

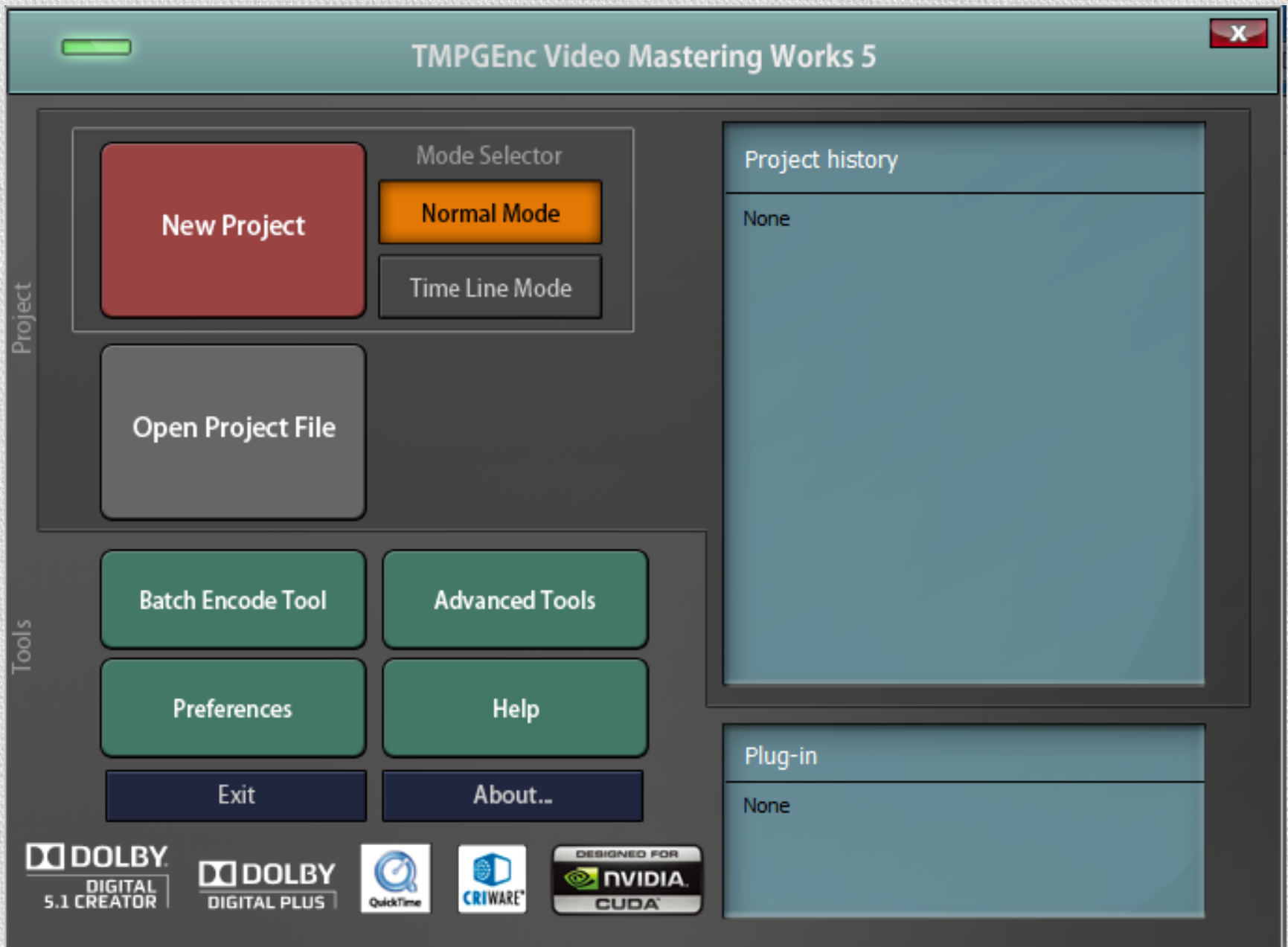
# TMPGEnc – Pegasus

VIDEO EDITING AND  
FORMATS (PART 1)

DVD AUTHORIZING AND  
DISK BURNING (PART 2)

Kelvin Cording  
March 2011







Start

Source

Menu

Simulation

Output

Options

**TMPGEnc  
Authoring Works 4**

DVD  
Video



PAL (Europe, etc)



Project history

START A NEW PROJECT

NEW

DISC WRITING  
TOOL

OPEN A  
PROJECT FILE

BATCH AUTHORIZING TOOL

Authoring Engine  
DVD-Video  
Blu-ray  
DivX Ultra  
PEGASYS TE

Blu-ray Disc

DIVX  
ULTRA

DOLBY  
DIGITAL  
5.1 CREATOR

ADVANCED  
TOOLS

TUTORIAL

HELP

Output size:

