



Video Editor - Universal Video Tool

A modern desktop application combining video downloading capabilities with a powerful video editing suite. Built with Python and PyQt6, featuring AI-powered subtitles and professional export.

Build Video Editor passing

✨ Highlights

- 🎥 **Download videos** from TikTok, Douyin, YouTube, and more
 - 🤖 **AI Auto Caption** with translation support (Chinese → Vietnamese)
 - ⚡ **MLX Whisper** acceleration on Apple Silicon (M1/M2/M3)
 - 📝 **Live subtitle preview** on video player
 - 🎯 **Burn subtitles** into exported videos
 - 📦 **One-click installers** for macOS and Windows
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Download & Install

macOS

Download `VideoEditor-macOS.dmg` → Open → Drag to Applications

Windows

Download `VideoEditor-Setup.exe` → Run → Next → Install

[Download Latest Release →](#)

Features

Video Downloader

Platform	Status	Notes
TikTok		No watermark
Douyin		Auto cookie handling
YouTube		Shorts + Videos
Threads		Meta's platform
Facebook/Instagram		May need cookies

Video Editor

- **Timeline:** Multi-track editing with magnetic snapping
- **Transform:** Position, Scale, Rotation controls
- **Audio:** Volume, Fade, Waveform visualization
- **Color:** Brightness, Contrast, Saturation, Hue
- **Effects:** Filters & Stickers library

AI Features

Feature	Description
Auto Caption	Speech-to-text using Whisper AI
Translation	Auto translate to Vietnamese, English, etc.
MLX Whisper	5-10x faster on Apple Silicon
Live Preview	See subtitles on video while playing
Burn-in Export	Subtitles embedded in final video

Export

- Resolution: 720p / 1080p / 4K
 - FPS: 24 / 30 / 60
 - FFmpeg bundled (no external install needed)
 - ASS subtitles with custom styling
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Development Setup

Prerequisites

- Python 3.9+
- FFmpeg (bundled in releases, optional for dev)

Install

```
git clone https://github.com/faker6996/tool_dwonload_tiktok.git
cd tool_dwonload_tiktok

python -m venv venv
source venv/bin/activate # Windows: venv\Scripts\activate

pip install -r requirements.txt
playwright install
```

Run

```
python main.py
```

Optional: MLX Whisper (Apple Silicon only)

```
pip install mlx-whisper # 5-10x faster transcription
```

Building

Automatic (GitHub Actions)

Push to `main` or create a tag:

```
git tag v1.0.0  
git push --tags
```

Releases will have:

- `VideoEditor-macOS.dmg` - macOS installer
- `VideoEditor-Setup.exe` - Windows installer

Manual Build

```
# macOS  
./scripts/build_mac.sh  
  
# Windows  
scripts\build_windows.bat
```

Project Structure

```
|── src/  
|   ├── core/           # Business logic  
|   |   ├── ai/          # Whisper, TTS, Translation  
|   |   ├── export/       # FFmpeg renderer  
|   |   ├── platforms/    # TikTok, Douyin, YouTube  
|   |   └── timeline/     # Timeline, Track, Clip  
|   └── ui/             # PyQt6 UI  
|       ├── panels/       # Player, Timeline, Inspector  
|       └── dialogs/      # Export, Settings
```

```
|       └─ pages/      # Download, Edit pages
|   └─ scripts/       # Build scripts
|   └─ assets/        # Icons, resources
└─ .github/workflows/ # CI/CD
```



Roadmap

Completed:

- Multi-platform video download
- Timeline-based video editor
- AI auto caption with Whisper
- Translation (Chinese → Vietnamese)
- Live subtitle preview
- Subtitle burn-in export
- MLX Whisper for Apple Silicon
- Professional installers (DMG/EXE)

Future:

- Cloud sync
 - More effects & transitions
 - Keyframe animation
 - Mobile companion app
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Contributing

1. Fork the repository
 2. Create feature branch
 3. Submit pull request
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