```python
from google.colab import drive
drive.mount('/content/drive')
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/c
```

```python
#!pip install git+https://github.com/huggingface/diffusers.git
#!pip install transformers accelerate torch
```

```python
import torch
from diffusers import DiffusionPipeline, DPMSolverMultistepScheduler
import numpy as np # Import numpy
import imageio # import imagio

pipe = DiffusionPipeline.from_pretrained(
    "cerspense/zeroscope_v2_576w",
    torch_dtype=torch.float16
)

pipe.scheduler = DPMSolverMultistepScheduler.from_config(pipe.scheduler.config)
pipe.enable_model_cpu_offload()
pipe.vae.enable_slicing()

prompt = "A cute cat happily playing with a small red ball"
result = pipe(prompt, num_inference_steps=20, height=320, width=576, num_frames=16)

video_frames = result.frames[0]        # remove batch dimension
video_frames = (video_frames * 255).astype(np.uint8)

output_video_path = "output.mp4"
fps = 8

with imageio.get_writer(output_video_path, fps=fps) as writer:
    for frame in video_frames:
        writer.append_data(frame)

output_video_path
```

```
Flax classes are deprecated and will be removed in Diffusers v1.0.0. We recommend migrating t
Flax classes are deprecated and will be removed in Diffusers v1.0.0. We recommend migrating t
/usr/local/lib/python3.12/dist-packages/huggingface_hub/utils/_auth.py:94: UserWarning:
The secret `HF_TOKEN` does not exist in your Colab secrets.
To authenticate with the Hugging Face Hub, create a token in your settings tab (https://huggi
You will be able to reuse this secret in all of your notebooks.
Please note that authentication is recommended but still optional to access public models or
  warnings.warn(
```

model_index.json: 100%   384/384 [00:00<00:00, 45.9kB/s]

Fetching 12 files: 100%   12/12 [00:25<00:00, 7.52s/it]

merges.txt: 525k/? [00:00<00:00, 2.70MB/s]

scheduler_config.json: 100%   465/465 [00:00<00:00, 7.10kB/s]

tokenizer_config.json: 100%   737/737 [00:00<00:00, 12.3kB/s]

vocab.json: 1.06M/? [00:00<00:00, 4.97MB/s]

special_tokens_map.json: 100%   460/460 [00:00<00:00, 3.88kB/s]

config.json: 100%   727/727 [00:00<00:00, 8.54kB/s]

Start coding or generate with AI.

---

text_encoder/pytorch_model.bin: 100%   681M/681M [00:25<00:00, 26.3MB/s]

config.json: 100%   636/636 [00:00<00:00, 50.2kB/s]

unet/diffusion_pytorch_model.bin: 100%   2.82G/2.82G [00:25<00:00, 183MB/s]

vae/diffusion_pytorch_model.bin: 100%   167M/167M [00:01<00:00, 144MB/s]

Loading pipeline components...: 100%   5/5 [00:01<00:00, 2.35it/s]

```
`torch_dtype` is deprecated! Use `dtype` instead!
An error occurred while trying to fetch /root/.cache/huggingface/hub/models--cerspense--zeros
Defaulting to unsafe serialization. Pass `allow_pickle=False` to raise an error instead.
An error occurred while trying to fetch /root/.cache/huggingface/hub/models--cerspense--zeros
Defaulting to unsafe serialization. Pass `allow_pickle=False` to raise an error instead.
The TextToVideoSDPipeline has been deprecated and will not receive bug fixes or feature updat
```

100%   20/20 [00:59<00:00, 2.79s/it]

'output.mp4'