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# Super LoiLoScope | Dual-Stream decode Benchmark Brief

Updated: January 7<sup>th</sup> 2010

## Application Overview: Create video like never before

Super LoiLoScope is the world's first GPU accelerated video editing software where you can play, edit, and even output all with this GPU technology. Instant playback while overlapping your videos and adding effects allows you to work extremely fast creatively. It is as if you are displaying cards right on your table, very intuitive, and user friendly with fast video processing. Please take a look at our Full HD video editing speed benchmark with NVIDIA GeForce.

## Application Features: Click here for demonstration video→<http://loilo.tv/product/1>

### Core Competence : World's first Ultra fast full GPU accelerated video processing

- ✓ GPU accelerated H.264 dual decode (NEW!)
- ✓ GPU accelerated H.264 encode
- ✓ GPU accelerated video processing (effect, composite, transition)
- ✓ GPU accelerated user interface

### Basic features

- User friendly interface: Organizing videos, pictures, and music as if displaying cards on your table.
- Light, fast, and fun with world's first GPU acceleration available with graphic chip everybody owns. No more wait to import full HD videos and instantly ready to edit.
- Instant playback/preview during the edit.
- Supporting many formats including AVCHD, Mp4, QuickTime, HDV/DV, digital camera, mobile, FLY, etc.
- 10X faster output to popular devices with NVIDIA CUDA.
- Easy and flexible video editing.

### Hot and New features

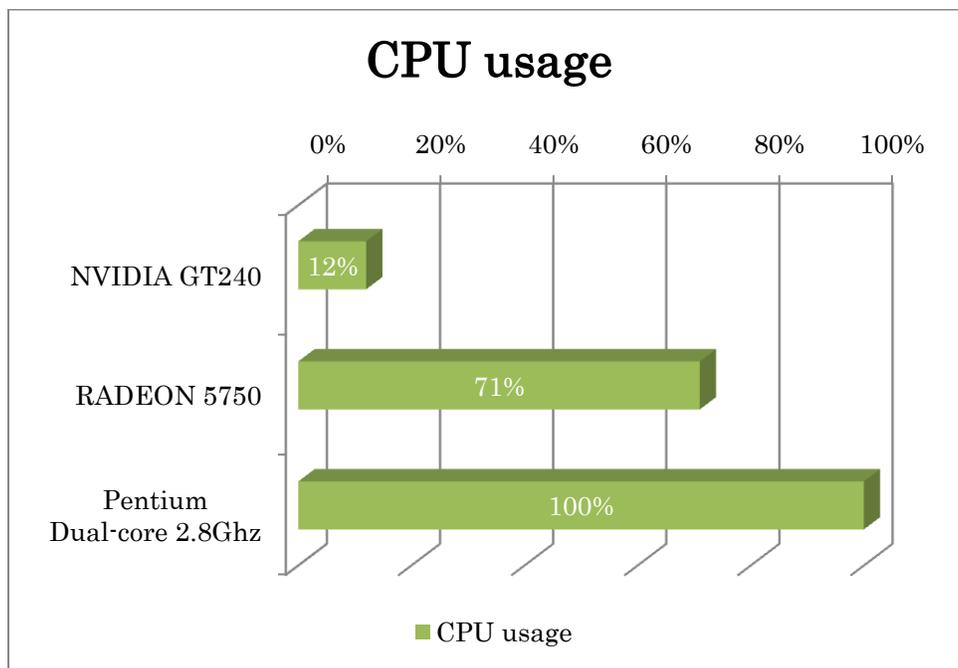
- 2 Full HD parallel playbacks possible with NVIDIA Dual-stream decode.
- Supporting Intel, NVIDIA, and AMD full HD playback.
- Scribble and stamp directly onto videos.
- Adding effects to specific areas of the video.
- Record movement to create original animation.

