

liteCam Game

liteCam Game 5 User Guide

liteCam Game 5 User Guide

Last Updated: August 2015

Copyright

liteCam Game 5

Guide Version 3.0

© 2015 RSUPPORT Co., Ltd. All Rights Reserved

The information contained in this manual and future improvements are subject to change without notice.

Rsupport Co., Ltd. hereafter referred to as "Rsupport", does not take any responsibility for any marketability nor compatibility apart from the usage described in the manual.

Under no circumstances will Rsupport be liable to direct, indirect, incidental nor accidental damages due to errors in the manual.

This manual is the intellectual property of Rsupport and is protected under international copyright laws. Reproducing or copying all or part of this document without the prior written consent of Rsupport is a violation of international copyright law.

Windows Vista / 7 / 8 / 10 are registered trademarks of Microsoft Corporation in the U.S. and other countries. Any additional third party registered trademarks mentioned in this manual are used for reference and descriptive purposes only and are still the intellectual property of the third party in question.

1. SYSTEM REQUIREMENTS	5
2. LITECAM GAME INSTALLATION GUIDE	6
A. INSTALLATION	6
B. LAME INSTALLATION	6
3. SETTINGS PRIOR RECORDING	7
A. AUDIO DEVICES	7
B. VIDEO OPTIONS	9
C. VIDEO FILE OPTIONS	11
D. SHORTCUT KEYS	12
4. RECORDING MODE.....	13
A. GAME RECORDING	13
B. VIDEO RECORDING	14
5. RECORD	15
A. VIDEO RECORDING	15
B. GAME RECORDING	15
C. TIMER RECORDING (FOR VIDEO RECORDING MODE)	16
D. STOP/PAUSE RECORDING (VIDEO RECORDING MODE)	17
6. PREVIEW	18
A. SELECT "PREVIEW."	18
B. FULL SCREEN	19
7. GENERAL OPTIONS	24
A. FRAME PER SECOND	24
B. AUDIO FORMAT	26
C. VIDEO FORMAT	27
D. SELECT AN AREA	28
8. ADVANCE RECORDING OPTION	29
A. TITLE.....	29
B. CREDITS	30
C. LOGO.....	31
D. MOUSE EFFECTS	32
E. PIP	33
■ Show/Hide PIP while recording.....	34
F. LOCK FRAME RATE	36
G. OSD	37
■ Show/Hide Game Recording Information.	37
9. STREAMING	38
10.CONVERTING AND EXTRACTING	40
A. CONVERT VIDEO FILES	40
11.ETC	41
A. WORK AND LOG FOLDER	41
B. HIGHLIGHT RECORDING AREA	41
C. BLINKING RECORDING AREA	41

D.	RUN PREVIEW AFTER RECORDING	41
12.HELP	43

1. System Requirements

	Minimum	Recommended
OS	Windows Vista	Windows 7, 8, 10
CPU	1.5GHz single-core CPU	2GHz dual-core CPU or better.
Graphics Card	128MB Video Memory Graphic Card supporting DirectX9 and WDDM driver Video Memory of 512MB or more.	
RAM	1GB RAM or more is recommended	
Sound Card	A sound card that supports Full-duplexing is required.	

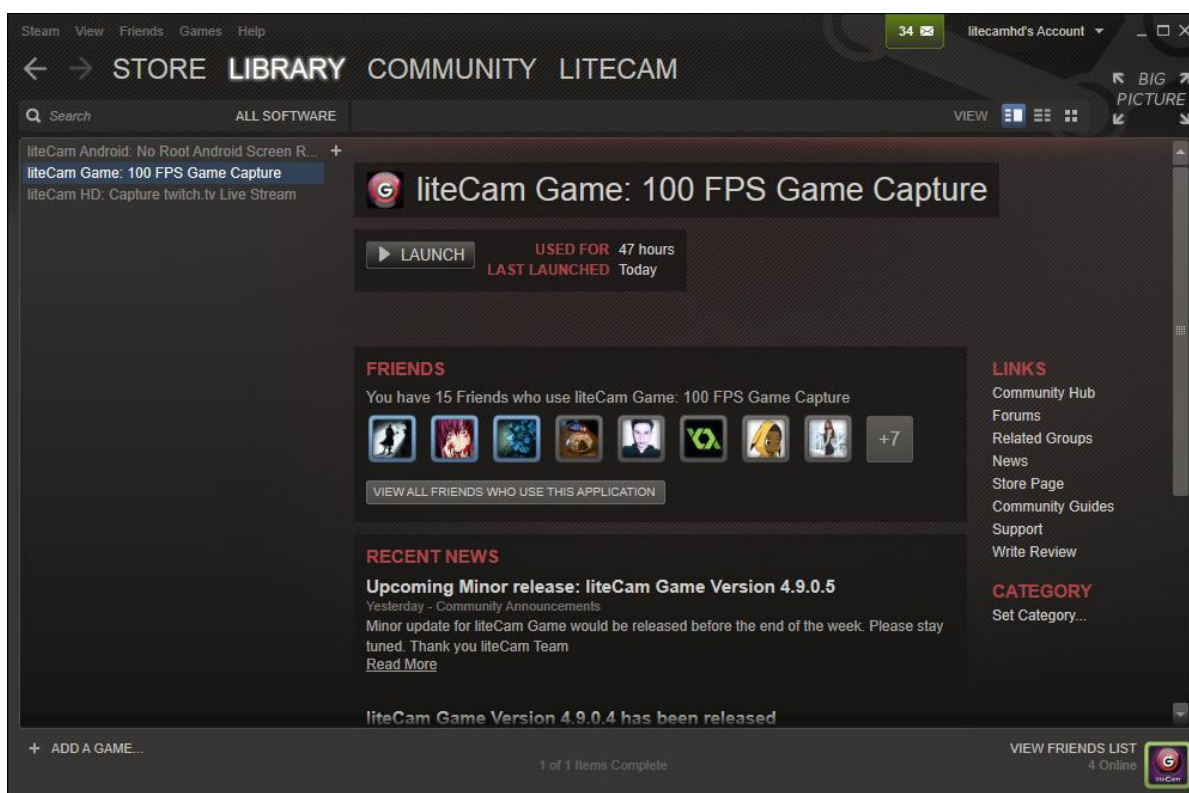
*Microsoft Internet Explorer 8.0 / Microsoft Windows Media Player 11 or later is recommended. You may not be able record computer sounds if you are using a sound card that does not support full-duplexing, upgrading the driver is recommended in order to record computer sounds. If your current sound card does not support full-duplexing, upgrading the driver will not help because it may be hardware related. Depending on which movie or game you intend to record, you may need to upgrade your graphic card, sound card, CPU or RAM, or install the latest version of Direct X.

2. liteCam Game Installation Guide

a. Installation

liteCam Game is only available on Steam. <http://store.steampowered.com/>

To download and install liteCam Game, you must have a Steam account and password. You must install the Steam PC client, as well. <http://store.steampowered.com/about/>



When you have finished installing, click "LAUNCH" to start using liteCam Game.

NOTE: To have an MP3 encoder (LAME), follow the steps below.

b. LAME Installation

Lame is a high quality MPEG Audio layer III (3) encoder. To have an MP3 option, or to save or convert audio to MP3 format, Lame encoder must be installed in your computer. During installation, you will see a dialog box which will prompt you to install the MP3 encoder (Lame), click "OK" to be directed to the website where you can download the Lame file.

Download the zip file and extract it. Copy and paste the "lame_enc.dll file" to the folder below (in case you didn't change the liteCam Game directory)

C:\Program Files\Steam\SteamApps\common\liteCam Game Folder.

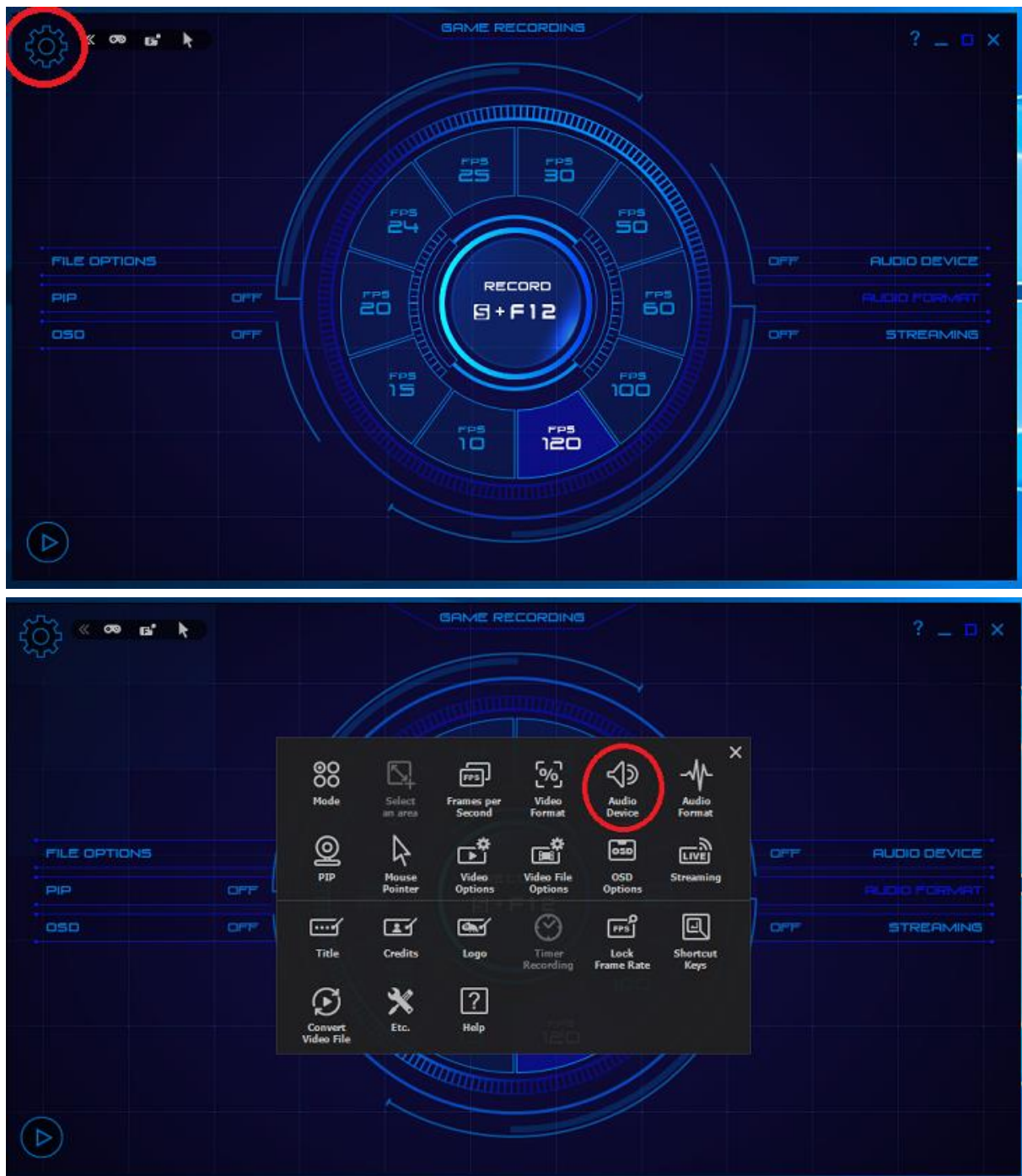
3. Settings Prior Recording

Before recording your monitor screen, some options need to be set. Those options include the following:

a. Audio Devices

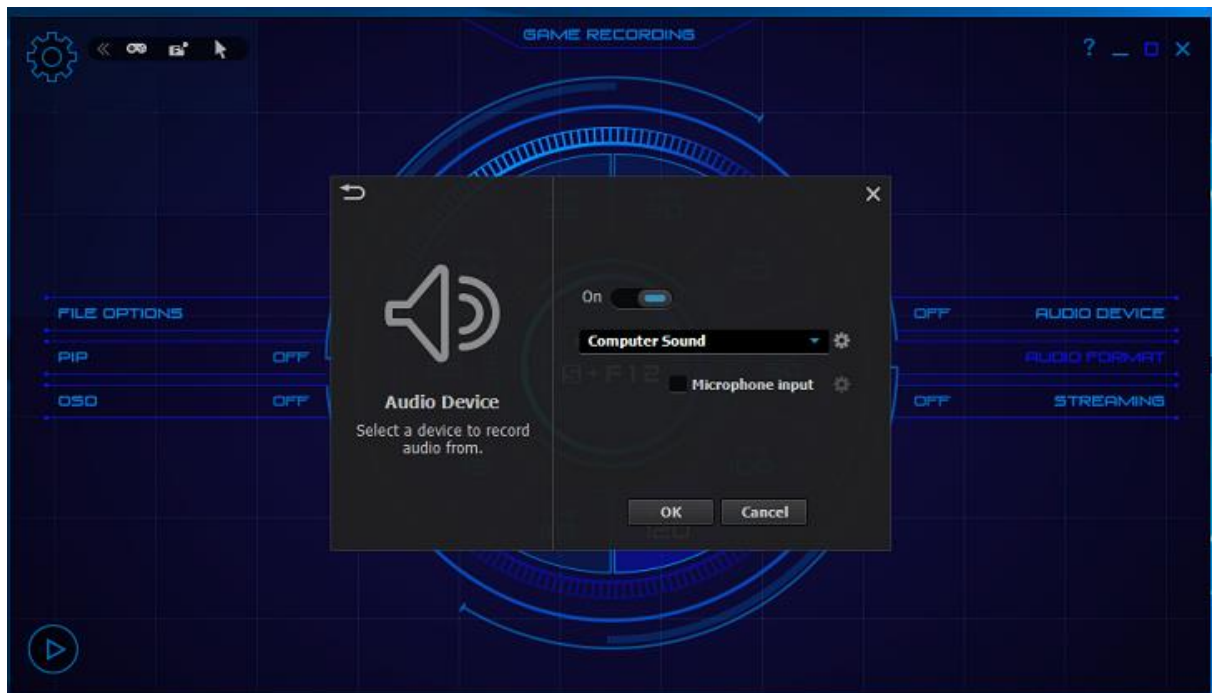
When recording using Game Recording or Video Recording, you need to choose which audio device to record audio/sound from. Record audio/sound from your computer or microphone, or record both computer and microphone sound simultaneously.

Start liteCam Game> Option> Audio Device



Finally, select a device you wish to record audio/sound from.

