in the corresponding quality option being available after the video is fully processed on Youku.

    > **Note**: the quality option available on Youku is also dependent on the original captured video quality and the bandwidth of the user who is watching the video.

5. Enter a **Title** and **Description** for your video in the fields provided. The text you enter is included on Youku once uploaded. Also select one of the **Video categories** and enter in some keyword **Tags** that users can search for to find your video.

6. Set whether you want the video to be **Public** or **Private** once it is uploaded to Dailymotion.

7. If required, select **Enable preview during production** to preview your video during production. Selecting this option will increase the time required to produce the file before upload.

8. Click **Start** to begin.

9. Click **Authorize** and then grant Screen Recorder permission to upload videos to your Youku account by following the steps in the Youku Authorization windows.

10. Screen Recorder proceeds to produce and upload the video file. Click **Close** when done to return to the program.

Chapter 7:

Editing Recorded Video Clips

The Screen Recorder comes with a video editor*, which lets you perform trims, add titles and transitions, and more.

> **Note**: * this feature is only available in the Deluxe edition of Screen Recorder 4.

To enter the editing window, select a video file in the library, click [pencil icon], and then select **Edit with Screen Recorder's video editor**.

> **Note**: if you have CyberLink PowerDirector installed and you want to edit with it instead, click [pencil icon] and then select **Edit with PowerDirector**.

Splitting a Clip

You can quickly split a video clip that is on the storyboard into two separate clips. To do this, move the playback slider (or use the player controls) to the position in the clip where you want to split it. Next, click the [split button] button above the storyboard to separate it into two clips.
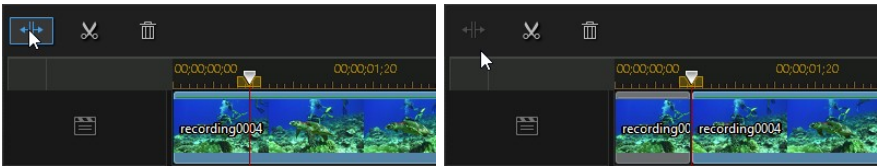

You can also use it to quickly remove unwanted portions of a video clip, or if you want to insert other videos between the two portions.

Trimming Video Clips

Use the trim functions to remove unwanted portions from the beginning and/or ends of a video clip.

> **Note**: when you trim video clips, the program does not delete any of the original source media's content. It just marks the requested edits on the clips and then applies the edits when it renders the final video during production.

To trim a video clip, select it on the storyboard and then click the ✂ button above the storyboard.
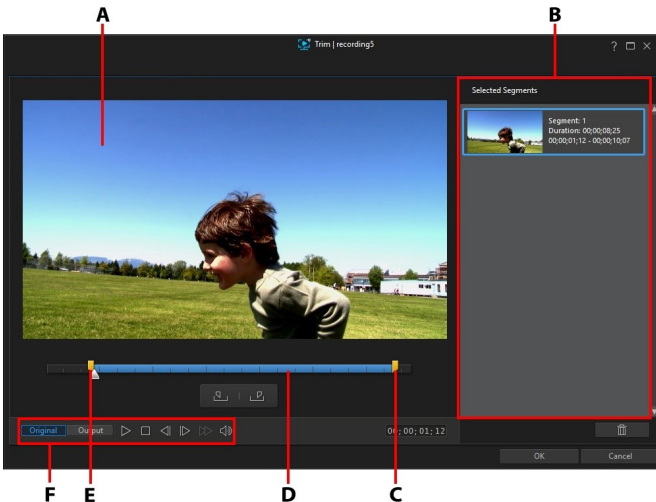

A - Preview Area, B - Marked Positions in Clip, C - Mark Out Position Slider, D - Selected Content, E - Mark In Position Slider, F - Player Controls

To trim a video clip, do this.

1. Select the video clip on the storyboard you want to trim, and then click on the ✂ button above the storyboard.

2. Use the player controls to find where you want the trimmed clip to begin, and then click [ ] to set the mark in position or drag the mark in position slider to this position.
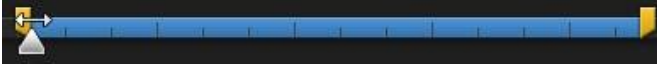
3. Use the player controls to find where you want the trimmed clip to end, and then click [ ] to set the mark out position or drag the mark out position slider to this position.
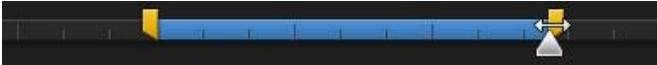
4. If required, you can preview what the trimmed clip will look like by clicking **Output** and then clicking the play button on the player controls. Click **Original** if you want to play the original video.

