

 r/StableDiffusion • 3 hr. ago
Far_Insurance4191

...

You can run Flux on 12gb vram

Tutorial - Guide

Edit: I had to specify that the model doesn't entirely fit in the 12GB VRAM, so it compensates by system RAM

Installation:

1. Download Model - **flux1-dev.sft** (Standard) or **flux1-schnell.sft** (Need less steps). put it into **\models\unet** // I used dev version
2. Download Vae - **ae.sft** that goes into **\models\vae**
3. Download **clip_l.safetensors** and one of T5 Encoders: **t5xxl_fp16.safetensors** or **t5xxl_fp8_e4m3fn.safetensors**. Both are going into **\models\clip** // in my case it is fp8 version
4. Add **--lowvram** as additional argument in "run_nvidia_gpu.bat" file
5. Use workflow according to model version and be patient ;)

Model + vae: [black-forest-labs \(Black Forest Labs\) \(huggingface.co\)](#)

Text Encoders: [comfyanonymous/flux_text_encoders at main \(huggingface.co\)](#)

Flux.1 workflow: [Flux Examples | ComfyUI_examples \(comfyanonymous.github.io\)](#)

My Setup:

CPU - Ryzen 5 5600

GPU - RTX 3060 12gb

Memory - 32gb 3200MHz ram + page file

Generation Time:

Generation + CPU Text Encoding: ~160s

Generation only (Same Prompt, Different Seed): ~110s

Notes:

- Generation used all my ram, so 32gb might be necessary
- Flux.1 Schnell need less steps than Flux.1 dev, so check it out
- Text Encoding will take less time with better CPU
- Text Encoding takes almost 200s after being inactive for a while, not sure why

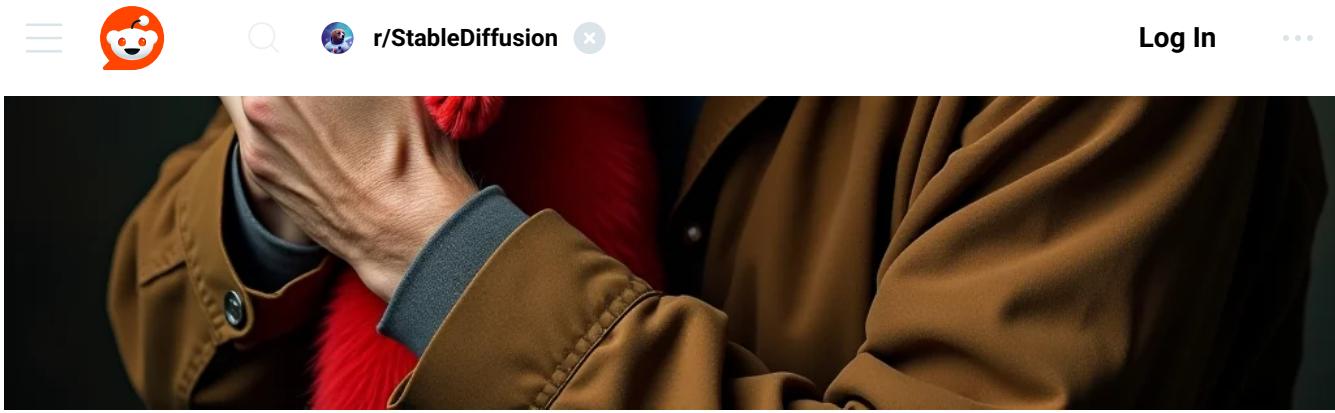
Raw Results:





a photo of a man playing basketball against crocodile





a photo of an old man with green beard and hair holding a red painted cat

75

44

Share



u/getmaron • Promoted

Stop wasting time applying for Jobs. Let our AI agents do it for you.

maron.ai

+ Add a Comment

Sort by: Best

Search Comments



comfyanonymous • 2h ago

If you are running out of memory you can try setting the `weight_dtype` in the "Load Diffusion Model" node to one of the fp8 formats. If you don't see it you'll have to update ComfyUI (update/update_comfyui.bat on the standalone).

21

Reply



Far_Insurance4191 OP • 1h ago

Thanks! Gonna test further

3

Reply



7 more replies



Baphaddon • 1h ago

Love this community lol

Rich_Consequence2633 • 44m ago • Edited 41m ago

Got it working on 16gb vram with fp8 dev model. I'll give the full version a try but this seems to work well, apart from it taking like 4-5 minutes per image.