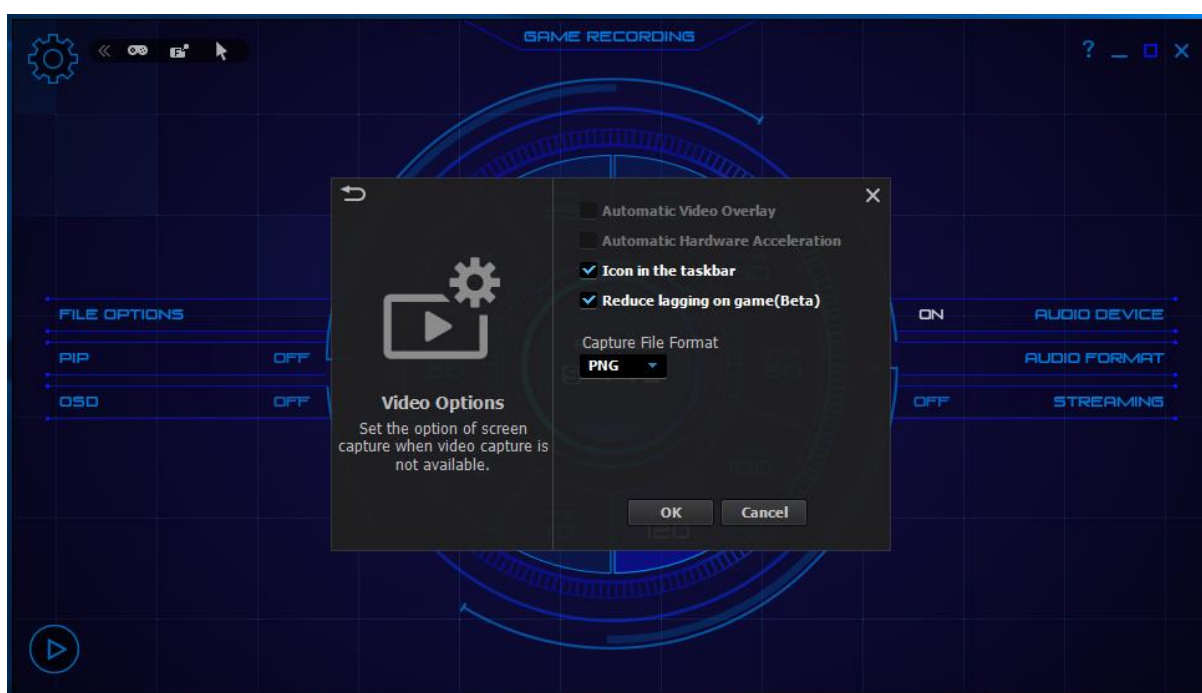
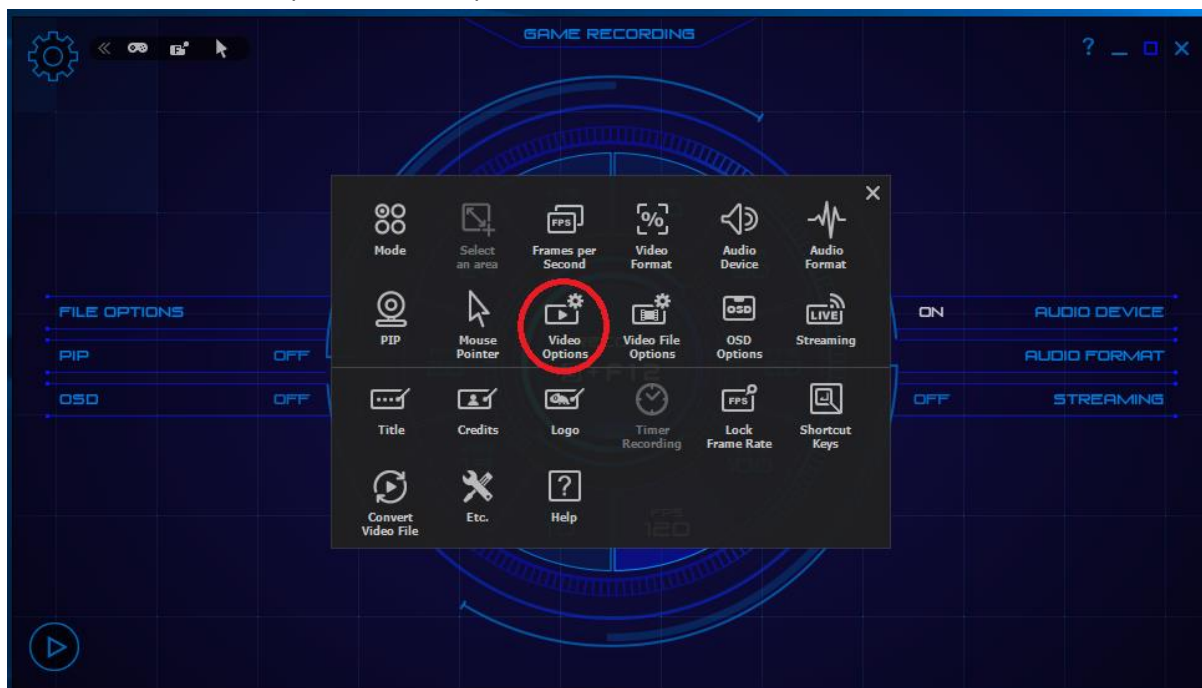
1. Toggle ON
2. Choose either computer sound or microphone sound.
3. For dual recording, select computer sound in 2, and check microphone input.



b. Video Options




When recording using Game Recording or Video Recording, you will have different video options you can use, such as "Automatic Video Overlay", and "Automatic Hardware Acceleration". When recording in full screen, select "Icon in the taskbar". This function will allow you to view the entire screen of your monitor without any issues. In addition, you can choose which picture format to save captured screenshots in.

Start liteCam Game> Option> Video Options



Choose your settings you wish to use.

- **Automatic Video Overlay:** This is a function that allows a video displaying window on a computer display while bypassing the chain of CPU from the graphics card to computer monitor automatically.
- **Automatic Hardware Acceleration:** Automatic hardware acceleration optimizes recording performance by using a hardware-accelerated H.264 encoder. It will allow you to record the target in high speed, with a high compression ratio and excellent quality.

	Nvidia CUDA	AMD APP	Intel Quick Sync
			
OS	Windows Vista, 7, 8	Windows Vista, 7, 8	Windows 7 or 8
Graphic Card	Check yours on nVidia webpage	HD 7700 or higher	i3, i5, i7 processors (2nd~4th generation)
Video Resolution	3840x2160	1920x1080	Haswell: 2560x1600, Pre-Haswell: 1920x1200

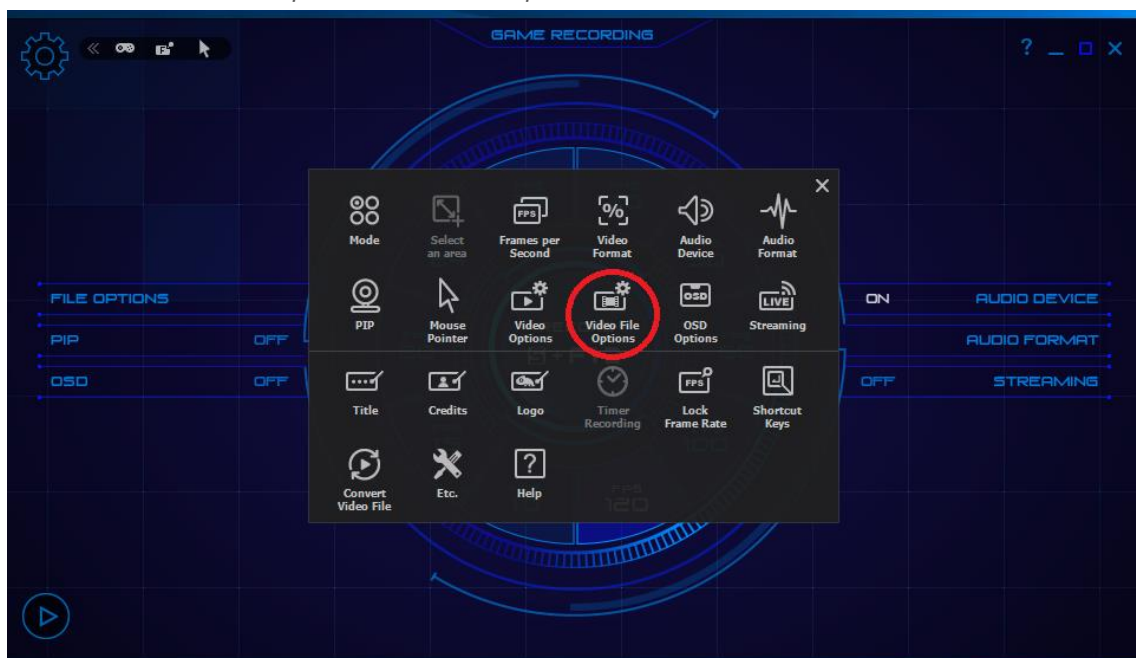
- **Icon in the Taskbar:** To hide 'sidebar' during recording, you will be able to manage functions in the liteCam Taskbar instead of 'Sidebar'.
- **Reduce lag on game (beta):** Uncheck if you have a problem with recorded files.
- **Captured file format:** Change capture file format to PNG or JPG.

c. Video File Options

Select the file format you wish to save your recorded files in, as well as the Video Codec you wish to use. If your computer file system is FAT 32, you will need to select "Continuous Recording" to create a new recording file when the current recording file size reaches 4GB.

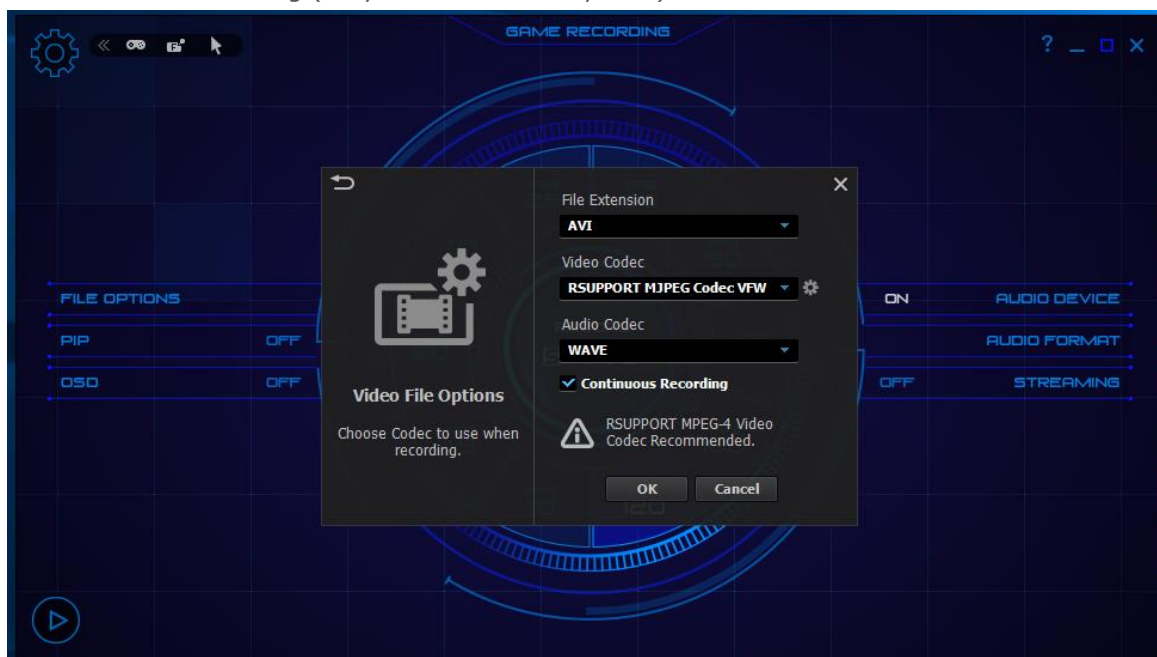
Note: For computers with FAT 32 file systems maximum size of a single file is 4GB

Start liteCam Game> Option> Video File Options.



Finally, select "file extension," "Video Codec," and "Audio Codec".

1. Video Codec
2. Continuous Recording (Only for FAT 32 File System)

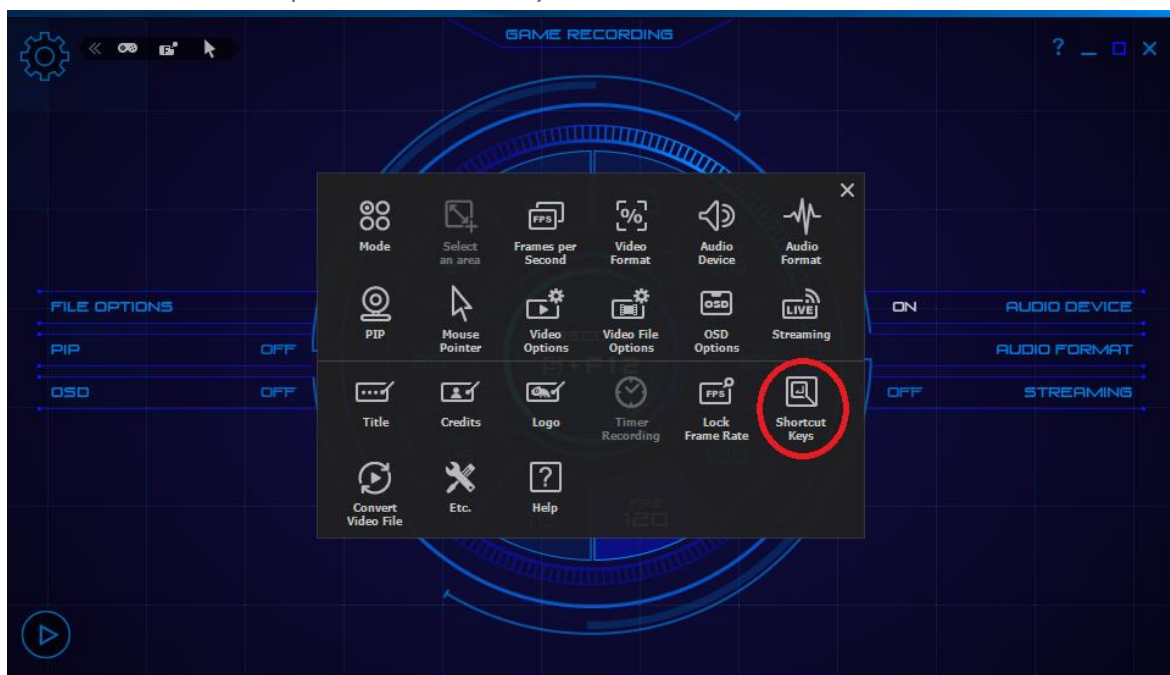


d. Shortcut Keys

Shortcut keys help provide an easier and quicker method of navigating and using liteCam Game when recording using Game Recording and Video recording, You can create shortcut keys for the following options:

"Start", "Pause", "Stop", "Drawing", and "Screen capture"

Start liteCam GAME> Options> Shortcut Keys.