5. Click **OK** to set your changes and trim the clip.

> **Note**: you can reenter the trim window to refine the trimmed clip at any time.

Changing the Shape of Media

Screen Recorder lets you change the shape of the video clips. Videos on the storyboard have freeform properties, so you can easily change their shape to create media that is different from the usual rectangle or square shape.

To change the shape of a video clip, do this:

1. Select a video clip on the storyboard. The media crosshairs will be displayed.

2. Use your mouse to click and drag the blue nodes in the corners of the video clip, changing it to the desired freeform shape.

Adding Title Effects

Title effects let you add text to your videos, such as captions, or open and closing credits. You add title effect templates to the storyboard, and they can be customized in the Title Designer.

To add a title effect template to the storyboard, do this:

1. Click on the **Titles** tab to open the Title room.

2. Browse through the available title effect templates. You can click one to view a preview in the preview window.

3. When you find the title effect template you like, drag and drop it on top of the video on the storyboard.

4. Adjust the length of the title effect on the storyboard by dragging both its ends. Doing this sets the duration the title is displayed in your video.
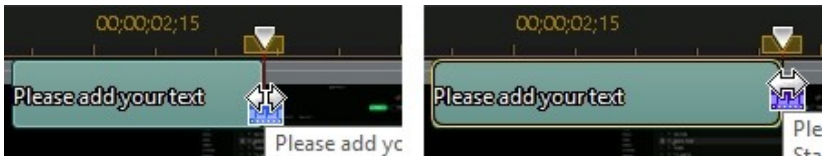
Once added to the storyboard, select the title effect template and then click the

 button to edit the text it in the Title Designer. See Modifying Titles in the Title Designer for more information.

Modifying Titles in the Title Designer

In the Title Designer* you can customize the title effects in your project. Title effects contain character presets, animation, and background options that you can modify to fit your video project.

To open the Title Designer, select a title effect on the storyboard and then click the

 button.
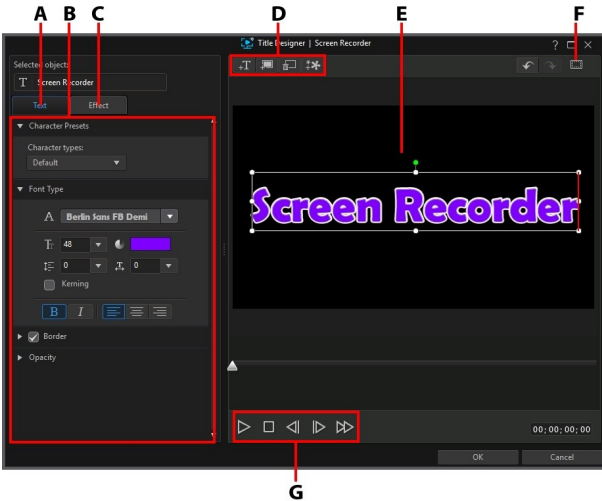
A - Text Properties Tab, B - Title Properties, C - Title Animation Effect Tab, D - Insert Text/Backgrounds,
E - Title Text, F - TV Safe Zone/Grid Lines, G - Player Control

In the Title Designer you can perform the following functions:

Add Text, Images, and Backgrounds

Each title effect template can contain one or more title text boxes. It can also contain images and a background that the text displays over.

Adding Title Text

By default there is one title text box in the Title Designer when it's opened. To edit the text in the title text, just click in the box, ensure the default text is selected, and then type in your text.

You can also add additional title text boxes. To add new title text, click on the

![T] button and then click in the preview window to add the title text box to the desired position. Type in the required text in the new title text box.

See Modifying Title Text Properties for more information on customizing the default title text properties to fit the title effect you are trying to create.

Inserting Backgrounds

Your title effect can consist of a background that the title text displays over.

To set a background, do this:

1. Click on the ⬛ button.

2. Browse to and then select the image on your computer you want to use as the background, and then click **Open**.

3. When prompted, select the adjustment setting for the background that best fits your requirements.

> **Note**: to remove the imported background image, just click the 🗑 button.

Adding Images

You can insert your own images into your title effect template.