## Benchmark

### Dual-stream decode comparison

In order to confirm overlapping multiple video transactions, super impose, and multiple full HD overlapped preview in real time, it will be required to play at least 2 full HD videos in parallel. To work dual-stream decode with the GPU we are able to decrease CPU usage to minimum level and increase productivity.

BELOW: CPU usage with 2 parallel AVCHD playbacks.



### Setup & Installation:

Recommended Demo System Hardware Specifications:

Component	Model
GPU	GeForce GT240
CPU	Intel Core Duo E6300 @ 2.8GHz or Above
Memory	2GB DDR2 or Above
Operating System	Windows 7

## Files Required:

Name	Location
Super LoiLoScope	<a href="http://loilo.tv/product/1/desc/2">http://loilo.tv/product/1/desc/2</a>
Press Serial	1593-FC77-9FBC-1777-070B-2183-AF75-8630
Screenshots	<a href="http://loilo.tv/product/8/desc/85">http://loilo.tv/product/8/desc/85</a>
Sample Video, Photo, Music	<a href="http://dl.dropbox.com/u/365283/SampleMediaFile.zip">http://dl.dropbox.com/u/365283/SampleMediaFile.zip</a>

## Test #1: Dual-Stream decode benchmark regeneration method

### Install Super LoiLoScope

Download and install from this link → <http://loilo.tv/product/1/desc/2>

### License installation method

Launch LoiLoScope.exe on desktop and click “input serial number”.



Enter Serial key

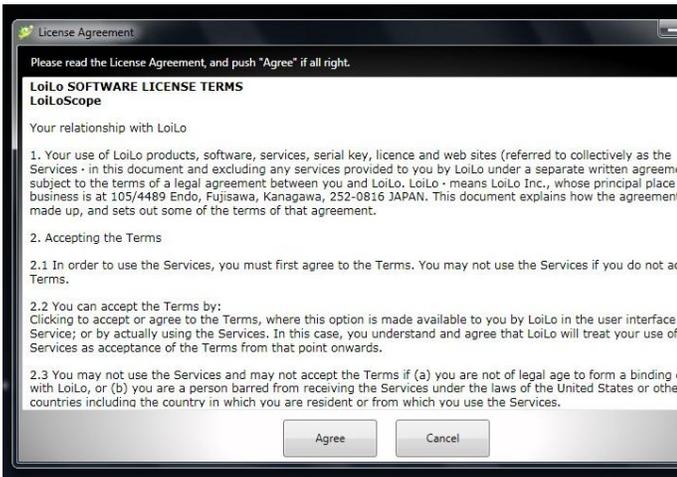
Serial Number: 1593-FC77-9FBC-1777-070B-2183-AF75-8630



Restart LoLoScope after installation.



Proceed to user registration after EULA.