Choose the keys you wish to use as shortcuts when recording. Create shortcut keys for **"Start", "Pause", "Stop", "Draw", and "Capture"**.

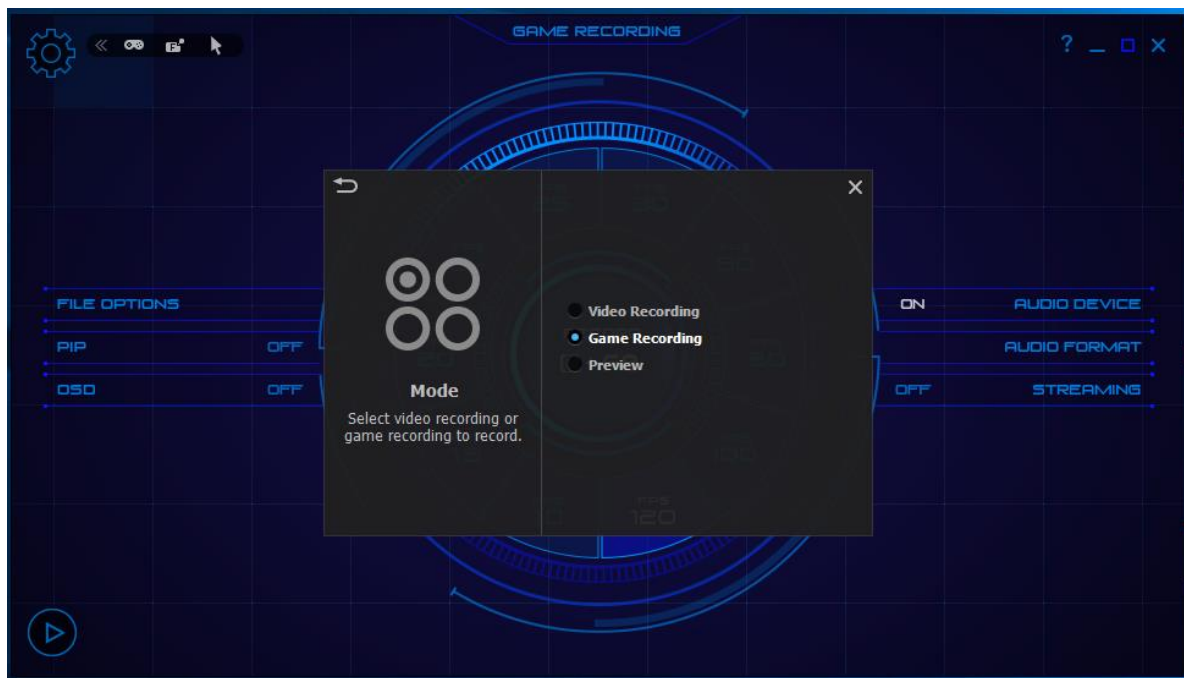


4. Recording Mode

liteCam Game has two different recording modes for different purposes. They are "Game Recording", and "Video Recording".

a. Game Recording

Game Recording is for recording DirectX 7, 8, 9, 10, 11 and OpenGL games. You can record both Steam and non-Steam games. It is recommended to use "RSUPPORT MJPEG Codec" when recording games.



b. Video recording

It is for recording non-streaming or streaming videos, such as YouTube videos and movies. When recording videos, it is recommended to use "RSUPPORT MJPEG Codec".



5. Record

a. Video Recording

With Video Recording, you can record non-streaming and streaming videos from websites (YouTube, Vimeo, etc) that cannot be downloaded as video files. In addition, you can record movies, Skype video chats and calls, online web conferences video with audio, etc.

- **Select recording area** - Move the recording area through the “arrow cross” in the middle of the liteCam Game window. - Drag and drop the window corners of the liteCam Game window to resize the recording area. - From the toolbar, select the video format you wish to use.
- **Select Frame per Second (FPS)** - 20 FPS is a default FPS in Game Recording mode. - To change FPS, select “FPS” button in the toolbar and choose the FPS you wish to use.
- **Select Audio Device** – Select an audio device to record audio/sound from, either you’re your computer or microphone. In Windows Vista, 7, 8, and 10, computer sound is the default option.
- **Audio Format** - Select the quality you wish to use for your audio recording. - In toolbar, select “Audio Format” button and chose the audio file format you want to use when recording. - Basically Mono, 16 bit, 22 KHz is fine. To record with high quality, use stereo, 16 bit, 44 KHz.
- **Click Record Button** - Recording will be started in 3..2..1!.
- **Finish recording** – When you have finished recording, click the stop button, which is located in the bottom right corner of the liteCam window.

b. Game Recording

With liteCam Game, you can record DirectX 7, 8, 9, 10, 11, and OpenGL games on your computer. The Game Recording Mode is 3 times faster than General Recording Mode or Video Recording Mode. Record your game play at maximum of 120 FPS in 1080p without any lag.

- **Select Frame per Second** - 20 FPS is defaults FPS in game recording mode, but you can choose above 30 FPS if you have higher performing system. - To change FPS, select “FPS” button in the toolbar and choose FPS you want.
- **Select Audio Device** — Select an audio device to record sound/audio from, either from your computer or microphone. - In Windows Vista, 7, 8, and 10, computer sound is the default option.
- **Audio Format** - Select the quality you wish to use for your audio recording. - In toolbar, select “Audio Format” button and chose the audio file format you want to use when recording. - Basically Mono, 16 bit, 22 KHz is fine. To record with high quality, use stereo, 16 bit, 44 KHz.
- **Start game you want to record** - “Standby Press *** key to record.” is displayed in green when liteCam Game is ready to record.
- **Click Keyboard shortcut to record** - “Standby Press *** key to stop recording.” is

displayed in red while recording.

- **Press keyboard shortcut to finish recording.** - "Recording Complete Press *** key to stop." is displayed when the recording has finished. Once the recording is complete, close the game and choose "Preview mode" in the toolbar to preview your recording.

c. Timer Recording (For Video Recording mode)

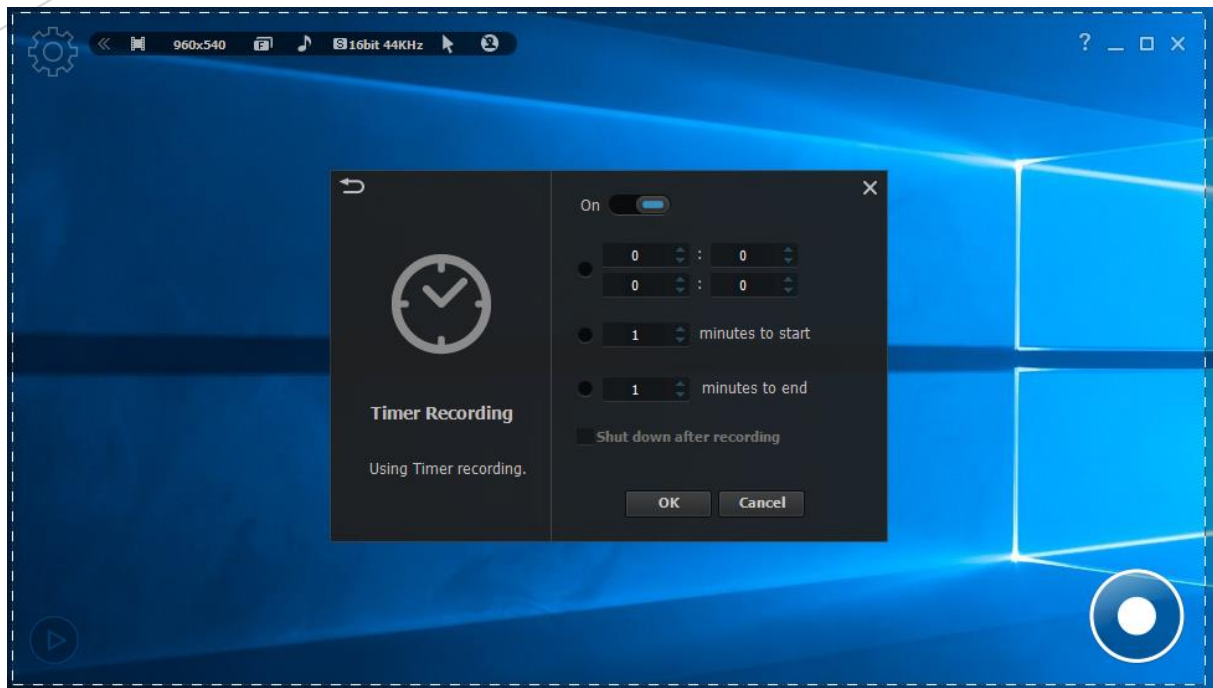
In Video Recording mode, you can schedule a time to record a favorite program, or online lecture with Timer Recording. You can also record activities at a particular time, and start or end after a certain length of time. When you have finished recording, you can schedule your computer to shutdown automatically.

Start liteCam Game> Options> Timer Recording.



Finally, choose the options available.

- Choice A. Set start time and end time
- Choice B. Set start time only 3.
- Choice C. Set end time only.



d. Stop/Pause Recording (Video Recording Mode)

While recording with liteCam Game using Video Recording mode, you will have the option to **pause** any recording, take screenshots, or draw on the recording screen.

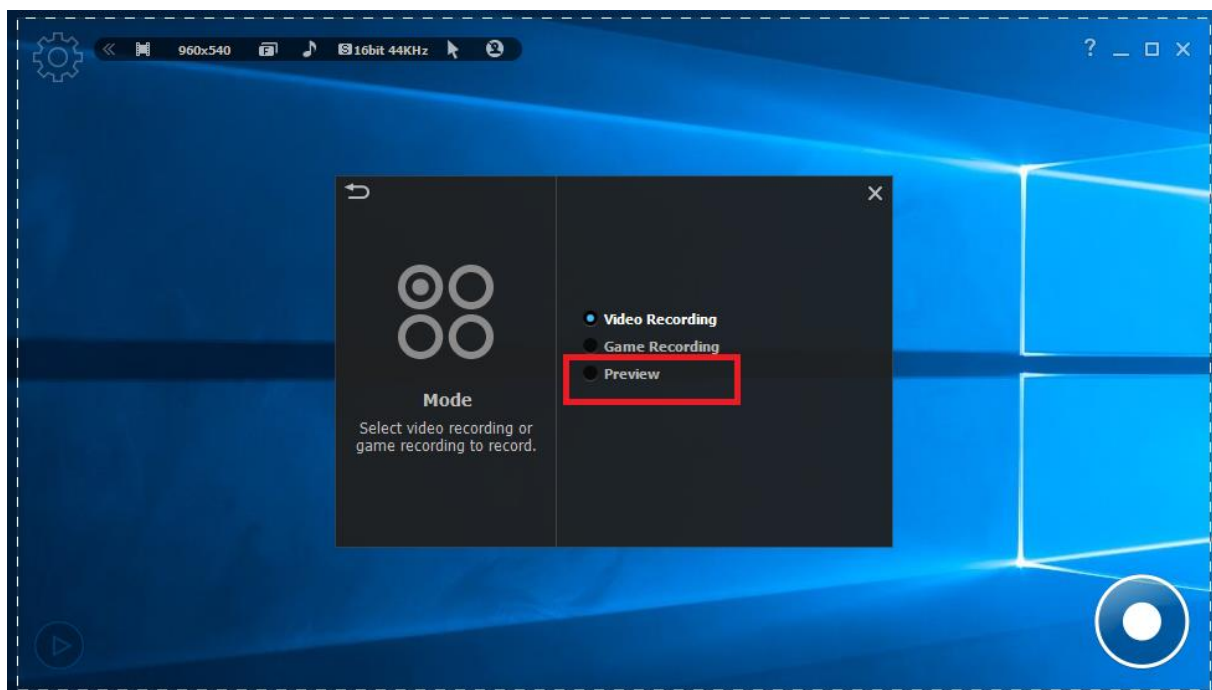


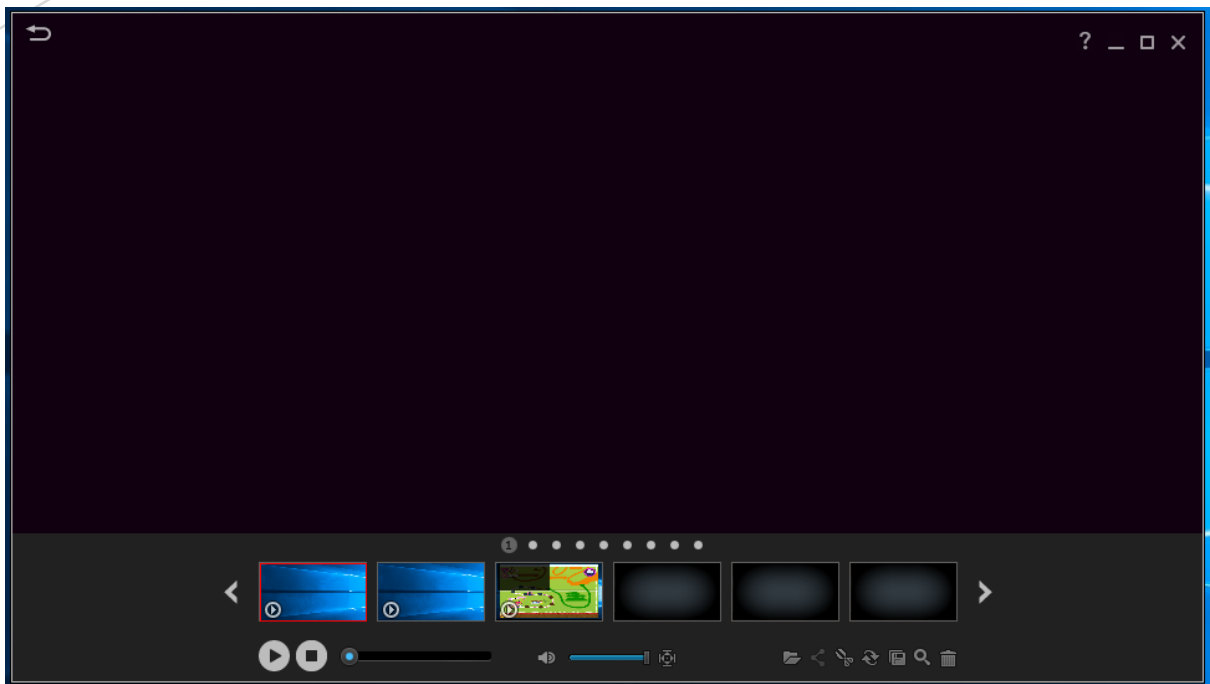
6. Preview

Your recordings can be viewed in Preview window. Within the Preview Window, you can Trim, Convert, Save As or Delete the recording. In addition, you can hide/unhide the recorded video list, and import other files or open the Work Folder. The Work Folder is the folder where all recorded files are saved.

a. Select "Preview."