To add a image, do this:

1. Click on the ✱ button.

2. Browse to and then select the image on your computer you want to add, and then click **Open**.

3. Once added, resize and reposition the image in the Title Designer as required, just like a title.

▾ Modify Title Effect Position

You can change the position and orientation of the title text in a title effect, quickly and easily.

> **Note**: click on ▦ to use the TV safe zone and grid lines to help with the precise placement of the title effect on the master video. Select **Snap to Reference Lines** to have the title effect snap to the grid lines, TV safe zone, and boundary of the video area.

To modify title text or orientation:

- click on the title text, and then drag it to a new position.
- click on ● above the title text or image, and drag it right or left to change its orientation.
- click and drag a corner or side to resize the title text.

▾ Modify Title Text Properties

Click on the **Text** properties tab to modify everything from the text size, style, color, as well as adding borders, and much more.

Applying Character Presets to Title Text

Select the **Character Presets** option to apply a defined character preset to title text. After you have applied a defined character preset you can refine it using the other properties on the tab, if required.

To apply a character preset to title text, ensure the text box is selected in the preview window and then click on a character preset in the list.

Note: once you are done customizing all of the text properties on the tab, click on ⬚ to save the character preset to your favorites. To find and use saved character presets, select **My Favorites** in the **Character types** drop-down.

Customizing Font Type

Select the **Font Type** option to set the font type and size of the selected title text. You can also select the font face color, bold or italicize text, change the line and text spacing, and set the text alignment in the text box.

If the font type you are using supports it, you can select the **Kerning** check box to reduce the space between the letters in the title text.

Applying a Border

Select the **Border** option to add a border around the title text. Available options allow you to change the border's size, and add an opacity or blur effect.

You can customize the border color using the following options in the **Fill type** drop-down:

- **Uniform color**: select this option if you want the border to be one solid color. Click the colored square to open the color palette and select the desired border color.

- **2 color gradient**: select this option if you want the border color to change from one color to another using a gradient. Click the colored squares to set the beginning and ending colors, and then drag the **Gradient direction** control to set which way the color flows.

- **4 color gradient**: select this option if you want the border to consist of four colors. Click the colored squares to set the colors in each of the four corners of the border.

Opacity

Select this option to use the **Opacity** slider to set the level of transparency of the selected title text.

▼ Applying Animation Effects to Title Text

Click on the **Effect** tab to apply animations to title text, such as text fades, text motion, or wipes.

To apply animation to text, do this:

1. Select the title text you wish to animate in the preview window.

2. Select the **Starting Effect** option and then select an animation from the available list.

3. Select the **Ending Effect** option and then select an animation from the available list.

Once you are done modifying the title effect in the Title Designer, click the **OK** button to close the window and set your changes in your video.

> **Note**: if you'd like to perform additional editing after closing the Title Designer, just select the title again in the storyboard and then click the T∂ button.

Using Transitions

Click the **Transition** tab to open the Transition Room and access a library of transitions that you can use on video clips. Transitions let you control how clips appear and disappear in your final video.

Adding Transitions to a Video Clip

By adding a transition to a video clip, you can control how the clip appears and/or disappears in your video.

To add a transition to a video clip, do this:

1. Click on **Transitions** tab to open the Transition Room.

2. Select a transition effect and then drag it to the beginning (prefix transition) of the clip on the storyboard.

3. Select a transition effect and then drag it to the end (postfix transition) of the last clip on the storyboard.

To change the duration of the transition, select it and then click on the button above the storyboard. If you want to remove the transition from the clip, just click on it in the thumbnail and then press the key on your keyboard.
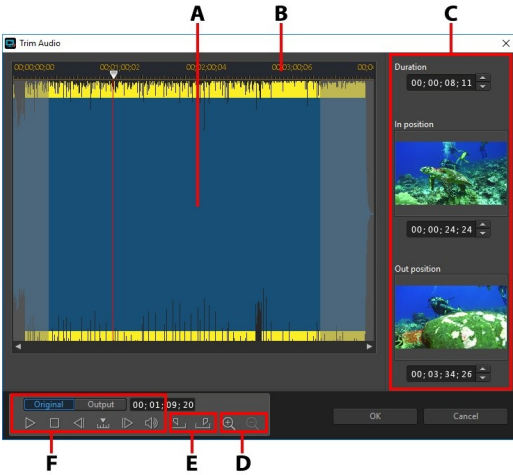
Adding Background Music

You can easily add background music to your video. To add background music, do this

1. Click on the button to the left of the storyboard.

2. Browse to the music you want to add, select it, and then click **Open** to add it to the background music track. You can add multiple audio clips to the background music track, if required.

