

# Video in Linux - the Gnome world.

**Summary** – n.b. this is a discussion starter.

Video Playback – options, formats.

Video Recording

Video Editing – some packages available.

DVD Authoring

# Definitions

**Rendering** - the process of calculating effects in a video editing file to produce final video output. Giving the final appearance to the models and animation.

**Codec** - a device or software that enables video compression and/or decompression for digital video.

**Transcoding** - the direct digital-to-digital conversion of one encoding to another. Usually when converting to a different file format or to different resolution.

**Re-encoding** – de-compressing and then re-compressing a video file.

# Video Playback

## Totem Movie Player

- Ubuntu's audio and video default player.
- Variety of file formats
- But not # WMV
  - # RealVideo
  - # DivX
- # QuickTime
  - These require additional codecs to be installed.
- Or better still convert to supported format e.g. Ogg Theora.
- Includes a playlist
- Includes a YouTube browser plugin.

# Video Playback

MPlayer Movie Player - More fully featured and configurable. Will play VCDs.

Other options – Xine, Xawtv, MP4Player, VLC  
- **FreeJ** - a vision mixer for realtime video manipulation used in the fields of dance theater, veejaying, medical visualisation and TV. Allows you to interact with multiple layers of video, filtered by effect chains and then mixed together....

# FreeJ Screenshots



# Video Recording

Video Capture – can use xawtv or Kaffeine or Kino with an analog capture card or TV card.

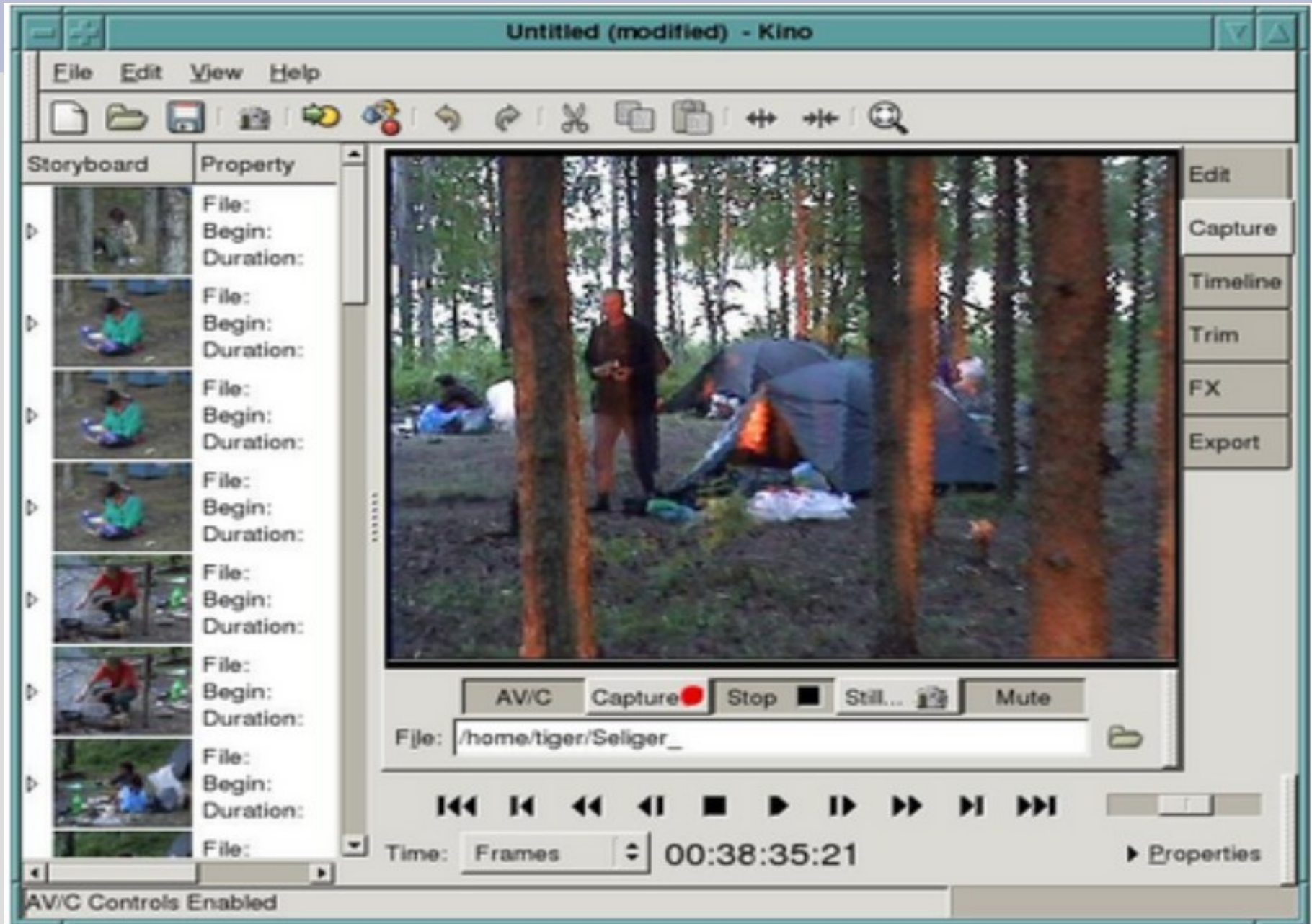
Analog capture is for use from VCRs and older video camcorders.

Many examples of these cards are available.

# Video Editing Programs

- **Dvbcut** – basic function for editing out ads
- **OpenMovieEditor** – version 0.0.20081029 only, try again in 2 years.
- **Kino** – more features, plugins available.
- **Cinelerra** – highly developed, all bells and whistles, more of a learning curve.
- **AviDemux** - .avi and DivX files only. Good effects.
- **Ksubtitle** - subtitle editor
- **DVDStyler** - for Dvd mastering.
- **DeVeDe** – for Dvd mastering.
- **Transcode** – video transcoder.
- **KdenLive** – early days but looking promising.

# Kino Screenshot



# Video Editing

## Distros

Ubuntu Studio - mainly for audio file editing  
but includes OpenMovieEditor, Kino.

Dyne-Bolic – many choices, Kino, AviDemux,  
Cinelerra, Ksubtitle, DVDStyler, Transcode.

64 Studio – more for audio work?

VideoLinux – Release 2.1, 14-Apr-2007.