Installation Complete

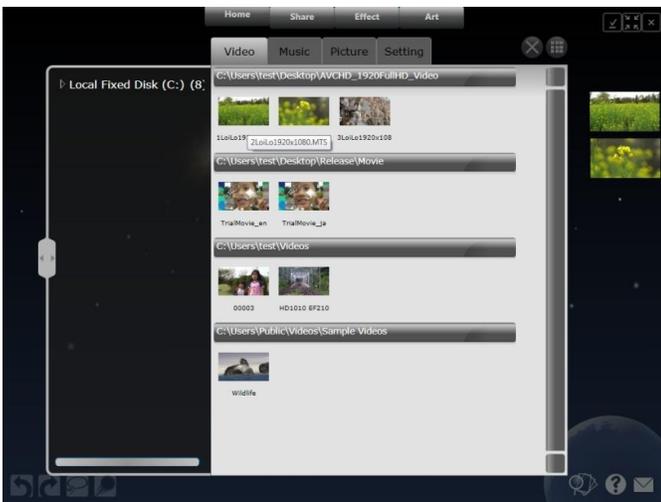
**Regenerate**

Click "New" after launch

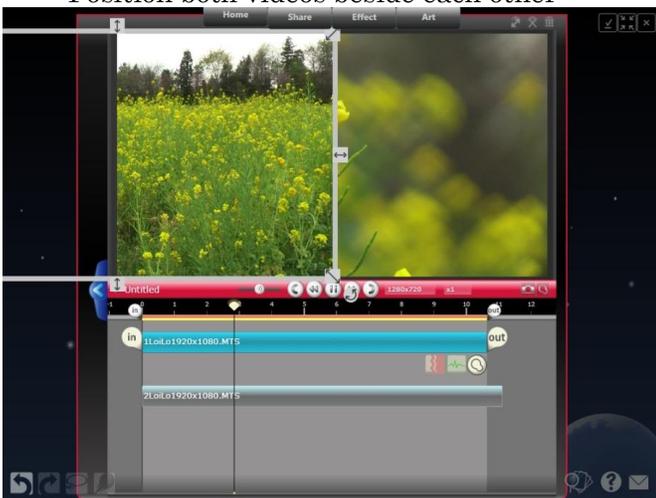


Click the media browser on the left side of the screen to proceed to the image below.

Drag and Drop or Click “1LoiLo1920x1080.MTS” & “2LoiLo1920x1080.MTS”



- Click desktop to zoom back out and drag drop the two thumbnails into the timeline like the image below.
  - Click video in the timeline window to outline and use the ⇔ mark to shift from left to right
- \* Position both videos beside each other



## GPU Playback setting

Enable GPU Playback. Select number of videos to be enabled by GPU.

Go to Home → Options

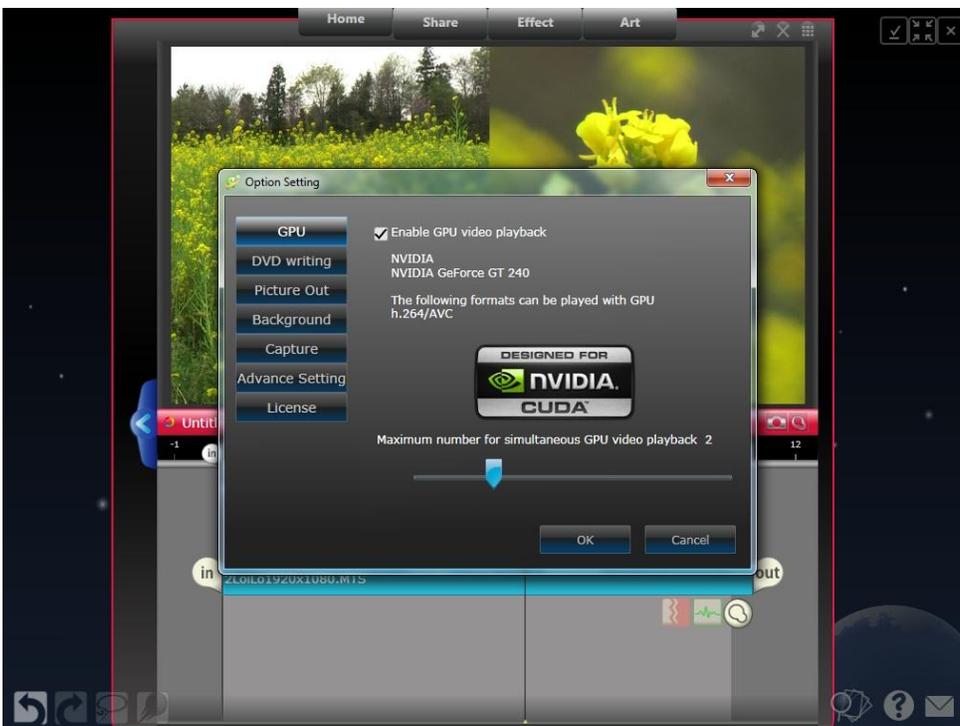


Select “Enable GPU Video playback” under GPU tab and check activate for GPU playback. You may set it like below as well