Once the background music is added, you can trim the audio or mix the audio in track using volume keyframes.

Trimming Background Music

You can quickly trim off unwanted portions at the beginning and end of an audio clip on the background music track.

A - Audio Waveform, B - Timeline Slider, C - Marked Positions in Clip, D - Zoom Controls, E - Mark In/Out Buttons, F - Player Controls

To trim an audio clip, do this.

1. Select the audio clip on the background music track, and then click on the

    ![scissors] button above the storyboard.

2. If required, use ![zoom in] and ![zoom out] to zoom in and out on the audio waveform for a more precise edit.

3. Use the player controls to find where you want the trimmed clip to begin, or the mark in position.

4. Click ![mark in] to set the mark in position.

5. Use the player controls or drag the timeline slider to position where you want to audio clip to end, and then click ![mark out] to set the mark out position.

6. Click **OK** to set your changes and trim the clip.

Using Volume Keyframes to Mix Audio Level

You can manually adjust the volume level of individual audio clips on the storyboard. To do this, hold down the Ctrl key on your keyboard and then click on the audio level line at the point where you want to change the audio level. Drag the volume keyframe up to increase the volume, or down to decrease the volume.
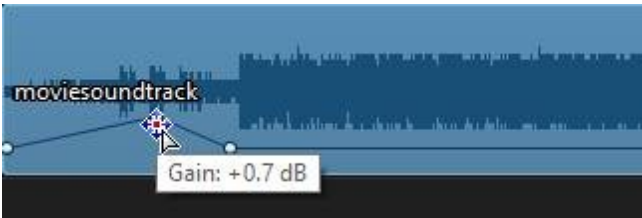
Recording Voice-Overs

Click to the left of the storyboard to open the voice-over panel and record a narration with a microphone while watching a preview of your video.
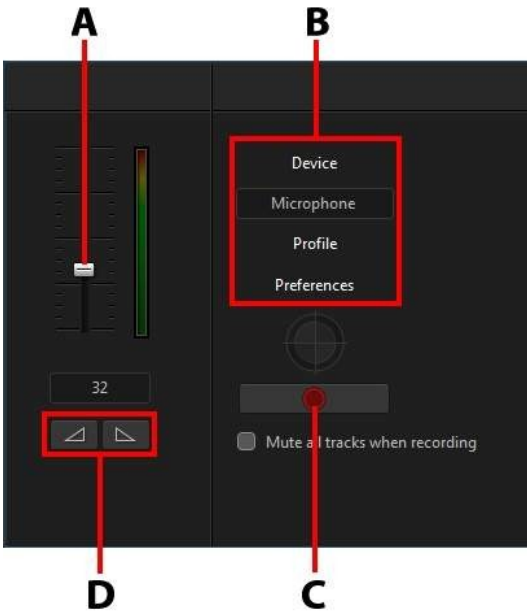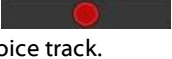
A - Recording Volume Level, B - Recording Preferences, C- Record/Stop Button, D- Fade-In/Out

When you capture your voice-over, the audio is placed on the voice track and is automatically synchronized with the video. Set your recording preferences as follows:

- click **Device** to select your audio device and input.

- click **Profile** to set the quality of the recorded audio.

- click **Preferences** to set a recording time limit or three second delay before recording begins to ensure you are ready to record. You can also set auto fades.

- select **Mute all tracks when recording** if you want Screen Recorder to mute all the other audio while you are recording the voice over.

- select ⬜ fade-in the voice over, or ⬜ to add a fade-out effect.

To record a voice over, do this:

1. Set the recording volume level using the available slider.

2. Click [⦿] to begin recording. Record your voice over as you watch the video in the preview window.

3. Click [⦿] to stop recording. The captured voice clip is placed on the voice track.

Producing Your Edited Video

When you are done editing your video, and you are satisfied with the results after viewing it in the preview window, it's time to produce it.

To begin producing your edited video, click the **Produce** button in the bottom right corner. In the Produce dialog you have two options:

- **Produce & Save**: select this option if you want to create a video file on your computer's hard drive. See Producing and Saving to a Video File for detailed information.

- **Produce & Share**: select this option if you want to render your edited video and then have it uploaded to a social media web site such as YouTube or Vimeo. See Sharing Media for detailed information.