Honestly pretty impressed with my first image.

a cute anime girl, she is sipping coffee on her porch, mountains in the background



6 [Reply](#)

red_dragon • 1h ago

Thank the Far_Insurance gods! Was really hoping there would be a way to keep my 3060 12gb relevant.

5 [Reply](#)

Far_Insurance4191 OP • 1h ago

Happy to help)

3 [Reply](#)

Difficult_Tie_4352 • 2h ago

Sorry if I'm blind or anything but is there a way to give it a negative prompt in comfy?

4 [Reply](#)

Far_Insurance4191 OP • 1h ago

This model seems to work differently with CFG, couldn't get negative working well

4 [Reply](#)

kharzianMain • 1h ago

This is very useful, Ty. Flux looks great but 12gb... At least there's hope.

3 [Reply](#)



Log In

...

up with all these new models pros and cons 😊

9 [Reply](#)

4 more replies

More posts you may like

 r/StableDiffusion

一笔 diffusers 0.25.0 is out: aMUSED, 3x faster SDXL, and more

165 upvotes · 60 comments

 r/StableDiffusion

I revamped the StableAudio Gradio with more features and just put it up for others to use.

113 upvotes · 21 comments

 r/StableDiffusion

AUTOMATIC1111 updated to version 1.10.0

132 upvotes · 46 comments

 r/StableDiffusion

1.10.0-RC published

186 upvotes · 29 comments

 r/StableDiffusion

Version 0.2 of AuraFlow model has been released

142 upvotes · 74 comments

 r/StableDiffusion

Creating an Animated Short Film - Which Tool to Use

3 comments

r/StableDiffusion

What's everyone's favorite upscaler?

93 upvotes · 74 comments

r/StableDiffusion

PSA: Forge is getting updates on its "dev2" branch; here's how to switch over to try them! :)

The screenshot shows the r/StableDiffusion subreddit homepage with the following posts:

- Generated some wallpapers, which one's your favourite?**
8
409 upvotes · 92 comments
- r/StableDiffusion**
Meta AI have just released Segment Anything 2
229 upvotes · 41 comments
- r/StableDiffusion**
Tencent releases PhotoMaker V2
200 upvotes · 53 comments
- r/StableDiffusion**
ControlNet++: All-in-one ControlNet for image generations and editing
258 upvotes · 72 comments
- r/StableDiffusion**
Is WD14 still the most accurate tagger?
95 upvotes · 95 comments
- r/StableDiffusion**
I wish I knew about Onetrainer long time ago...
226 upvotes · 111 comments
- r/StableDiffusion**
New two-stage PixArt ensemble of experts (2x 900M)
110 upvotes · 34 comments
- r/StableDiffusion**
I open sourced a whole dang real-time webcam AI startup
201 upvotes · 14 comments
- r/StableDiffusion**
PSA to Devs: Getting people to use your stuff
172 upvotes · 19 comments
- r/StableDiffusion**
What's the current "golden standard" for realistic people generation?

The screenshot shows a list of posts in the r/StableDiffusion subreddit. Each post includes the title, upvote count, comment count, and a link back to the full post.

- What the hell happened to u/AbdullahAlfaraj?**
138 upvotes · 43 comments
[r/StableDiffusion](#)
- reForge WebUI updates, and: in need of a bit of help to support newer models, they are in the backend already!**
134 upvotes · 75 comments
[r/StableDiffusion](#)
- reForge updates: New Samplers, new scheduler, more optimizations! And some performance comparisons.**
130 upvotes · 111 comments
[r/StableDiffusion](#)
- It's beginning to feel like Rule 1 no longer exists in this sub.**
1.1K upvotes · 182 comments
[r/StableDiffusion](#)
- Scam alert: Fake but functional 4090s are relabelled 3080 TIs**
135 upvotes · 58 comments
[r/StableDiffusion](#)
- Since some people wanted, the fork I did from Forge with A1111 dev upstream updates, is now renamed to stable-diffusion-webui-reForge! Also with some other features!**
140 upvotes · 84 comments
[r/StableDiffusion](#)
- An open-sourced Text/Image2Video model supports up to 720p 144 frames (960x960, 6s, 24fps)**
222 upvotes · 27 comments
[r/StableDiffusion](#)