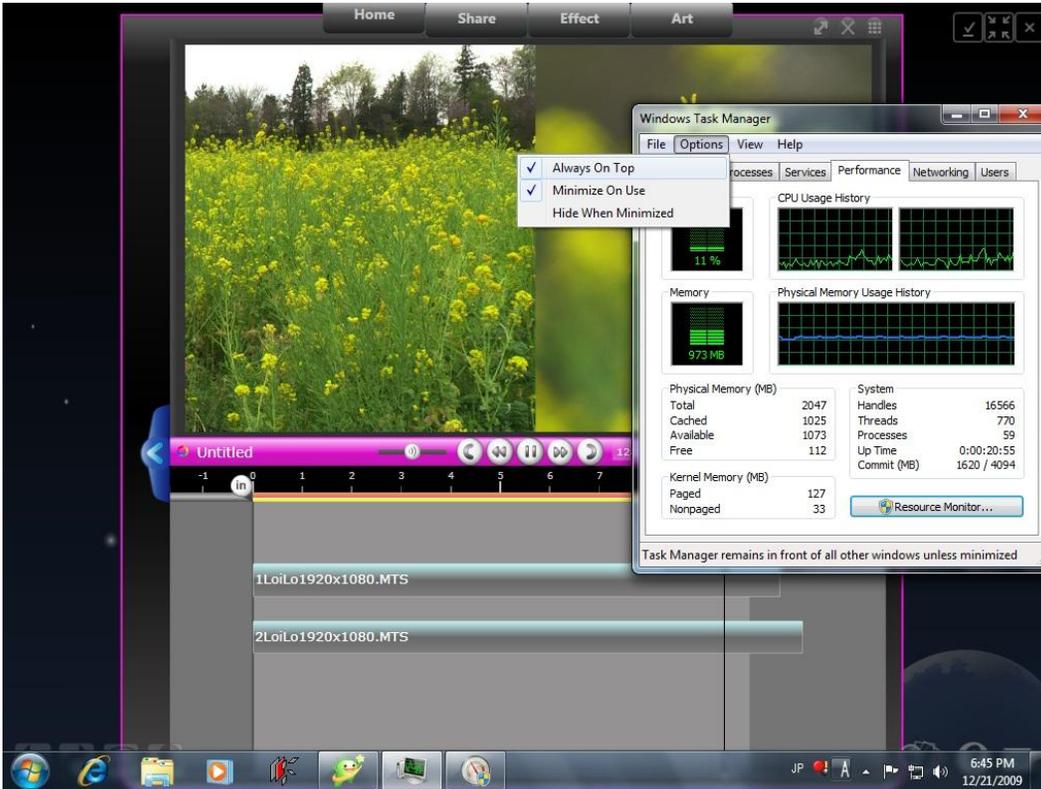
NVIDIA GT240 AVCHD            qty:2

RADEON 5750 AVCHD            qty:1

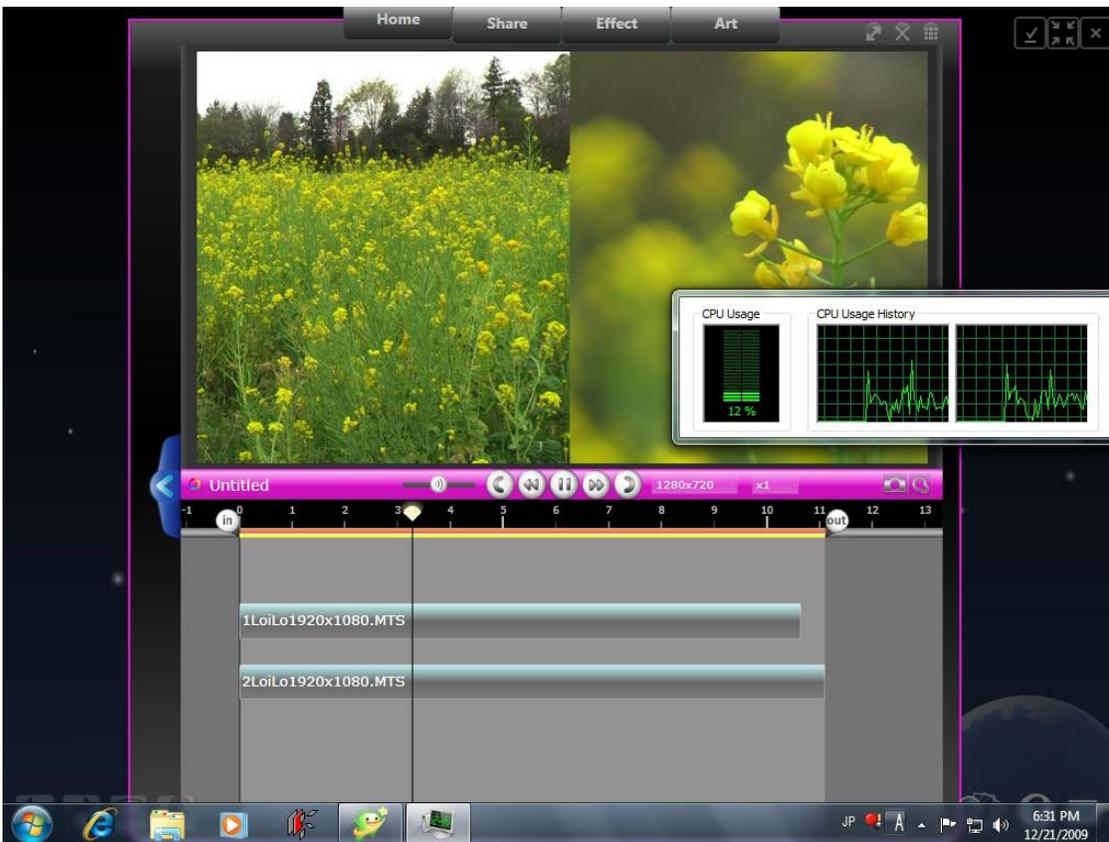