4.7 GB

8.5 GB

0/8025 MB

Start

Source

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**TMPEnc  
Authoring Works 4**

START A NEW PROJECT

DISC WRITING  
TOOL

OPEN  
PROJECT

BATCH AUTHORIZING TOOL

DVD  
Video



PAL (Europe, etc)

DVD  
Video



NTSC (USA, Japan)

DVD  
Video



PAL (Europe, etc)

Blu-ray  
BDMV



NTSC (USA, Japan)

Blu-ray  
BDMV



PAL (Europe, etc)

DivX  
Ultra



NTSC (USA, Japan)

DivX  
Ultra



PAL (Europe, etc)

Authoring Engine  
DVD-Video  
Blu-ray  
DivX Ultra  
PEGASYS TE

Blu-ray Disc™

DIVX®  
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# TMPGEnc – *Pegasus*

VIDEO EDITING AND  
FORMATS *(PART 1)*





# What is TMPGEnc Video Mastering Works 5 ?

- a multi-format digital video converter
- DVD-Video, Blu-ray, AVCHD, HDV and DV input support
- can generate a high-quality MPEG file responding to the requirements of the DVD-Video or Blu-ray (BDAV, BDMV) formats for use in a disc authoring applications
- MPEG file output for Mobile Device support
- Output support for MPEG-4 AVC, AVI, DivX, Windows Media Video, QuickTime, MKV, and many other formats  
*(Many parameters can be exposed)*



# What is TMPGEnc Video Mastering Works 5

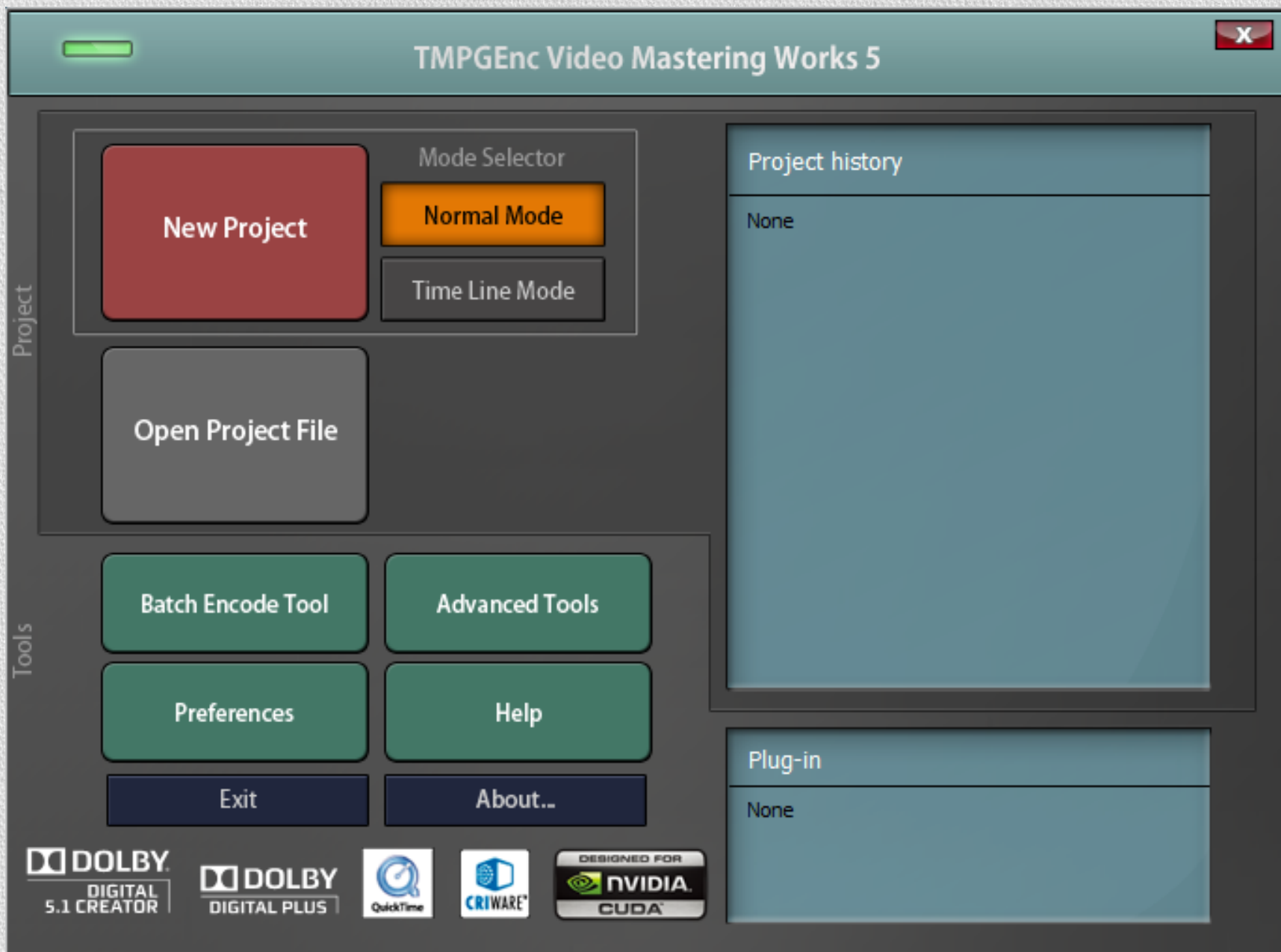
- Simple Editing
- Transitions between clips
- Filters e.g. color correction, audio volume, picture size , etc