Producing and Saving to a Video File

You can produce your video in the H.264 AVC (.MP4) format and save it as a video file that you can watch on a computer, mobile device, and more.

To output your video production, do this:

1. Select the **Profile name/Quality** you want to use to create the file. This selection determines the video resolution, file size, and overall quality of the outputted file.

> **Note**: H.264 AVC video file formats support up to 4K resolution (Ultra HD). Before production, be sure to select the desired video resolution in the **Profile name/Quality** drop-down.

2. If required, select the country where the video file will be played from the **Country/video format of disc** drop-down.

3. If required, set the **Export** folder where the produced file will be saved. Click

   [...] to choose a different export folder.

4. If required, select **Enable preview during production** to preview your video during production. Selecting this option will increase the time required to produce your file.

5. Click the **Start** button to begin producing your file.

Editing Preferences

To set your editing preferences in the editing window of the Screen Recorder, just click the [⚙] button.

Editing Preferences

Click the [⚙] button to open the Preferences window, and then select the **Editing** tab. The available options are as follows:

Durations:

- set the default durations (in seconds) for transitions and titles when placed on the storyboard.

File Preferences

Click the [⚙] button to open the Preferences window, and then select the **File** tab. The available options are as follows:

Default locations:

- **Import folder**: indicates the last folder that media was imported from. To change this folder, click **Browse** and then select a new folder.

- **Export folder**: set the folder where produced videos are saved. To change this folder, click **Browse** and then select a new folder.

Hardware Acceleration Preferences

Click the [⚙] button to open the Preferences window, and then select the **Hardware Acceleration** tab. The available options are as follows:

Hardware acceleration:

> **Note**: ensure you download and install the latest drivers, and any related hardware acceleration software, for your computer's graphics card to enable this feature in Screen Recorder.

- **Enable OpenCL technology to speed up video effect preview/render**: if your computer supports GPU hardware acceleration, select this option to speed up the rendering of some video effects by tapping into the multi-core parallel processing power of your computer.

- **Enable hardware decoding**: if your computer supports NVIDIA CUDA/AMD Accelerated Parallel Processing/Intel Core Processor Family technology, select this option to use hardware acceleration to decode the video during the editing process and when producing video.

- **Enable hardware encoding**: if your computer supports NVIDIA CUDA/AMD Accelerated Parallel Processing/Intel Core Processor Family technology, select this option to use hardware acceleration to encode the video when producing video.

Produce Preferences

Click the ⚙ button to open the Preferences window, and then select the **Produce** tab. The available options are as follows:

Produce:

- **Reduce video blocky artifacts (Intel SSE4 optimized)**: select this option to improve the production overall quality of produced video, if your computer supports Intel SSE4 optimization.

- **Reduce video noise when using H.264 software encoders**: select this option if you want CyberLink ActionDirector to auto apply video denoise when encoding H.264 video during production.

Chapter 8:

Screen Recorder Preferences

To set your preferences in CyberLink Screen Recorder, just click the ⚙ button.

General Preferences

Click the ⚙ button to open the Preferences window, and then select the **General** tab. The available options are as follows:

Application:

- **Always on top**: select this option to have Screen Recorder appear on top of all your other Windows apps.

- **Minimize after launch**: select this option if you want Screen Recorder to be minimized when it is launched.

- **Minimize when recording/streaming starts**: select this option if you want Screen Recorder to be minimized once recording or streaming starts.

- **Show when recording/streaming is complete**: select this option if you want Screen Recorder to display once the recording or streaming is complete.

Software update:

- **Automatically check for software updates**: select to periodically check for updates or new versions of Screen Recorder automatically.

Language:

- **Use system default language (if supported)**: select this option for the language display to be the same as the language of your operating system. This feature is only available if your operating system's language is one of the supported user defined languages.

- **User defined**: select this option and then select the language from the drop-down list that you want to use.

File Preferences

Click the ⚙ button to open the Preferences window, and then select the **File** tab. The available options are as follows:

Default locations:

- **Export folder**: set the folder where captured media (videos and photos) is saved. To change this folder, click **Browse** and then select a new folder.

File name:

- **Captured video prefix**: enter a default name for captured video files.
- **Screenshot file name**: enter a default name for captured photo screenshots. Select a preferred file format from the drop-down list for your screenshots (JPG or PNG format).