Pentium Dual-core 2.8Ghz      qty:1



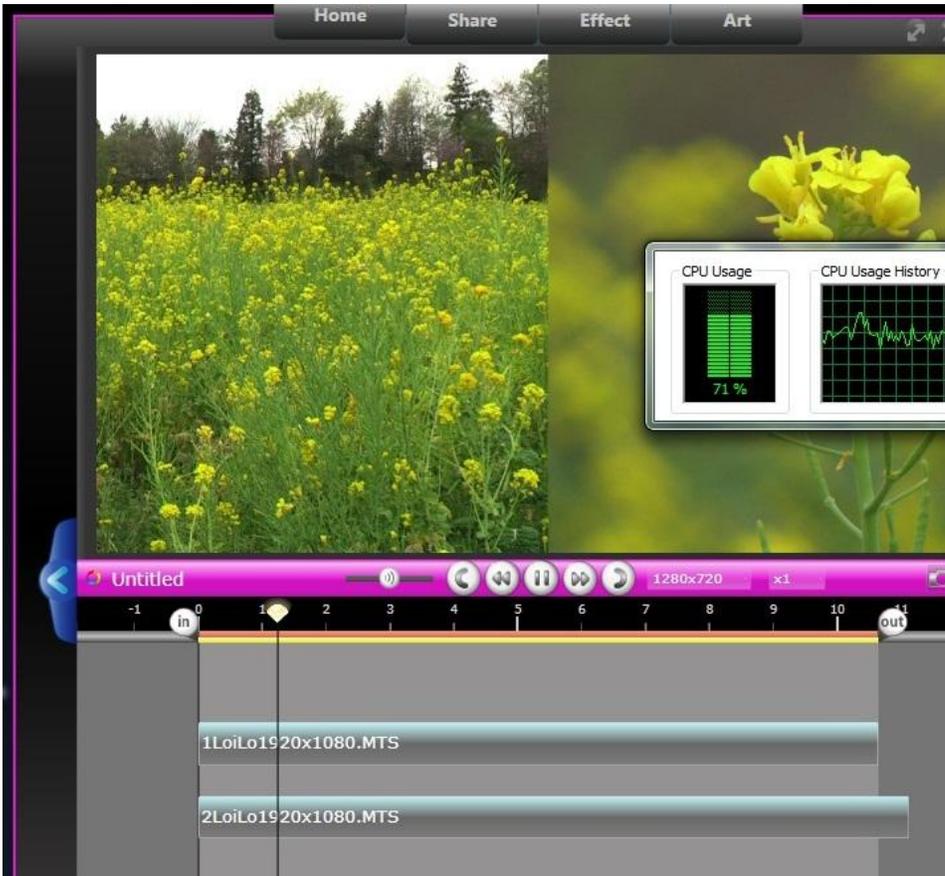
Launch task manager and check Options → Always on Top to start the test!



