Open source · runs locally

Text to video on your own GPU: Wan 2.2 in ComfyUI

Run an open-weight video model locally with ComfyUI's built-in Wan 2.2 workflow template. No per-clip fees; you need a strong NVIDIA GPU.

VideoToShorts · https://videotoshortsconverter.com/workflows/text-to-video-open-models-comfyui · checked November 19, 2026

COST
Free software; your own hardware and electricity

TIME
About an hour to set up, then minutes per clip

LEVEL
Intermediate

HARDWARE
Wan's own page says the 5B text-and-image-to-video model runs on a single consumer GPU such as an RTX 4090 (24 GB VRAM).

What you need

ComfyUI: Node-based app that runs the model

Wan 2.2: Alibaba model, open weights

LTX-2.5: Lightricks model, open weights

Best for: B-roll and visual hooks, Creators with a 24 GB GPU, Anyone who wants no per-clip fees or uploads.

Steps

1 Install or update ComfyUI

Download ComfyUI (desktop or portable) from comfy.org. ComfyUI's Wan 2.2 guide notes that if the workflows are missing from the templates, ComfyUI is probably out of date.

2 Open the Wan 2.2 template

In ComfyUI, open the Workflow Templates and choose the Wan 2.2 5B text/image-to-video (TI2V) workflow. The 14B workflows need more VRAM.

3 Download the model files

The template and ComfyUI's guide list the model files (the guide uses Comfy-Org's repackaged Wan 2.2 files). Put each file in the folder the guide names.

4 Write the prompt

Describe subject, action, camera and light in plain sentences, for example: a barista pours latte art in slow motion, close-up, warm morning light, shallow depth of field. Set the frame count and resolution in the workflow.

5 Generate and iterate

Run the queue, review, then change one thing at a time (prompt wording, seed, length). Keep the seed when you find a look you like.

6 Make it vertical

Generate in a vertical resolution if the workflow allows it, or crop to 9:16 with FFmpeg afterwards.

```
ffmpeg -i wan_output.mp4 -vf "crop=ih*9/16:ih,scale=1080:1920" vertical.mp4
```

Questions

Can I use Wan 2.2 commercially?

Wan 2.2 is released under Apache 2.0. Always read the license on the model page for the exact files you download.

What if my GPU has less VRAM?

Try the smaller variants and lower resolutions, or LTX models, which are built for speed. Our open-source page lists open video models by downloads.

Sources

- ComfyUI Wan 2.2 guide
- Wan2.2-TI2V-5B model page (hardware, license)
- ComfyUI LTX Video guide

Commands checked against each tool's docs on November 19, 2026.