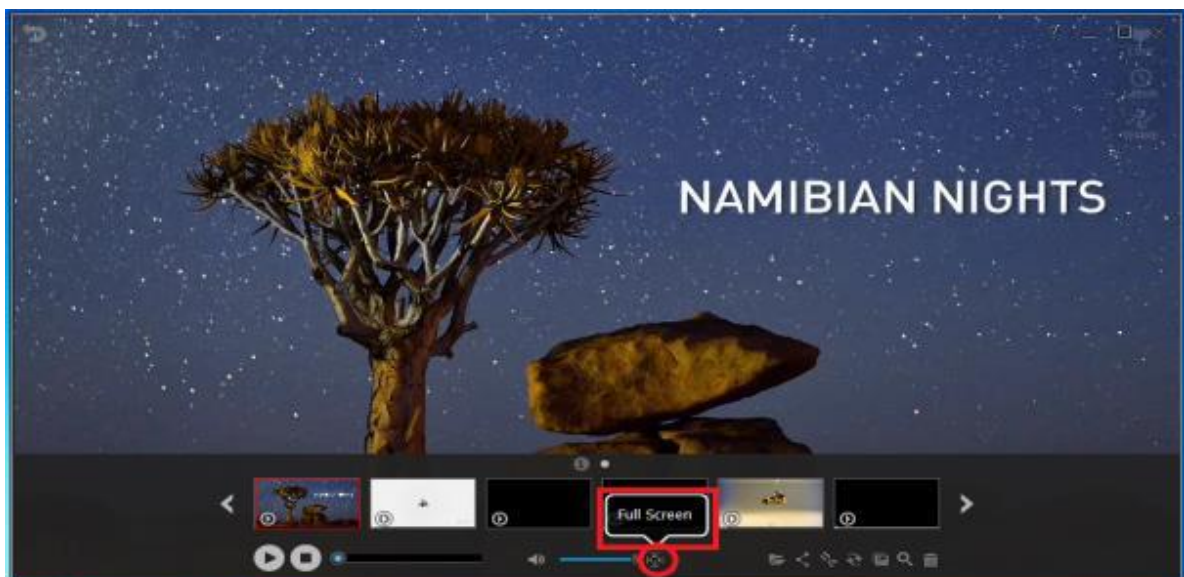
Click the Play icon on the liteCam Game main window.



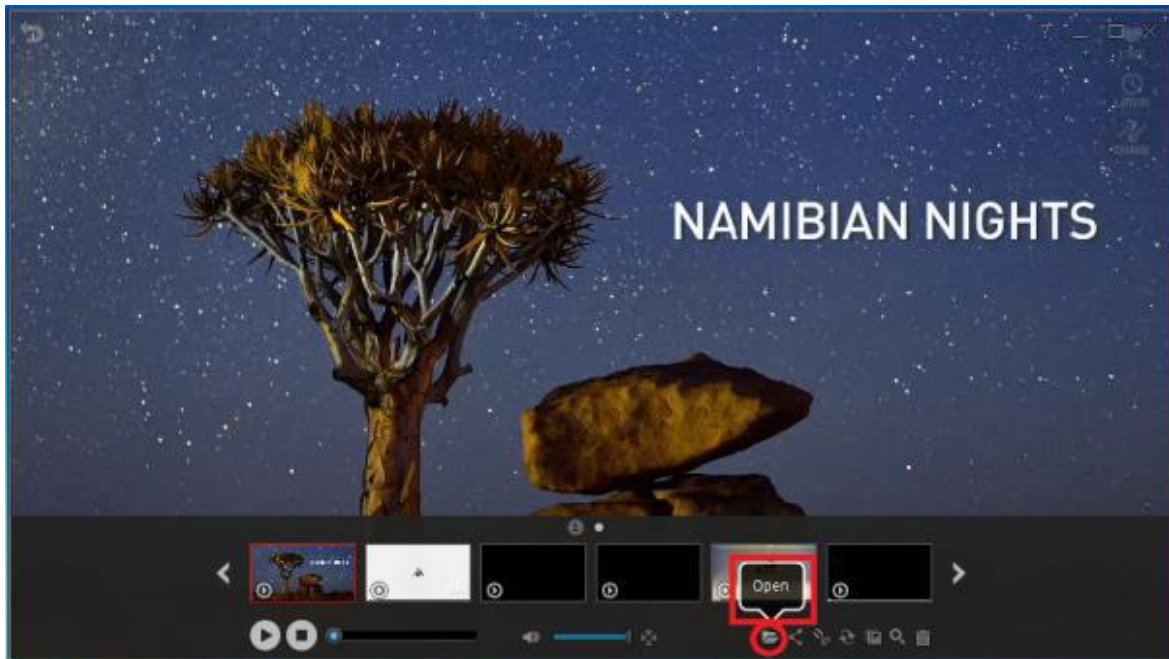


b. Full Screen

Click "Full Screen" to watch your recorded videos in full screen mode.



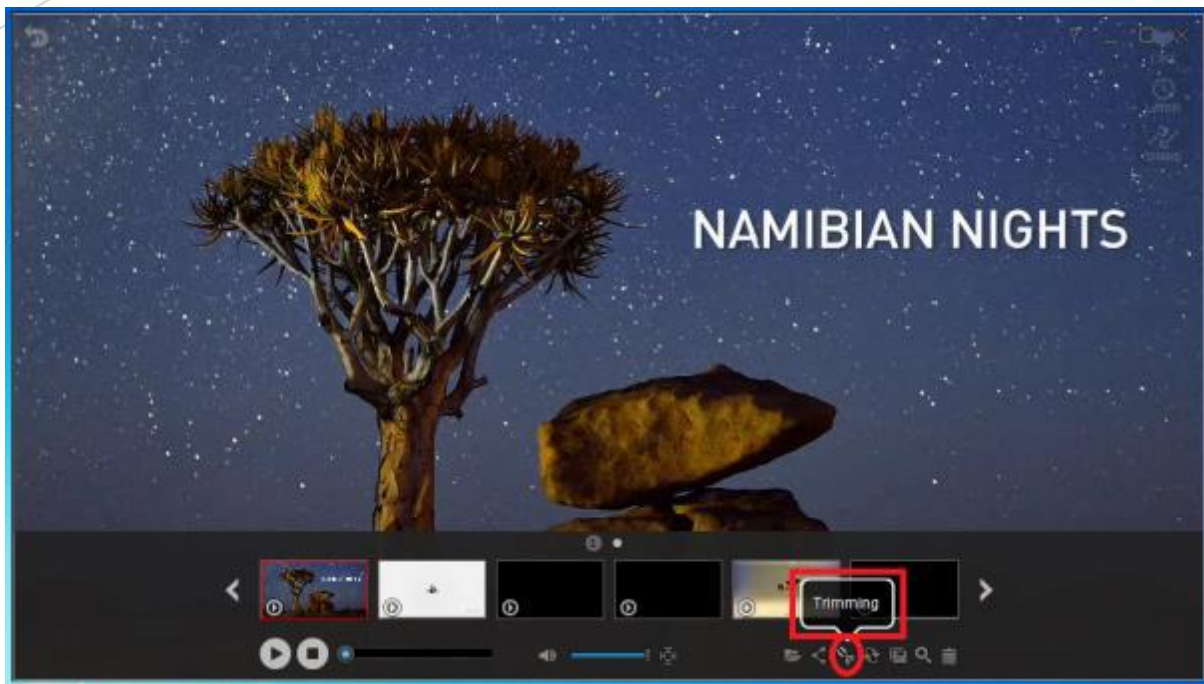
Can't seem to find your recorded videos? Recover them by clicking "Open" as shown below.



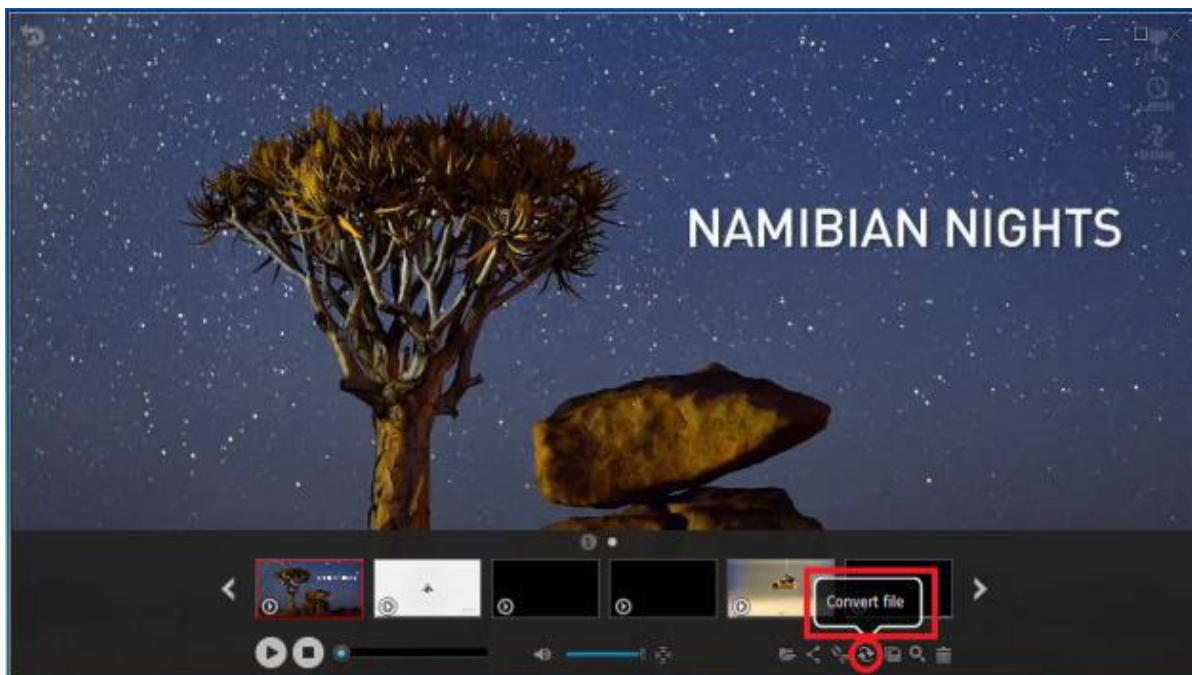
The Work folder is where your recorded files are saved. Click "Open Folder" as shown below.



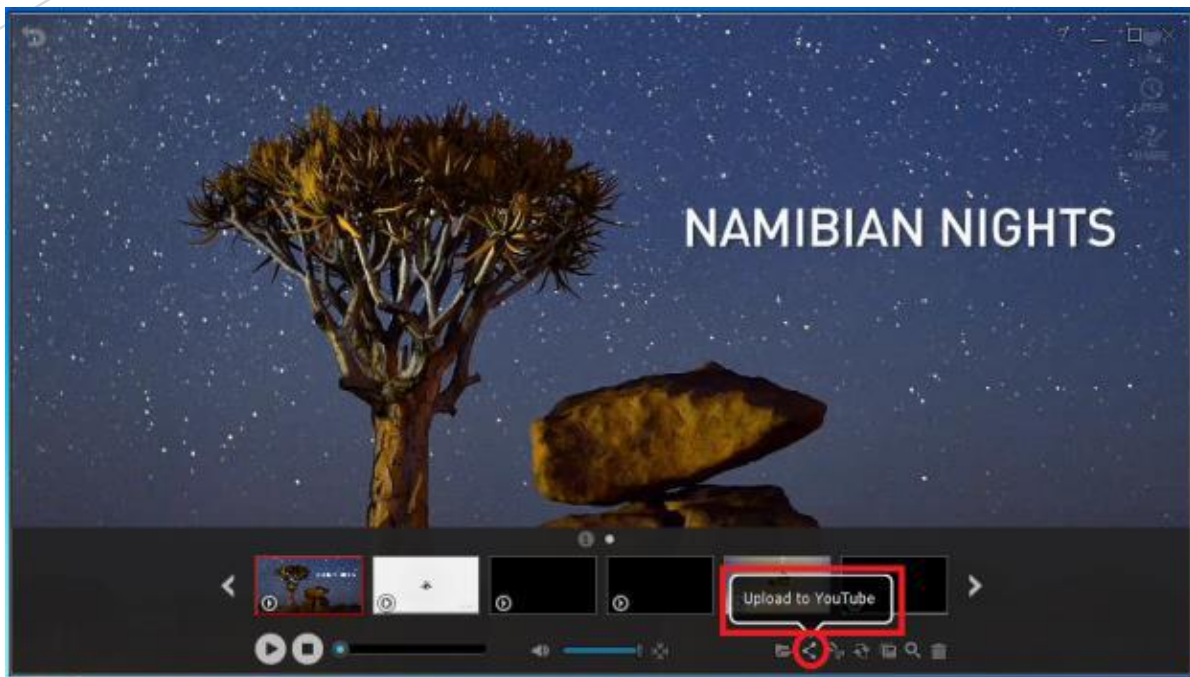
To trim your recordings, click the scissor icon.



To convert your recorded video or audio files, click the convert icon.



To upload your recordings to YouTube, click the "Upload to YouTube" button.

