

DeepSeek Chat



ComfyUI Animate.doc
DOCX 21.81KB

Arrange this information . I want you to put all the info and do not delete anything . I want all of them . I just need you to arrange them .



⊞ Thought for 26 seconds ^

Comprehensive Guide to Video Generation Models for GTX 1650 4GB VRAM Organized and Merged from All Provided Information

1. Overview of Compatible Models

The following models work with a GTX 1650 4GB VRAM:

Stable Video Diffusion Lite (SVD-XT)

- **VRAM Required:** 3–4GB
- **Features:**
 - Image-to-video generation
 - Short clips (14–16 frames)
 - Supports lower resolutions
 - Best for: Simple animations , short clips
- **Links:**
 - Model : [Hugging Face](#)
 - ComfyUI Node : [GitHub](#)
- **Installation:** Via ComfyUI Manager
- **Size & Storage:**
 - Total : ~2.7GB (2.2GB main model + 500MB additional files)
 - VRAM Usage: 3–4GB

- Storage Needed : ~3GB
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AnimateDiff Lite

- **VRAM Required:** 4GB
 - **Features:**
 - Image-to-video animation
 - Works with existing Stable Diffusion models
 - Best for: Character animations
 - **Links:**
 - Model : [Hugging Face](#)
 - ComfyUI Node : [GitHub](#)
 - **Installation:** Via ComfyUI Manager
 - **Size & Storage:**
 - Total : ~2GB (1.5GB main model + 400MB motion module)
 - VRAM Usage: 4GB
 - Storage Needed : ~2.5GB
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Modelscope Video Generation

- **VRAM Required:** 3.5–4GB
- **Features:**
 - Text-to-video generation
 - Short clips (16 frames)
 - Best for: Basic animations
- **Links:**
 - Model : [Hugging Face](#)
 - ComfyUI Node : [GitHub](#)
- **Installation:** Via ComfyUI Manager
- **Size & Storage:**
 - Total : ~1.9GB (1.7GB main model + 200MB additional files)
 - VRAM Usage: 3.5–4GB
 - Storage Needed : ~2GB

LTX-Video

- **VRAM Required:** 4GB minimum
 - **Features:**
 - Text-to-video , image-to-video , video-to-video
 - Best for: Longer sequences at lower resolutions
 - **Links:**
 - Model : [Hugging Face](#)
 - ComfyUI Node : [GitHub](#)
 - **Installation:** Via ComfyUI Manager
 - **Size & Storage:**
 - Total : ~2.3GB (2GB main model + 300MB additional files)
 - VRAM Usage: 4GB
 - Storage Needed : ~2.5GB
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2. Setup Options

Local Setup (Recommended)

1. Install [ComfyUI](#) .
2. Install the **ComfyUI Manager** node: [GitHub](#) .
3. Use the Manager to install model-specific nodes .
4. Enable memory optimization settings .
5. Run at lower resolutions (e.g., 512x512).

Cloud Options

- Platforms :
 - Runpod .io
 - Vast.ai
 - Google Colab
 - Benefits : Access to more powerful GPUs.
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3. Model Comparisons & Recommendations

Performance Ratings

1. **Stable Video Diffusion Lite (SVD-XT)** ★★★★★

- **Pros:** Best quality , reliable , official support .
- **Cons:** Limited to 14–16 frames .

2. **AnimateDiff Lite** ★★★★★

- **Pros:** Great for character animation , motion styles .
- **Cons:** Complex setup , inconsistent results .

3. **LTX-Video** ★★★★★

- **Pros:** Longer sequences , multi-input support .
- **Cons:** Lower quality , unstable on 4GB VRAM.

4. **Modelscope** ★★★★★

- **Pros:** Lightweight , simple .
 - **Cons:** Low-quality output , limited control .
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Use Case Recommendations

• **Character Animations :**

- **AnimateDiff Lite** (Best for smooth transitions and anime styles).

• **Image-to-Video :**

- **Stable Video Diffusion Lite** (Best for realistic outputs).

• **Combined Workflow :**

- Install **AnimateDiff Lite** (character focus) + **SVD-XT** (realistic focus).
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4. Storage & System Requirements

• **Total Disk Space :**

- 8–10GB for all models .
- 20GB recommended for flexibility .

• **ComfyUI Requirements :**

- ~500MB additional space for nodes .
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5. Support Options

Let me know if you need help with :

1. Setting up ComfyUI locally .
2. Installing specific models .
3. Example workflows (e.g., character animation + image-to-video).

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