Video Preferences

Click the ⚙ button to open the Preferences window, and then select the **Video** tab. The available options are as follows:

Monitor setup:

- if you have more than one monitor connected to your computer and you have extended your desktop, select whether you want to capture on the **Primary**, **Secondary**, or **Third** monitor.

Note: Screen Recorder can only record one monitor at a time. It cannot record across extended desktops.

Performance:

Note: ensure you download and install the latest drivers, and any related hardware acceleration software, for your computer's graphics card to enable this feature in Screen Recorder.

- **Enable hardware encoding**: if your computer supports NVIDIA CUDA/AMD Accelerated Parallel Processing/Intel Core Processor Family technology, select this option to improve recording performance using hardware encoding.

Editing:

- **Create .mrk file when recording**: select this option if you want to create a log file that tracks the mouse clicks when you record video. This will be helpful if you plan to edit the recorded video in PowerDirector, as these mouse clicks will be indicated on PowerDirector's clip marker track when the recorded file is added to the timeline.

Lock to application:

- **Record only selected window**: select this option when using the "Lock to app" recording option to ensure only the content in the selected window is what is recorded.

Bitrate:

- this preference lets you set the bitrate level of the recorded video file and quality of the streamed video. You can choose a **Preset**, or select the **Custom** option and then click 🔧 to input the bitrates you want. If you choose a preset, see Expected Video Bitrates for a detailed list of the expected bitrates for the selected preset.

> **Note**: higher bitrate levels require a faster and more stable Internet connection for optimal streaming.

Expected Video Bitrates

Below are the expected video bitrates based on the bitrate level selected in Video Preferences, when capturing/streaming with Screen Recorder.

Local Recording

	Low	**Standard**	**High**
1080 (15 fps)	3960 Kbps	5940 Kbps	7920 Kbps
1080 (24/25/30 fps)	6000 Kbps	9000 Kbps	12000 Kbps

1080 (50/60 fps)	9000 Kbps	13500 Kbps	18000 Kbps
1080 (120 fps)	13500 Kbps	20250 Kbps	27000 Kbps
720 (15 fps)	198 Kbps	363 Kbps	528 Kbps
720 (24/25/30 fps)	3000 Kbps	5500 Kbps	8000 Kbps
720 (50/60 fps)	4500 Kbps	8250 Kbps	12000 Kbps
720 (120 fps)	6750 Kbps	12375 Kbps	18000 Kbps
480 (15 fps)	660 Kbps	1650 Kbps	2640 Kbps
480 (24/25/30 fps)	1000 Kbps	2500 Kbps	4000 Kbps
480 (50/60fps)	1500 Kbps	3750 Kbps	6000 Kbps
480 (120 fps)	2250 Kbps	5625 Kbps	9000 Kbps
360 (15 fps)	528 Kbps	924 Kbps	1320 Kbps
360 (24/25/30 fps)	800 Kbps	1400 Kbps	2000 Kbps
360 (50/60 fps)	1200 Kbps	2100 Kbps	3000 Kbps
360 (120 fps)	1800 Kbps	3150 Kbps	4500 Kbps
240 (15 fps)	396 Kbps	660 Kbps	924 Kbps
240 (24/25/30 fps)	600 Kbps	1000 Kbps	1400 Kbps
240 (50/60 fps)	900 Kbps	1500 Kbps	2100 Kbps
240 (120 fps)	1350 Kbps	2250 Kbps	3150 Kbps

Streaming to YouTube

	Low	Standard	High
1080 (24/25/30 fps)	3000 Kbps	4500 Kbps	6000 Kbps
1080 (50/60 fps)	4500 Kbps	6750 Kbps	9000 Kbps
720 (24/25/30 fps)	1500 Kbps	2750 Kbps	4000 Kbps
720 (50/60 fps)	2250 Kbps	4125 Kbps	6000 Kbps
480 (24/25/30 fps)	500 Kbps	1250 Kbps	2000 Kbps
480 (50/60fps)	750 Kbps	1875 Kbps	3000 Kbps

360 (24/25/30 fps)	400 Kbps	700 Kbps	1000 Kbps
360 (50/60 fps)	600 Kbps	1050 Kbps	1500 Kbps