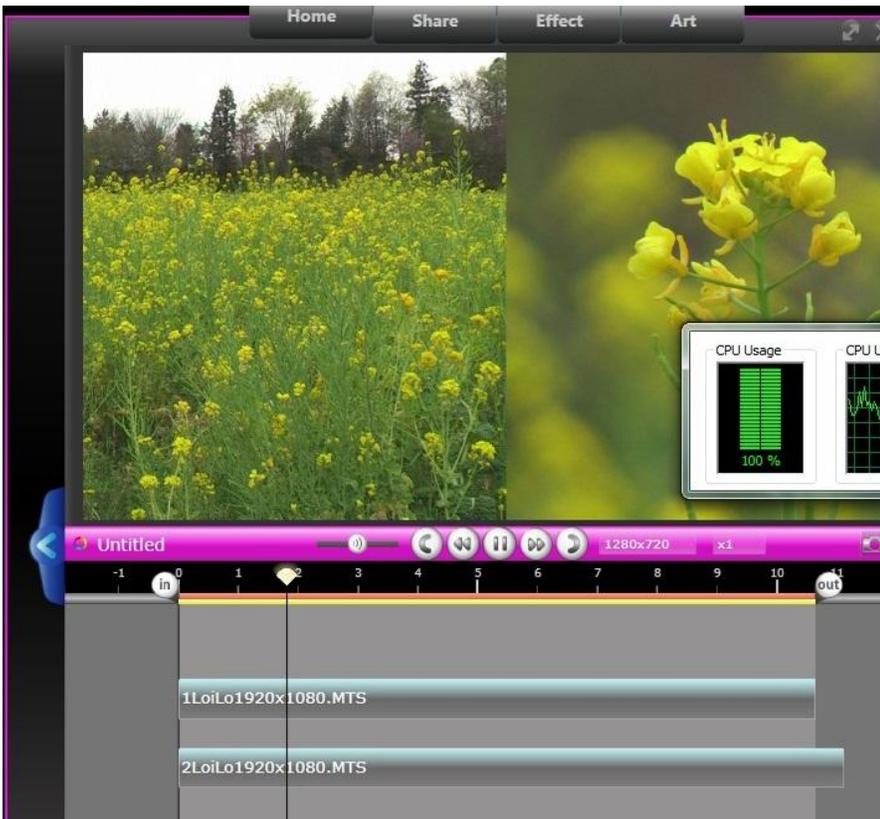
**NVIDIA GT240 result: 12% CPU usage**



RADEON 5750: 71% CPU usage



Pentium Dual-core 2.8Ghz: 100% CPU usage



Promising AVCHD video editing results with NVIDIA GT240/220

Please let us know if anything.

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