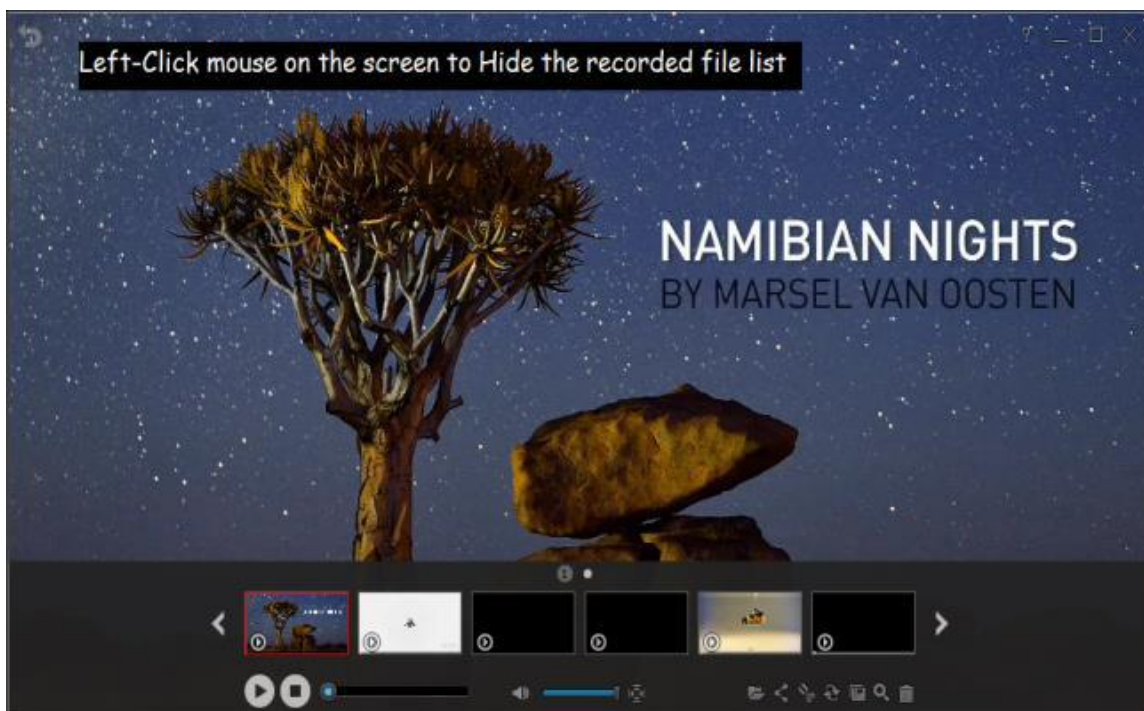


Before uploading your recordings to YouTube, make sure the following apply:

1. You have an active YouTube account.
2. Your video was recorded using Video Recording Mode or Game Recording Mode
3. You have uploaded a video to your active YouTube account before.

For recordings longer than 15 minutes, change your YouTube account setting options to "Increase your limit": <https://support.google.com/youtube/answer/71673?hl=en>

To hide or unhide your recorded file list, left-click on the Preview screen.





7. General Options

a. Frame per Second

FPS measures how much information is used to store and display motion video. The maximum FPS available to record video in Game Recording is 120FPS, and for Video Recording is 30FPS.



For Video Recording mode



For Game Recording Mode



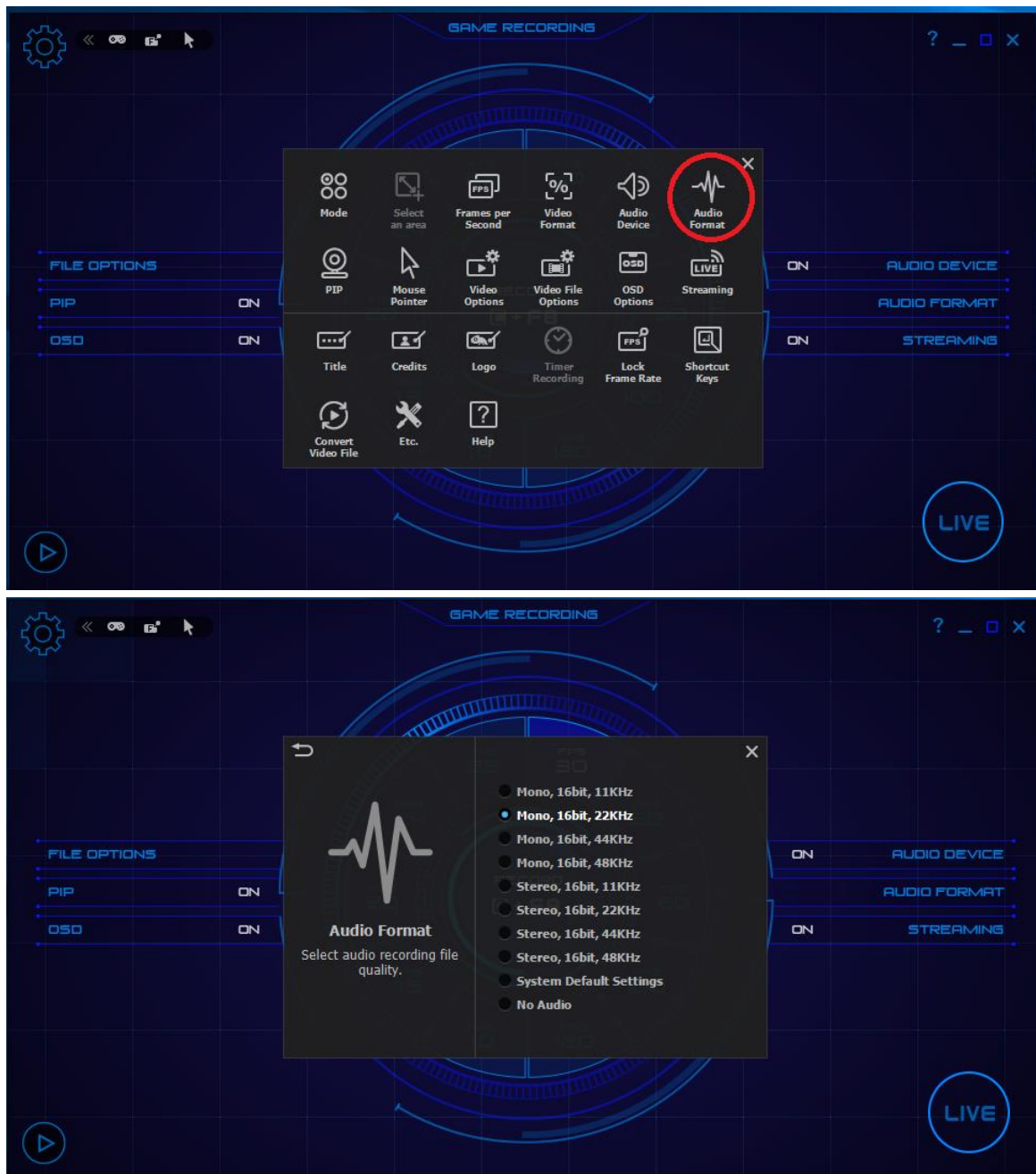
b. Audio Format

Different audio formats have different quality. You can choose the quality you wish to use, we recommend "Mono, 16bit, 22KHz".

To choose the audio quality you wish to use when recording.

- Mono, 16bit, 11 KHz
- Stereo, 16bit, 48 KHz: Record channels, bit, and sampling rate.
- System Default Settings: Record system sounds in Windows Vista, 7, 8, and 10.
- No Audio: Exclude sounds from recording.

Start liteCam Game> Options> Audio Format



c. Video Format

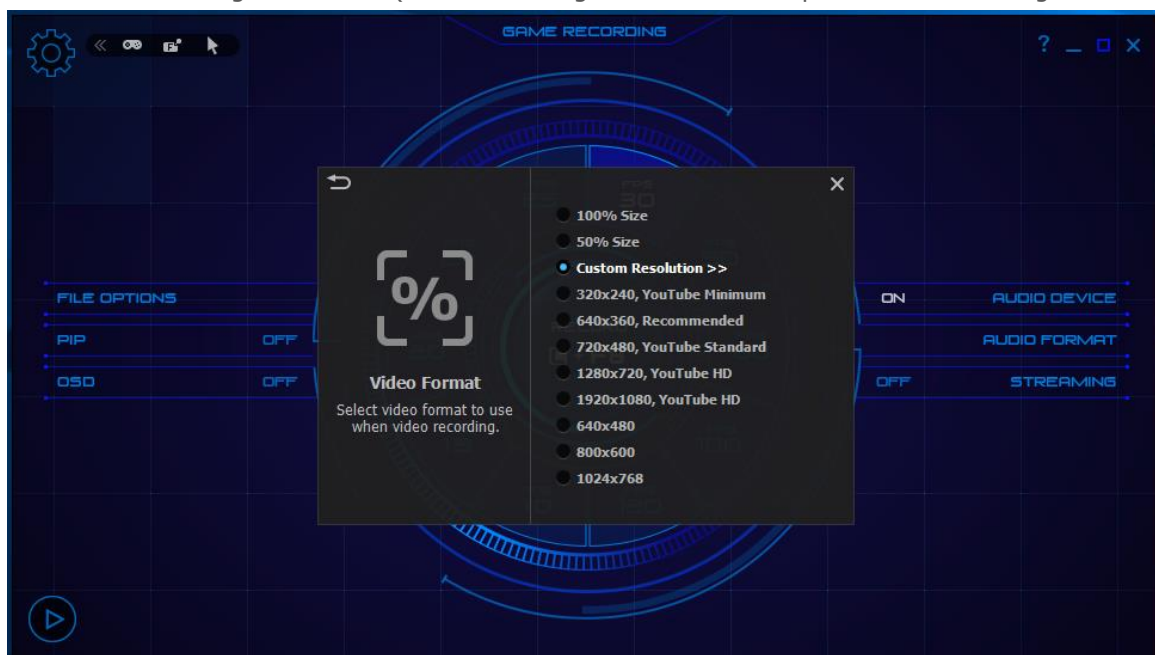
Before game recording, you need to select the screen size you wish to use; there are many options to choose from.

Start liteCam Game> Option> Video Format



Select an area to record

- Pre-defined resolution ranging from 1920x1080 to 320x240.
- Custom Resolution: define a custom area by adjusting width and height.
- 100% or 50% of the screen 100% recording size is the same aspect ratio of the original screen. (50% Recording size is 50% of aspect ratio of the original screen)



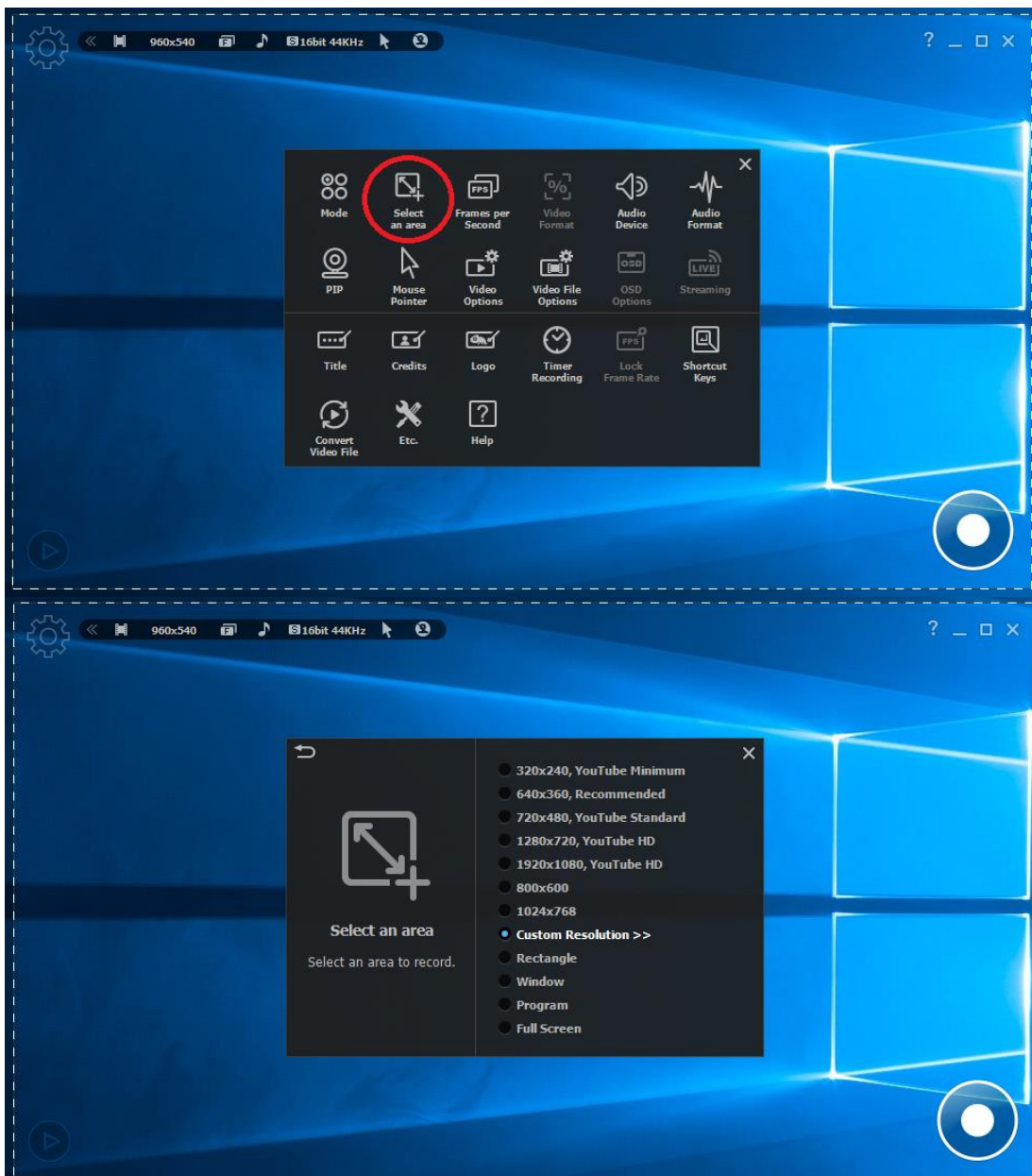
d. Select an Area

Before recording a video or screen, you have to select the screen size you wish to record; there are many options to choose from.

To select an area to record

- Pre-defined
- 1024 x 768: select the screen resolution on recording area.
- Custom Resolution: define a custom area with adjusting the width and height.
- Rectangle: select a rectangular area to Record.
- Window: select a specific window to record.
- Program: select a program to record.
- Full Screen: select the full screen to record.