Streaming to Twitch

	Low	Standard	High
1080 (24/25/30 fps)	2500 Kbps	3500 Kbps	4000 Kbps
1080 (50/60 fps)	3750 Kbps	5250 Kbps	6000 Kbps
720 (24/25/30 fps)	2000 Kbps	2500 Kbps	3000 Kbps
720 (50/60 fps)	3000 Kbps	3750 Kbps	4500 Kbps
480 (24/25/30 fps)	1000 Kbps	1500 Kbps	2000 Kbps
480 (50/60fps)	1500 Kbps	2250 Kbps	3000 Kbps
360 (24/25/30 fps)	500 Kbps	800 Kbps	1200 Kbps
360 (50/60 fps)	750 Kbps	1200 Kbps	1800 Kbps

Streaming to Facebook

	Low	Standard	High
720 (24/25/30 fps)	2000 Kbps	2500 Kbps	3000 Kbps
720 (50/60 fps)	3000 Kbps	3750 Kbps	4500 Kbps
480 (24/25/30 fps)	1000 Kbps	1500 Kbps	2000 Kbps
480 (50/60fps)	1500 Kbps	2250 Kbps	3000 Kbps
360 (24/25/30 fps)	500 Kbps	800 Kbps	1200 Kbps
360 (50/60 fps)	750 Kbps	1200 Kbps	1800 Kbps

Audio Preferences

Click the ⚙ button to open the Preferences window, and then select the **Audio** tab. The available options are as follows:

Audio setup:

- **Microphone**: turn your connected microphone **On**/**Off**.

- **System audio**: turn your system's audio **On**/**Off**.

- **Mix**: use the slider to set the mix between your microphone and your system's audio. Dragging it left will increase the volume of your microphone, while dragging it right will increase the volume of the system audio.

Hardware setup:

- **Microphone**: select the microphone connected to your computer that you want to use to record audio.

- **Mic volume**: set the input level for the microphone audio.

- **Input device**: select the audio input device for the system audio you want to use to record audio.

- **Input volume**: set the input level for the input device audio.

Webcam Preferences

Click the ⚙ button to open the Preferences window, and then select the **Webcam** tab. The available options are as follows:

Webcam setup:

- **Webcam**: select the connected webcam you want to use. Click the ⚙ button to adjust the specific settings for your selected webcam. Consult your webcam's user manual for a detailed description of the available controls.

- **Resolution**: select the resolution of the webcam video from the drop-down.

- **Framerate**: select the framerate of the webcam video from the drop-down.

- **Position/Size**: click the ⬚ button to change the position and size of the webcam window. See Adjusting Webcam/PiP Image Size/Position for more detailed information.

Chroma key:

If your webcam video has a solid colored background, for example a green screen, you can select the **Chroma key** option to key out the background and replace it with an imported background image.

Once enabled, do this:

1. Click on the ![pencil icon] button.

2. In the preview window that opens, select the solid background color in the webcam window that will be removed.

3. If required, use the **Color Range** slider to adjust range of color that is removed. Adjusting this slider can remove or add back color in the video that was removed.

4. Use the **Denoise** slider to fine tune the edges of the subject in the webcam video. Using this slider can sharpen the edges of the subject and remove excess pixels.

5. If required, click the ![import icon] button to import a custom background image that will replace the keyed out background color.

Hotkeys Preferences

Click the ![gear icon] button to open the Preferences window, and then select the **Hotkeys** tab. Screen Recorder lets you fully customize its keyboard hotkeys to fit your requirements.

To customize the keyboard hotkeys, do this:

> **Note**: click the **Restore** button if you need to reset a selected hotkey that you customized, to the default value.

1. Click ![gear icon] to open the Preferences window, and then select the **Hotkeys** tab.

2. Browse to and find the hotkey command that you want to customize.

Note: if required, enter in a search keyword in the field provided for the hotkey command you want to customize and then click [🔍]. Click it repeatedly to locate multiple instances of the inputted search keyword, if required.

3. Click in the **Hotkeys** column next to the command you want to customize.

4. Press the hotkey combination on your computer's keyboard that you want to use/replace the existing hotkey with.

Note: if the keyboard hotkey you specify is already in use in the program, you will be asked if you want to remove it from the existing command to use in the new specified command. The replaced command will no longer have a keyboard hotkey associated to it.

5. Repeat the above steps to customize all the keyboard hotkeys to your preference.

6. Once you are done, click the **OK** button, enter a name for the new set of customized keyboard hotkeys, and then click **OK** to apply and save the changes.

Hotkey Sets

When you customize keyboard hotkeys in Screen Recorder, they are saved as hotkey sets. If required you can create multiple sets of hotkeys, which are quickly accessible in the window.