# Types of Files That Can Be Read (input)

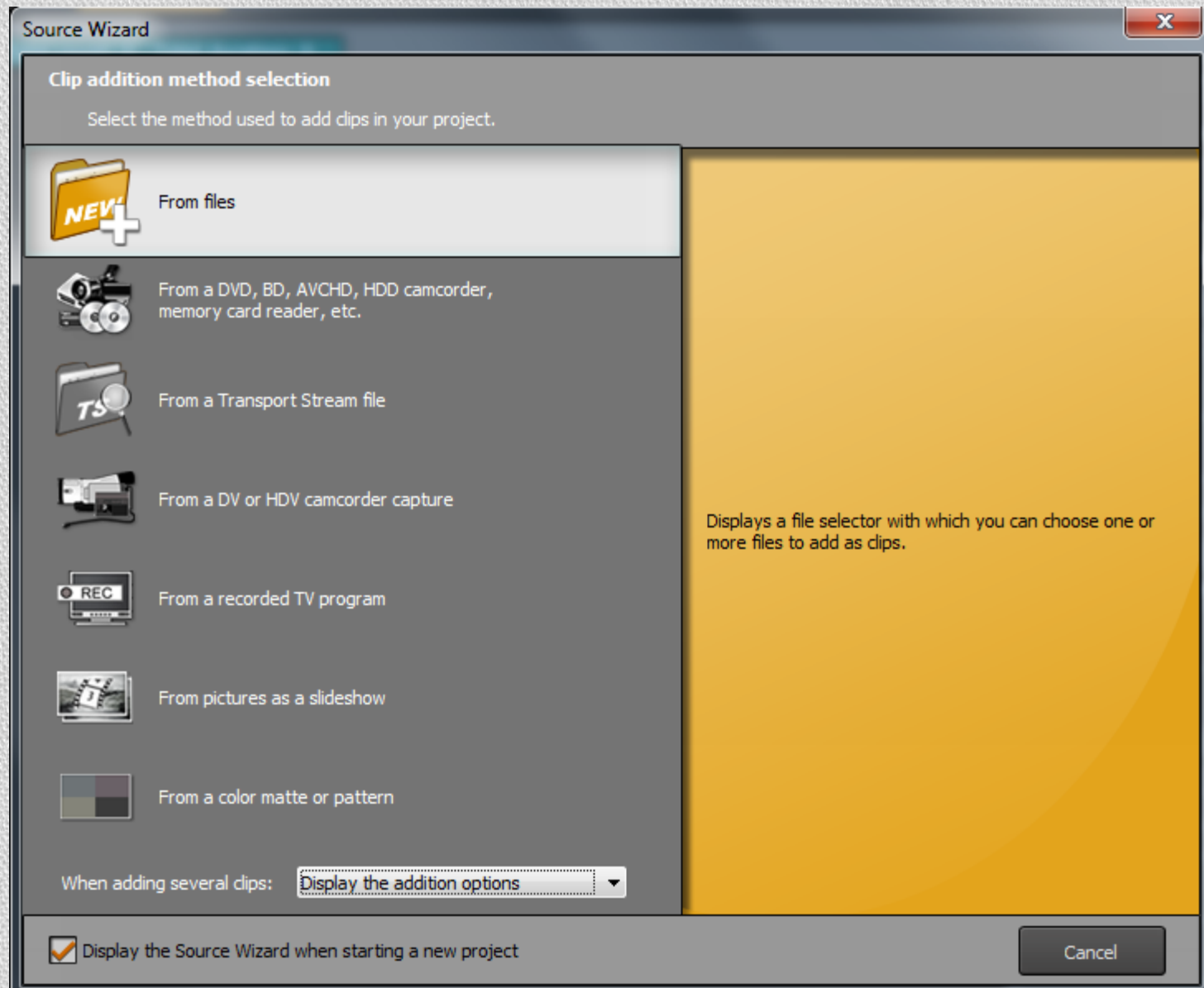
```
All supported file (*.divx;*.avi;*.wav;*.mod;*.mpg;*.mpeg;*.m2p;*.m2t;*.m2ts;*.mts;*.ts;*.dvr-ms;*.mp4;*.m4v;*.flv;*.mkv;*.wtv;*.m1v;*.mpv;*.m2v;...)
DivX file (*.divx;*.avi)
AVI file (*.avi)
WAV file (*.wav)
MOD file (*.mod)
MPEG file (*.mpg;*.mpeg;*.m2p;*.m2t;*.m2ts;*.mts;*.ts;*.dvr-ms;*.mp4;*.m4v;*.flv;*.mkv;*.wtv;*.m1v;*.mpv;*.m2v;*.mp2;*.mpa;*.mp3;*.aac;*.ac3;*.ec3;*.wav)
Windows Media file (*.asf;*.wmv;*.wma;*.mp3)
WebM file (*.webm)
QuickTime file (*.mov;*.qt;*.mp4;*.m4a;*.m4v;*.3gp;*.3g2;*.amc)
FLV file (*.flv;*.fla)
Image file (*.bmp;*.jpg;*.jpeg;*.psd;*.png;*.wmf;*.emf;*.dib;*.rle;*.gif;*.ico;*.icon;*.jpe;*.jfif;*.exif;*.tiff;*.tif;*.wdp)
AIFF file (*.aif;*.aiff)
Media Foundation supported file (*.3g2;*.3gp;*.3gp2;*.3gpp;*.aac;*.adts;*.asf;*.avi;*.m4a;*.m4v;*.mov;*.mp3;*.mp4;*.wav;*.wma;*.wmv)
DirectShow supported file (*.avi;*.mpg;*.mpeg;*.asf;*.wmv;*.wav;*.mp2;*.asf;*.wma)
Force reader [DivX file reader] (*.divx;*.avi)
Force reader [AVI file reader] (*.avi)
Force reader [WAV file reader] (*.wav)
Force reader [MOD file reader] (*.mod)
Force reader [MPEG file reader] (*.mpg;*.mpeg;*.m2p;*.m2t;*.m2ts;*.mts;*.ts;*.dvr-ms;*.mp4;*.m4v;*.flv;*.mkv;*.wtv;*.m1v;*.mpv;*.m2v;*.mp2;*.mpa;*.mp3;*.aac;*.ac3;*.ec3;*.wav)
Force reader [Windows Media file reader] (*.asf;*.wmv;*.wma;*.mp3)
Force reader [WebM file reader] (*.webm)