Start liteCam Game> Option> Select an Area



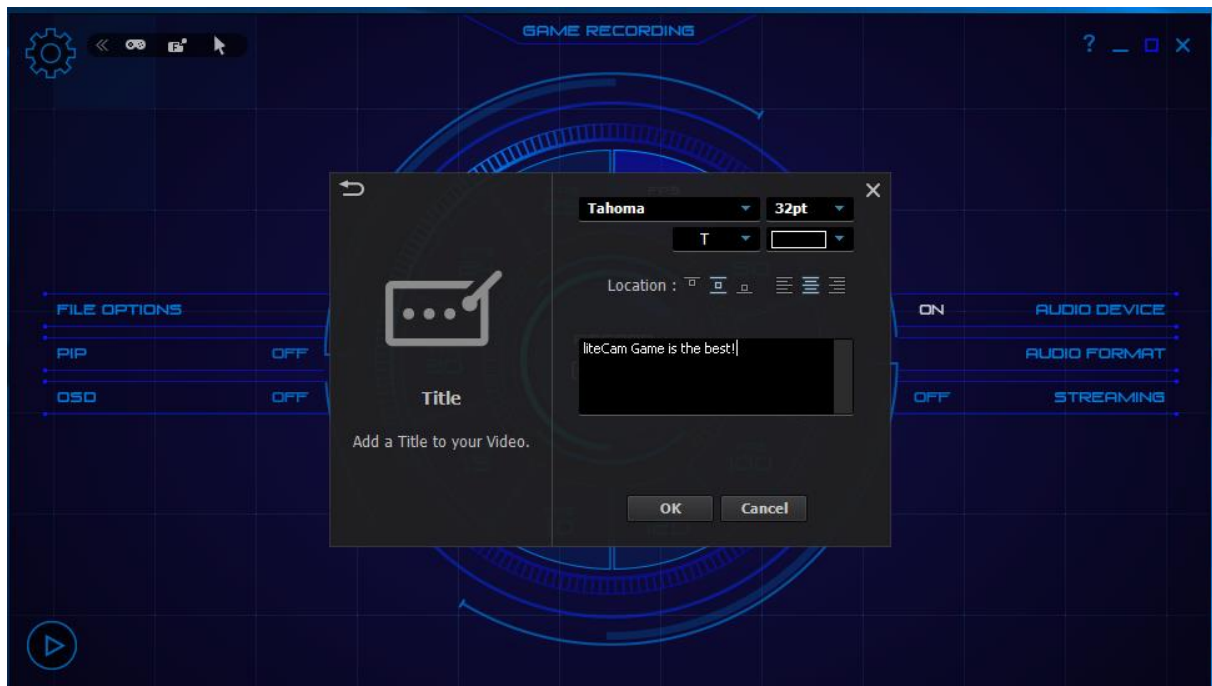
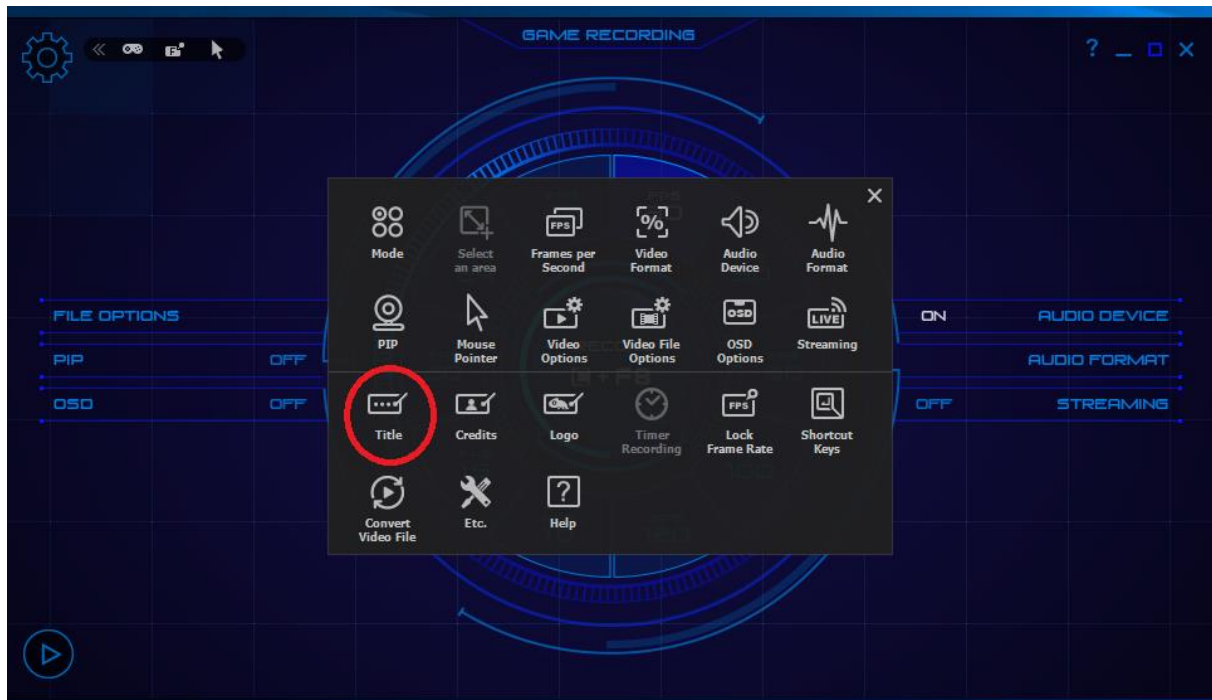
8. Advance Recording Option

a. Title

When adding a title to your recording, select "Title" in the options window.

Next, select your favorite "Font", "Font size", "Text Color", "Title location", and "Alignment".

Start liteCam Game> Options> Title



b. Credits

To add credits to the end of your recording, select "Credit" in the options window.
Next, select your favorite "Font", "Font size", "Text color", "Credits location", and "Alignment".

Start liteCam Game> Options> Credits



c. Logo

Add a logo to your recording! The logo will be seen in your recorded video.

To add a logo to your video, select "Logo" in options window and import a logo file.

Next, select the transparency and location of the selected Logo.

- On/Off: toggle switch to insert logo or not.
- File: import logo file.
- Transparency: make the image transparent.
- Location: indicate where the image is displayed.

Start liteCam Game> Options> Logo



d. Mouse effects

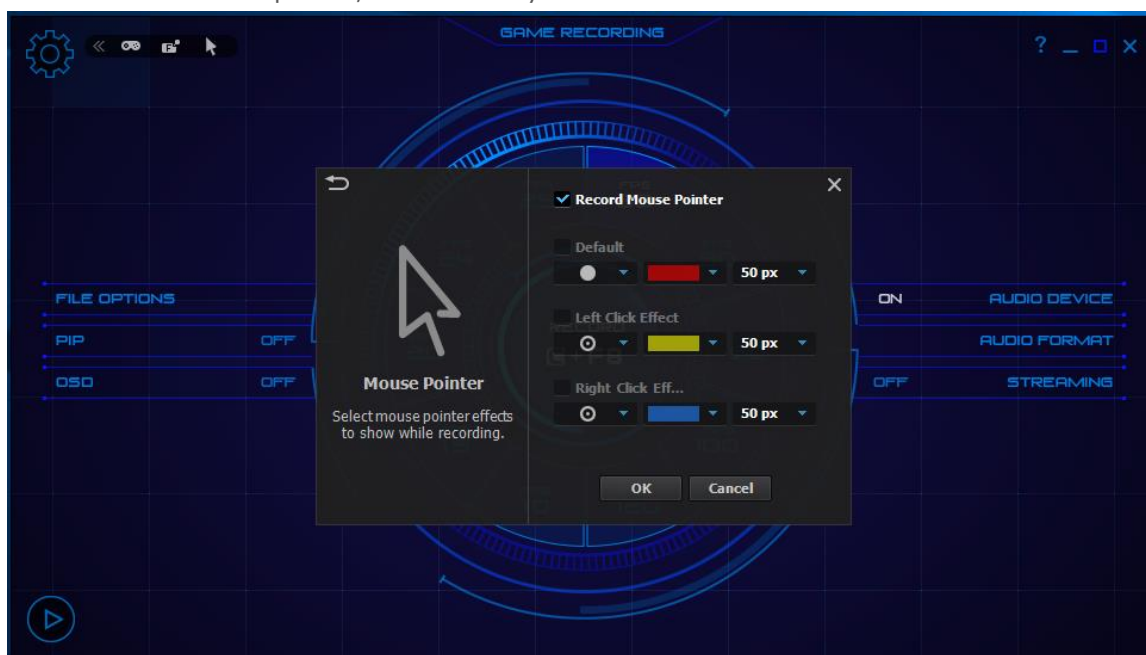
Make your mouse pointer more visible or invisible in your video or screenshots. You can change your mouse pointer in various ways (shape, color, and size), right-click or left-click for different mouse effects.

To show mouse pointer effects in your recording, select "Mouse Pointer" in the options window. - Record Mouse Pointer: Record the mouse pointer. - Default: add mouse pointer effects with shape, color, and size. - Left-Click Effect: Add effects to the left click. - Right-Click Effect: Add effects to the right click.

Start liteCam Game> Options> Mouse Pointer



Select "record mouse pointer," and choose your favorite mouse effects.



e. PIP

Show your active speech simultaneously in the corner of your screen with Picture-in-Picture (PIP) to include yourself in your video.

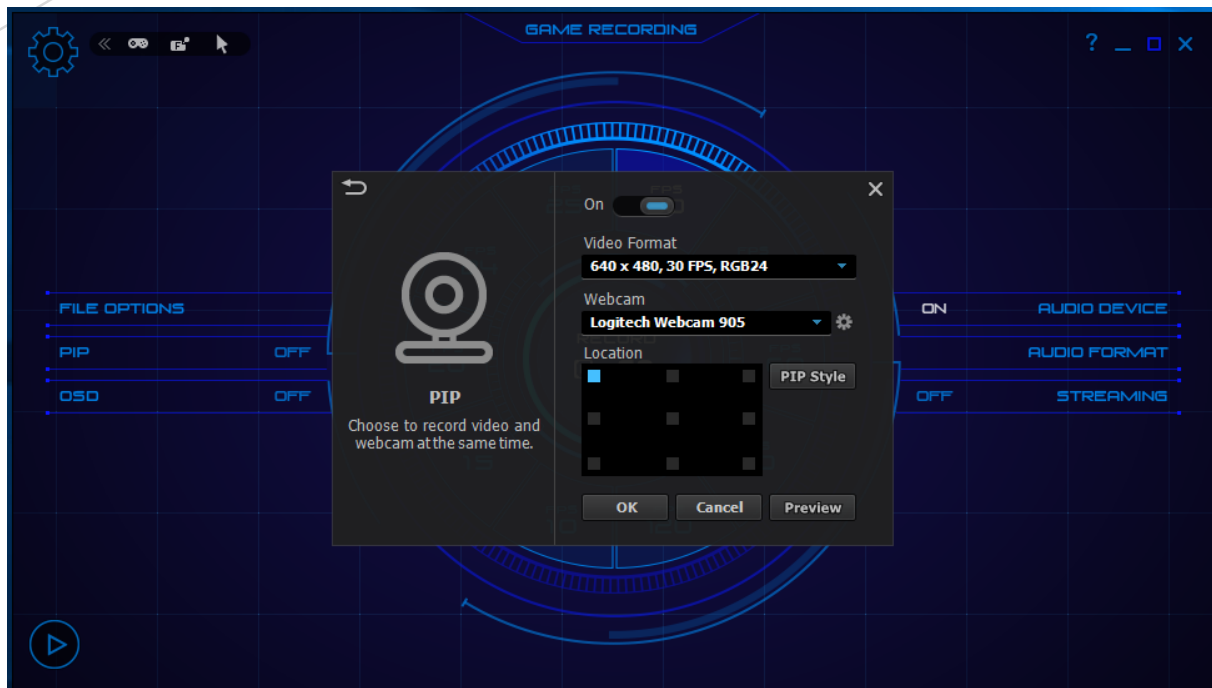
Start liteCam Game> Options> PIP



Settings for Webcam

- Video Format: select your webcam resolution.
- Webcam: check for available webcam devices.
- Option Button: check webcam property. - Location: PIP display area.
- PIP Style: design PIP window.

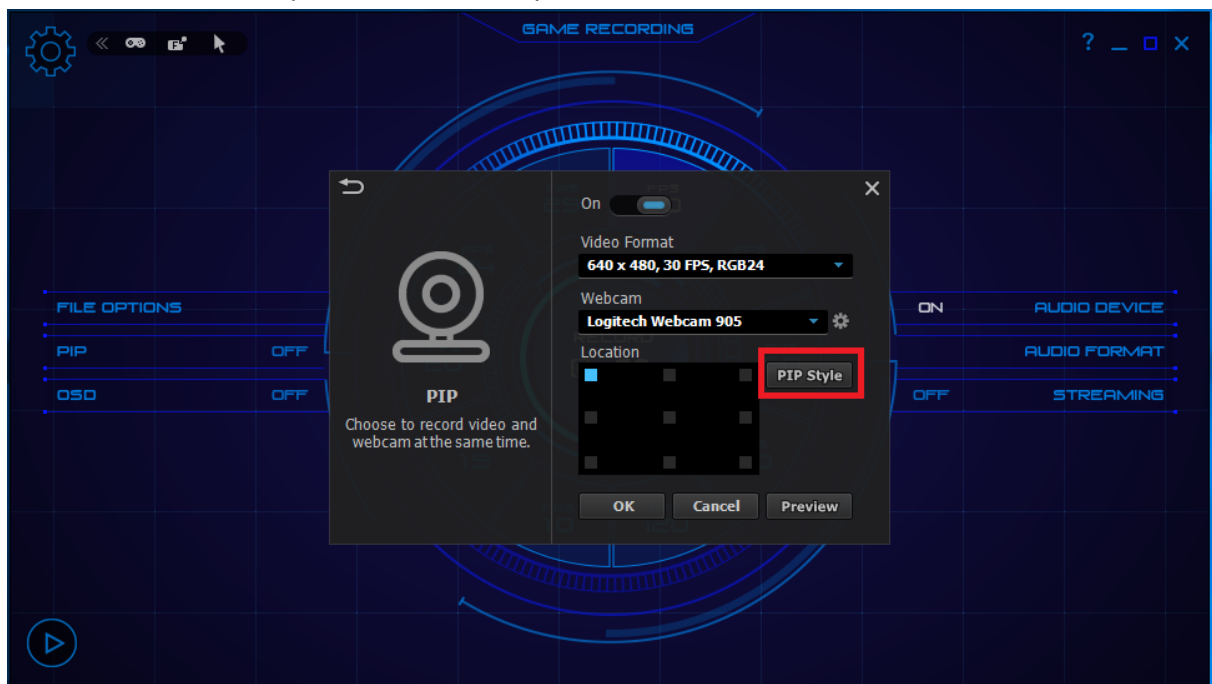
Preview: Test where PIP will appear.

