

How to use Gyroflow on:

1.iOS

2. Android

3.PC

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The latest version please download from:

https://drive.google.com/file/d/1S6hBLW3xLszGbyROE381hlkwY10z0jjB/view?usp=sharing

IOS:

IOS:Please search "gyroflow: on app store.

- 1. Use sd card reader to ready the video and gyro data on the sd card, make sure they are on the same directory. (4K 50 can not be stabled, cause no gyro data in this resolution)
 - ▲ 20240311114534_202420.MP4 Video,
 - 20240311114534_202420.gcsv Gyro file
- 2. Select a video file in the sd card directory.



3. Click on the blue font (Normally for the first time to authorize)to select the file directory for access authorization.



4. Click auto sync to sync the video and gyro data(Keep gyro offset and search size default, sync points at least 5).



5. Export video



6. You can select a video clip or change resolutions to reduce the rending time.

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H.265/HE	vc								~
Output size	2592				1944				ŝ

Video tutorial

https://youtu.be/NaIAbzdivI0?si=Ji2aoBxGAELgyFMN



Android:

Android: Please MUST USE this version gyroflow, or you will waste your time, and the tutorial is not match.

https://drive.google.com/file/d/1gHmF8C-gqs 9XqPbChQVJ-LdMjNdhN/view?usp= sharing



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4. When finished, Export video



5. You can select a video clip or change resolutions to reduce the rending time.

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Output size	2592				1944				ŝ

Video tutorial

https://youtu.be/F7fNt5FCvkQ?si=YDwFWvUEyHh5NCuf



PC(WIN 10, 11):

Software downloads (Please MUST USE this version gyroflow, or you

will waste your time, and the tutorial is not match).

https://drive.google.com/file/d/1b9hHcAquPv38hZttc9Xcz6gURHscVj-k/vi ew

The video and the gyro files are NEED to placed in the same directly and the file names are the same. (4K 50 cannot be stabled, cause no gyro data in this resolution)

1.

```
▲ 20240311114534_202420.MP4 Video,
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20240311114534_202420.gcsv Gyro file

2. Double click to run gyroflow.exe and drop the video file in to the software.



2. Sync search size keep default, then Click "Auto sync" and wait.

C Synchroniza	ation	
	\mathfrak{O} Auto sync	Ο
Rough gyro offset	0.0 s	
Sync search size	3.5 s	
Max sync points	5	

3. When the sync process is finished, export video.



4. For saving time ,you can select a video click to output.



Portrait video:

When camera play in portrait, input 90 degrees in "rotation" in gyroflow:



Set the output to portrait mode.



How to flip the chest clip to a vertical screen.

https://youtube.com/shorts/H8f_pgFre2Y?si=egb4KZYRow0yfU6A



Notes for Gyroflow :

1. Sync time change to 3-5 second:



2.Use rs-sync:

- 3. (4K 50 can not be stabled, cause no gyro data in this resolution)
- 4.Select Dynamic zooming, then there will be no black side.



5.Sync points should be similar number, if its too different, delete it and add a sync point on other point(right click on the mouse).





6.If can't export video, turn GPU off, change to H.264.



7.Software require Win 10,11. If can't open the software, install the VC pack:

VC_redist.x64.exe .

download-cta

Download link : <u>https://aka.ms/vs/17/release/vc_redist.x64.exe</u>

- 8. If still can't open, you can install VC:
- 9. https://visualstudio.microsoft.com/zh-hans/downloads/?cid=learn-onpage-



10. The light dot is optical flow, you could turn it off.

	O Auto sync
	Rough gyro offset 0.0 s
	Sync search size 3.5 s
	Max sync points 5
	Advanced
	Analyze every n-th frame 1
	Time to analyze per sync point 3.50 s
	Processing resolution 720p
	Optical flow method OpenCV (DIS)
$10^{(630)5476)}_{10\%}$ [< > >] $(300^{5476)}_{10}$ [< > >]	Pose method findEssentialMat
00:00:17 00:00:35 00:00:53 00:01:11 00:01:28 00:01:46	Offset method Essential matrix
un Madellahalan dahati man Manaka Manaka mata dalah Mana Mana M	Low pass filter
a de la constante de constante de la constante	Show detected features
-681.01 ms	Show optical flow