

ModelScope Video Diffusion (MSVD)

- ✓ Text → Video
- ✓ Very popular open-source model
- ✓ Runs on GPU or CPU (slow on CPU)

□ Install

```
pip install diffusers transformers accelerate torch torchvision imageio
```

▶ □ Code text-video.py :-

```
from diffusers import DiffusionPipeline
import torch
import imageio

pipe = DiffusionPipeline.from_pretrained(
    "damo-vilab/text-to-video-ms-1.7b",
    torch_dtype=torch.float16
).to("cuda")

prompt = "A monkey riding a horse, cinematic"

result = pipe(prompt, num_frames=24, fps=8)
video = result.frames

imageio.mimsave("msvd_video.mp4", video, fps=8)
```

and run it :-

```
python text-video.py
```