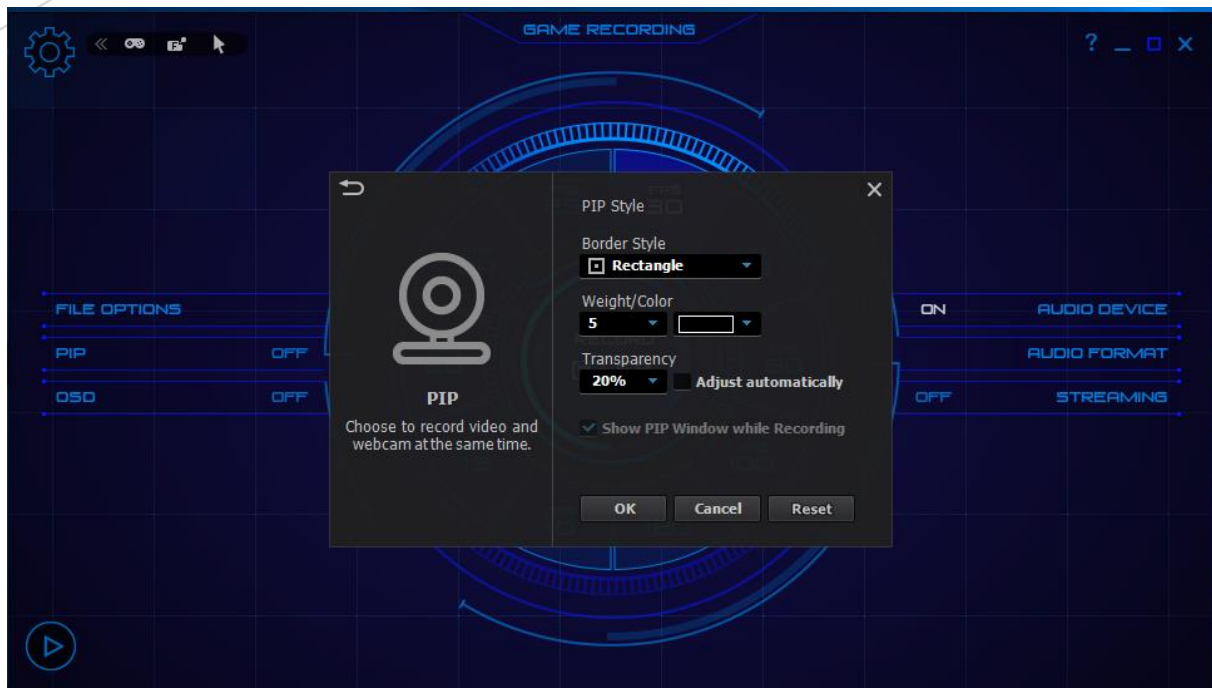


■ Show/Hide PIP while recording

While recording, PIP window can sometimes interfere with your recordings. With the show or hide PIP feature, you can show or hide PIP while recording. Follow the steps below

Start liteCam Game> Options> PIP> PIP Style

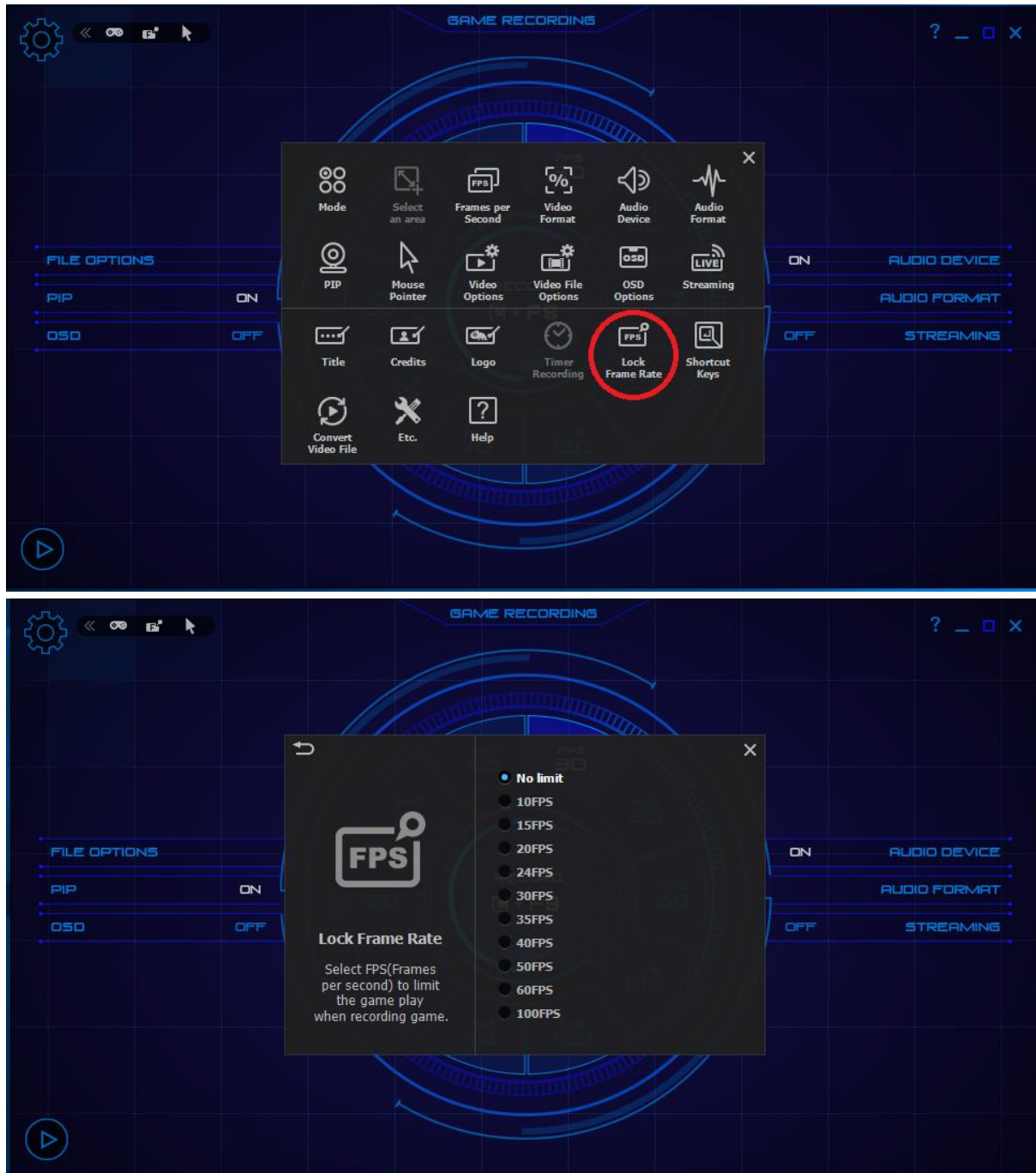




f. Lock Frame Rate

liteCam Game's Lock Frame Rate feature helps to lock your FPS while recording games so that the FPS can be maintained throughout your recording.

Start liteCam Game> Options> Lock Frame Rate



g. OSD

While recording game play, the 'Game Recording Information' also known as 'FPS Counter' might block some game information or screens. Also, at times, the game recording voice guide might become a nuisance. The two features 'Game Recording Information' and 'Voice guide' can be disabled or enabled anytime.

■ Show/Hide Game Recording Information.

To enable or disable the Game Recording Information: Start liteCam Game> Options> OSD

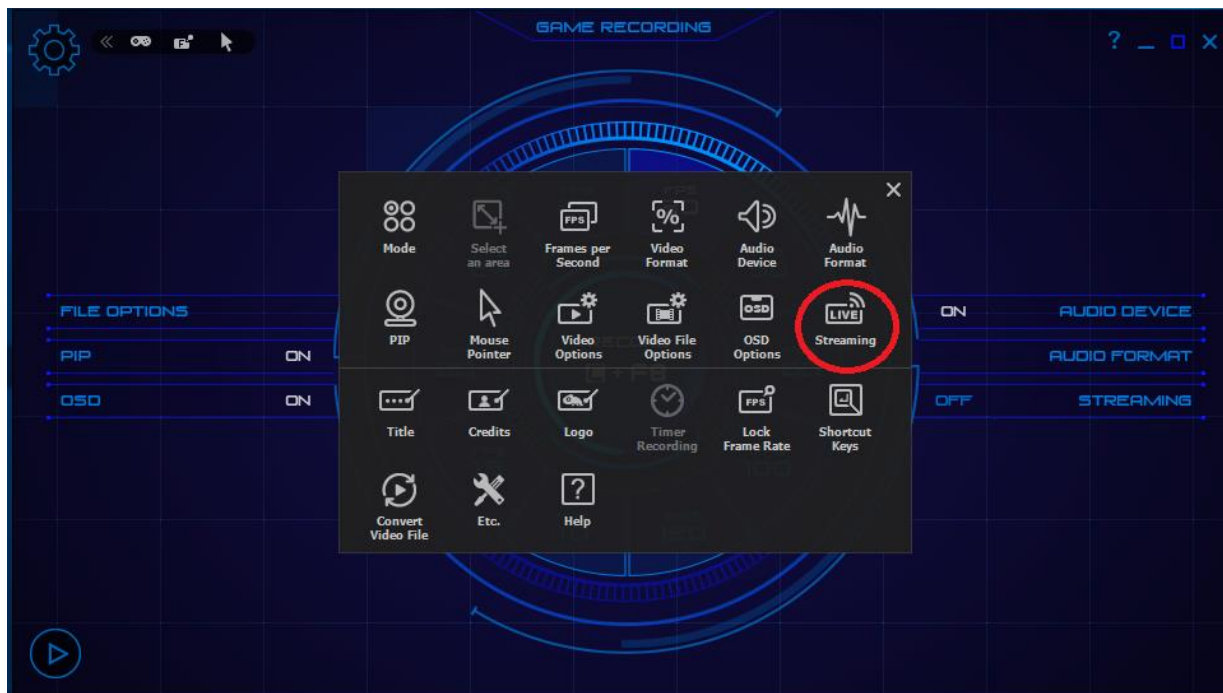


Check or uncheck "Show Game Recording Information" to show or hide the FPS Counter. Disable the voice "Recording Available" command by disabling "Enable Voice Guide."

9. Streaming

liteCam Game allows for live streaming while recording. You can stream to your favorite streaming site, such as Twitch, YouTube, Ustream, etc. that supports "RTMP" protocol.

Start liteCam Game> Options> Streaming



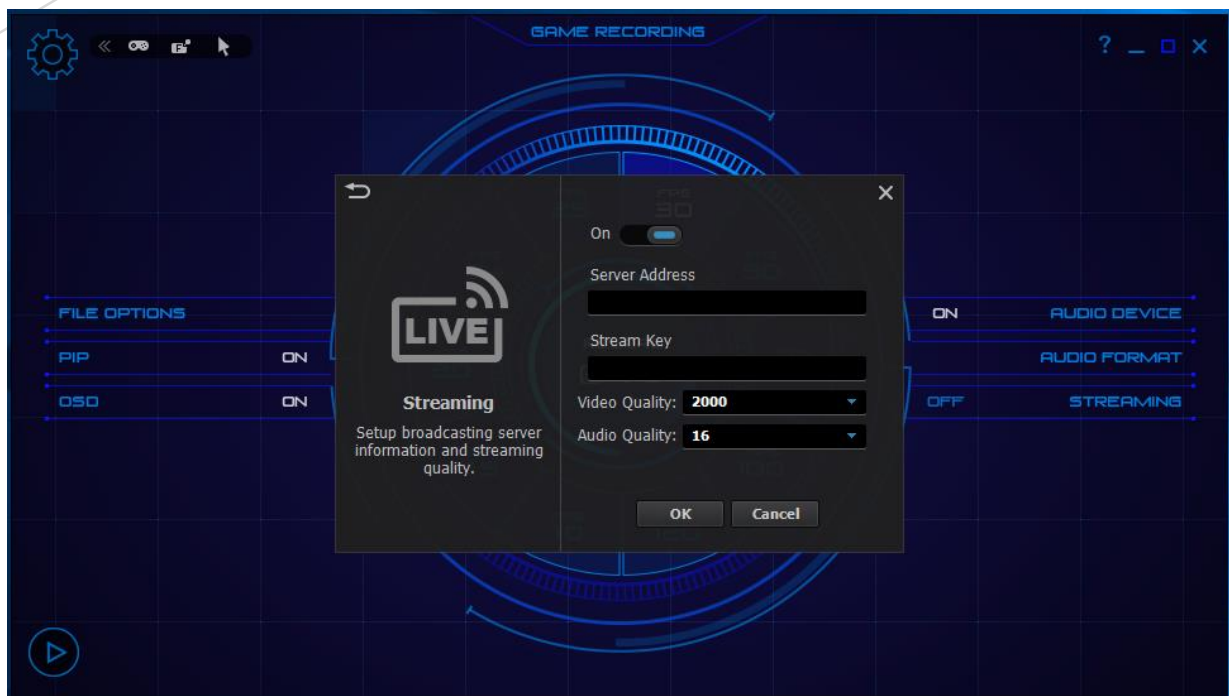
- On/Off: toggle switch to turn streaming on or off.
- Server Address: the server to send the streaming video to.
- Stream Key: authentication key provided by the streaming site.
- Video Quality: average bitrate sending video to the server.
- Audio Quality: bit depths for audio transmission.

Users should turn the streaming OFF if they are not streaming to a server in order to save bandwidth and processing power to obtain a smoother recording.

While in streaming, the captured screen is also stored in the local storage.

Server Address and Stream Key can be found through whichever streaming site you choose to stream to. Make sure to press "OK" when streaming settings have been set. Also, users must check with the streaming site to make necessary changes to the firewall.

Users should adjust the video and audio quality as the key to deliver the best streaming experience. This is directly related to the available network bandwidth from the user's PC and streaming server. Higher bitrate for video and audio means clearer and sharper image, but requires more bandwidth to deliver the larger amount of information.