On the Hotkeys preferences tab, you can:

- quickly switch among the saved hotkey sets by selecting the one you want to use from the **Hotkey set** drop-down. Select the **Screen Recorder Default** hotkey set to use the original hotkey settings.

- edit an existing hotkey set by further customizing the keyboard hotkeys, and then clicking the **Save as** button to save it as a brand new hotkey set.

- delete a custom hotkey set by selecting it in the **Hotkey set** drop-down and then clicking the **Delete** button.

Improvement Program Preferences

Click the ⚙ button to open the Preferences window, and then select the **Improvement Program** tab. The available options are as follows:

CyberLink Product Improvement Program

- **I want to participate**: select this item if you would like to participate in the CyberLink Product Improvement Program for Screen Recorder. Once enabled, CyberLink Screen Recorder will collect information about the hardware and software configuration of your computer system, as well as your usage behavior and statistics related to the software. Click the **Read more information about the improvement program online** link to view more detailed information about the content collected.

Note: the CyberLink Product Improvement Program for Screen Recorder will not collect any personal information for purposes of identifying you.

Chapter 9:

Screen Recorder Hotkeys

The following is a list of the default hotkeys available in Screen Recorder for your convenience. If required, you can customize your keyboard hotkeys in the Hotkeys Preferences window.

Hotkey	Description
Library	
Ctrl+E	Edit selected media file.
Ctrl+H	Share selected media file.
System	
Shift+F12	View default hotkey list.
Alt+F4	Exit Screen Recorder program.
Ctrl+P	Open preview window.
Ctrl+L	Open library window.
Shift+K	Open Screen Recorder preferences.
While Streaming/Recording	
F7	Turn mouse clicks on/off.
F8	Turn microphone on/off.
F9	Start/Stop recording or streaming.
F10	Pause/Resume recording or streaming.
F11	Turn webcam on/off.
F12	Take a photo screenshot during recording/streaming. The screenshots are saved in the format set in File Preferences.

Chapter 10:

Technical Support

If you require technical support, then this chapter can help. It includes all the information you need to find the answers you are looking for. You may also find answers quickly by contacting your local distributor/dealer.

Before Contacting Technical Support

Before contacting CyberLink technical support, please take advantage of one or more of the following free support options:

- consult the user's guide or the online help installed with your program.

- refer to the Knowledge Base at the following link on the CyberLink web site: https://www.cyberlink.com/support/search-product-result.do

- check the <u>Help Resources</u> page in this document.

When contacting technical support by e-mail or phone, please have the following information ready:

- registered **product key** (your product key can be found on the software disc envelope, the box cover, or in the e-mail received after you purchased CyberLink products on the CyberLink store).

- the product name, version and build number, which generally can be found by clicking on the product name image on the user interface.

- the version of Windows installed on your system.

- list of hardware devices on your system (capture card, sound card, VGA card) and their specifications. For fastest results, please generate and attach your system info using the DxDiag.txt.

> **Note**: here are the steps to generate the system info DxDiag.txt file: Click Windows (start) button, and then search for "dxdiag". Click **Save All Information** button to save the DxDiag.txt file.

- the wording of any warning messages that were displayed (you may want to write this down or take a screen capture).

- a detailed description of the problem and under what circumstances it occurred.

Web Support

Solutions to your problems are available 24 hours a day at no cost on the CyberLink web site:

> **Note**: you must first register as a member before using CyberLink web support.

CyberLink provides a wide range of web support options, including FAQs, in the following languages:

Language	Web Support URL
English	https://www.cyberlink.com/cs-help
Traditional Chinese	https://tw.cyberlink.com/cs-help
Japanese	https://jp.cyberlink.com/cs-help
Spanish	https://es.cyberlink.com/cs-help
Korean	https://kr.cyberlink.com/cs-help
Simplified Chinese	https://cn.cyberlink.com/cs-help
German	https://de.cyberlink.com/cs-help
French	https://fr.cyberlink.com/cs-help
Italian	https://it.cyberlink.com/cs-help

Help Resources

The following is a list of help resources that may assist you when using any of CyberLink's products.

- Access CyberLink's **Knowledge base** and **FAQ** (frequently asked questions): https://www.cyberlink.com/cs-resource

- View **video tutorials** for your software: https://directorzone.cyberlink.com/tutorial/

- Ask questions and get answers from our users on the **CyberLink Community Forum**: https://forum.cyberlink.com/forum/forums/list/ENU.page

Note: CyberLink's user community forum is only available in English and German.

Index