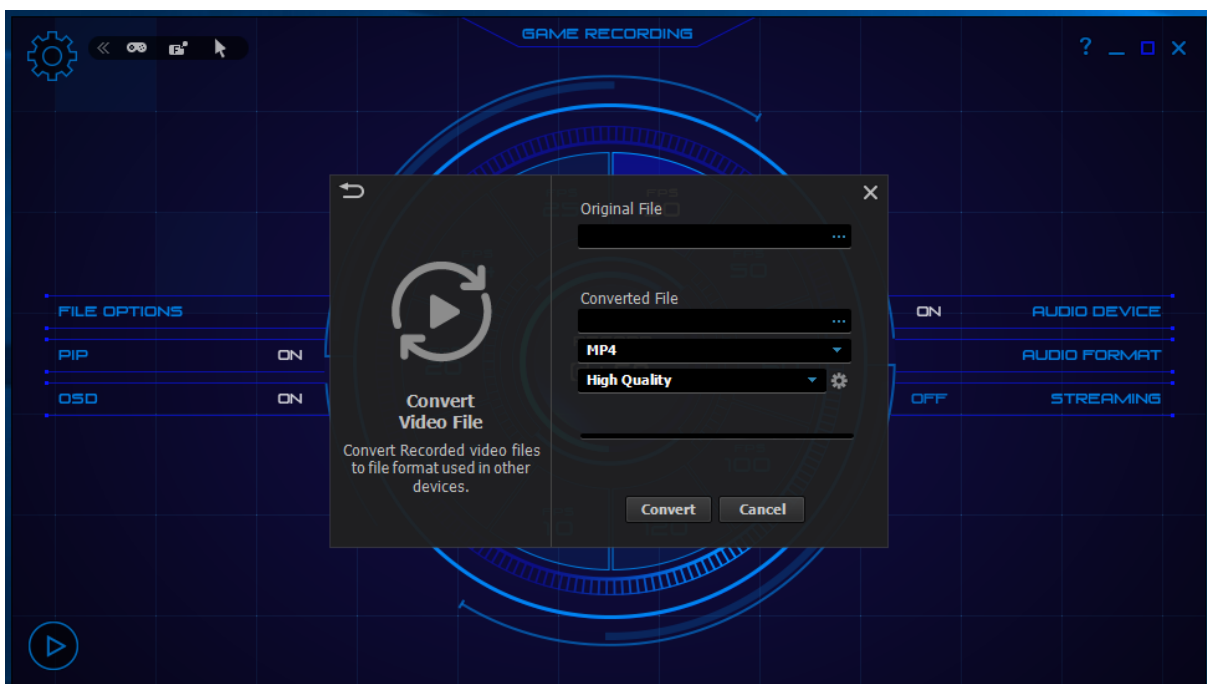
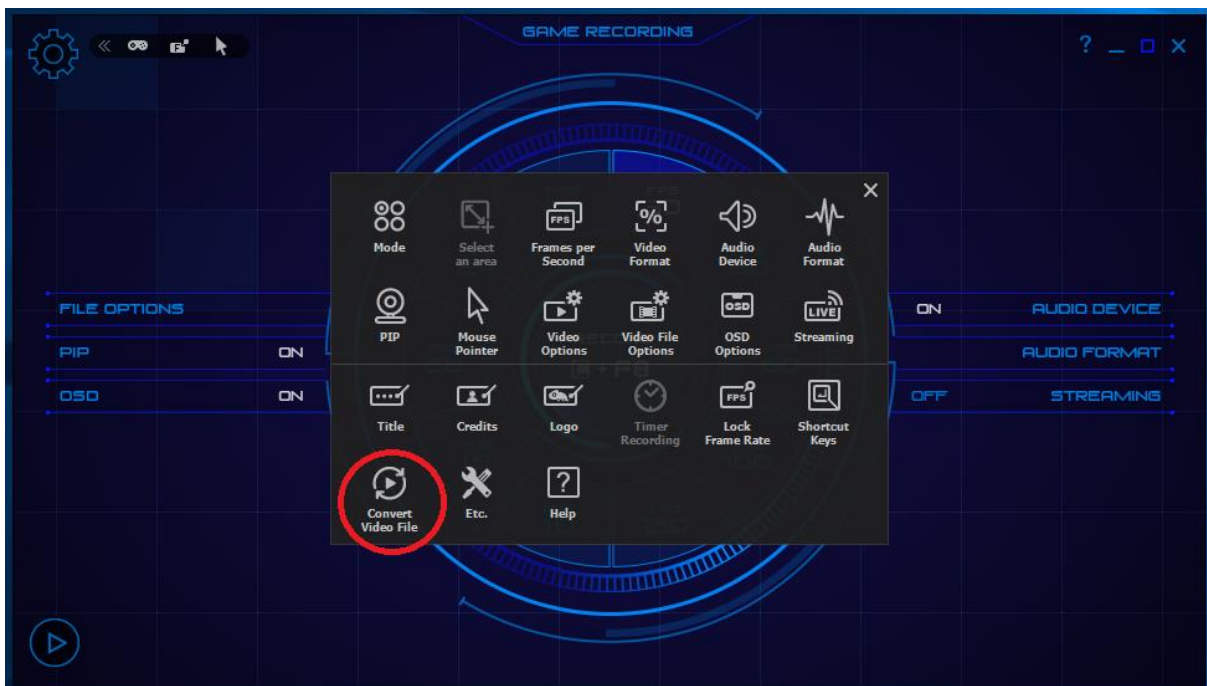


10. Converting and Extracting

All audio or video recorded using the liteCam Game can be converted to other file formats. For videos, you can convert them to MP4 or WMV file formats, while audio can be converted to MP3, WAV, and WMA file formats.

a. Convert Video Files

Convert video recordings by using liteCam Game. This option can be used in Game Recording and Video Recording modes.



11.Etc

a. Work and Log folder

The work folder is where all recordings are saved.

The Log folder is where all the logs created during the recording period are created and stored.

The default location of work folder is C:\Users\{UserName}\Documents\liteCam.

The default location of log folder is C:\Users\{UserName}\Documents\liteCam\Log.

Both of folders can be changed

b. Highlight Recording Area

When enabled, the recording area is highlighted in bold to clearly indicate the area that is captured.

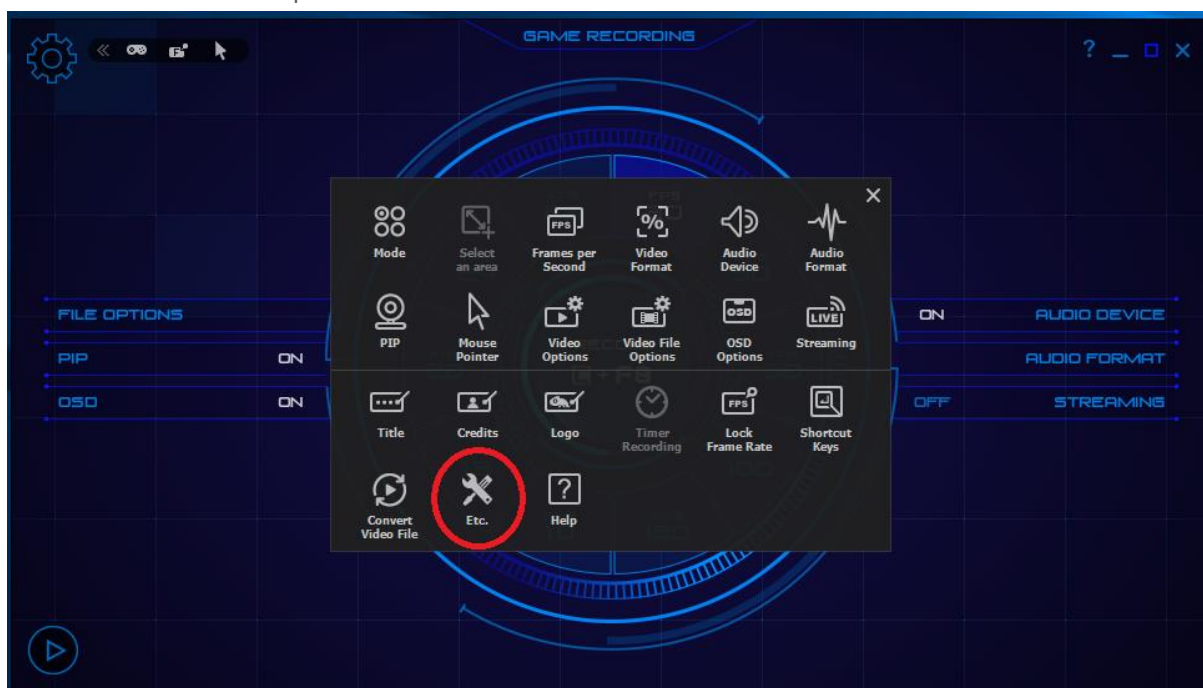
c. Blinking Recording Area

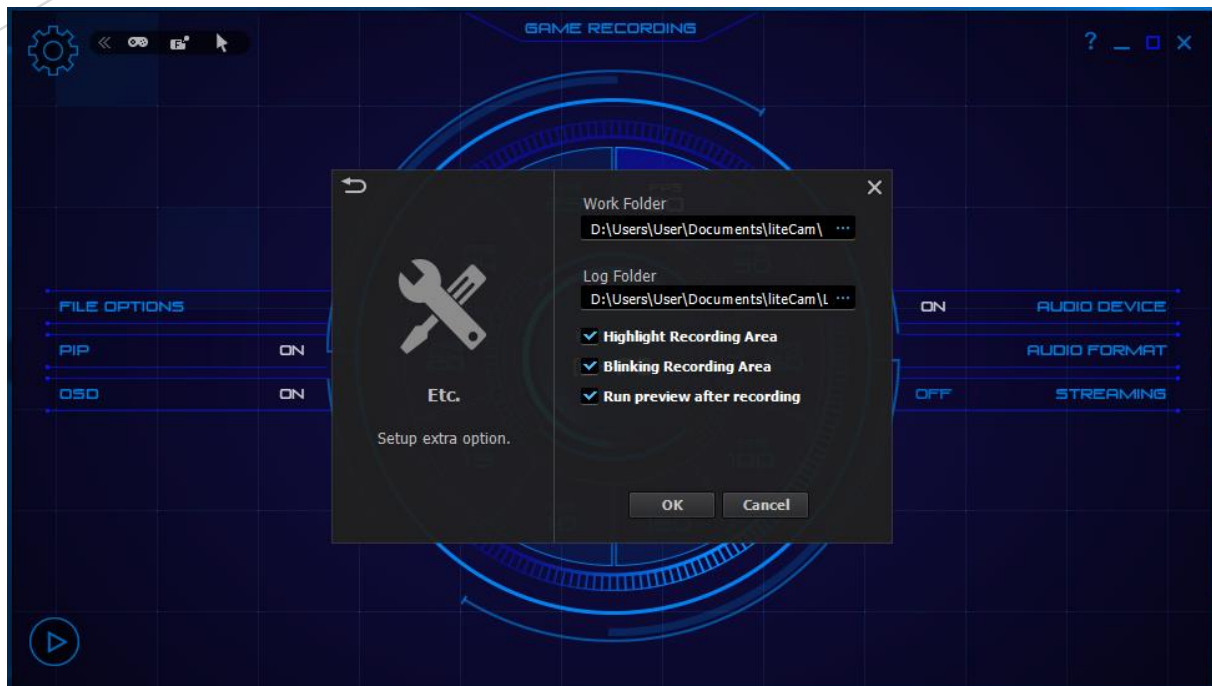
When enabled, the recording area blinks while recording is in progress. This indicate that the selected are is being recorded.

d. Run Preview After Recording

When enabled, the View Preview menu will automatically displayed with the recorded video list for viewing and editing.

Start liteCam Game> Option> Etc.



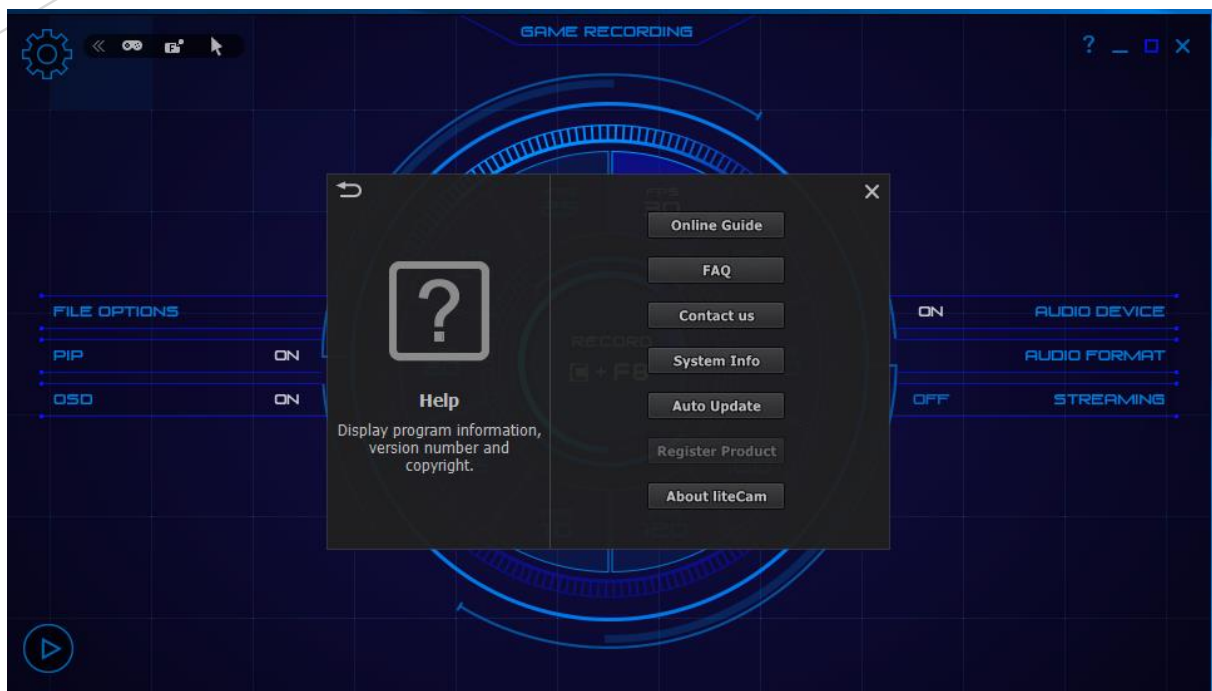


12.Help

This provides all the information about liteCam Game.

- Online guide: the liteCam Game User Manual is available online.
- FAQ: solutions to frequently asked questions.
- Contact us: email contacts for liteCam Game support and sales.
- System Info: capture the system information such as CPU and Graphic card.
- Auto Update: manually request auto update from the server.
- Register Product: option enabled if Demo/Free version is installed. License key can be entered here to fully unlock the product.
- About liteCam: all information about liteCam Game, such as license code, license type, liteCam Game version, Product name, etc.







For more information about RSUPPORT, please visit

<http://www.rsupport.com>

Korea :

(138-724) 서울시 송파구 방이동 45번지 한미타워
15층, 16층

전 화 : +82-70-7011-3900

팩 스 : +82-2-479-4429

기술문의 : support.kr@rsupport.com

구매문의 : sales.kr@rsupport.com

기타문의 : info.kr@rsupport.com

Japan :

〒105-0001 東京都港区虎ノ門1-2-20

第3虎の門電気ビル

TEL : +81-3-3539-5761

FAX : +81-3-3539-5762

お問い合わせ : support.jp@rsupport.com

Sales : sales.jp@rsupport.com

Info : info.jp@rsupport.com

USA :

333 Sylvan Avenue, Suite 110

Englewood Cliffs, NJ 07632

Phone : +1-888-348-6330

Fax : +1-888-348-6340

Tech : support.us@rsupport.com

Sales : sales.us@rsupport.com

Info : info.us@rsupport.com

China :

北京市朝阳区东三环北路丙2号

天元港中心B座1005室

联系电话 +86-10-8256-1810

传真号码 +86-10-8441-7505

技术咨询 support.cn@rsupport.com

销售咨询 sales.cn@rsupport.com

其他咨询 info.cn@rsupport.com