Force reader [QuickTime 7 file reader] (*.mov;*.qt;*.mp4;*.m4a;*.m4v;*.3gp;*.3g2;*.amc)
Force reader [FLV1 / FLV4 file reader] (*.flv;*.fla)
Force reader [Picture series file reader] (*.bmp;*.jpg;*.jpeg;*.psd;*.png;*.wmf;*.emf;*.dib;*.rle;*.gif;*.ico;*.icon;*.jpe;*.jfif;*.exif;*.tiff;*.tif;*.wdp)
Force reader [AIFF file reader] (*.aif;*.aiff)
Force reader [Media Foundation file reader] (*.3g2;*.3gp;*.3gp2;*.3gpp;*.aac;*.adts;*.asf;*.avi;*.m4a;*.m4v;*.mov;*.mp3;*.mp4;*.wav;*.wma;*.wmv)
Force reader [DirectShow file reader] (*.avi;*.mpg;*.mpeg;*.asf;*.wmv;*.wav;*.mp2;*.asf;*.wma)
All files (*.*)
```







# Start a Project by Selecting Input Files





Clip

Total count: 4

Total duration: 10 min 20 s

1

neil

2 min 34 s (4643 frames) : 00:00:00 - 00:02:34

1920x1080, 29.97 fps

MPEG-4 AAC, 44100 Hz, 2 ch

Transition: None

X

2

neil

2 min 35 s (3876 frames) : 00:00:00 - 00:02:35

1920x1080, 25 fps

44100 Hz, 2 ch

Transition: None

X

3

neil(1)\_WMV 1Mbps

2 min 35 s (4646 frames) : 00:00:00 - 00:02:35

480x270, 29.97 fps

44100 Hz, 2 ch, 24 bits

Transition: None

X

4

neil

2 min 35 s (4655 frames) : 00:00:00 - 00:02:35

320x240, 30 fps

44100 Hz, 2 ch

Transition: The last clip cannot have a transition

X

Input File

+ Source Wizard

+ Add file

Add Slideshow

Edit Clip

Cut-edit

Filters

Batch

Transition editor

Edit Slideshow

Picture

Audio

Others

Move up

Move down

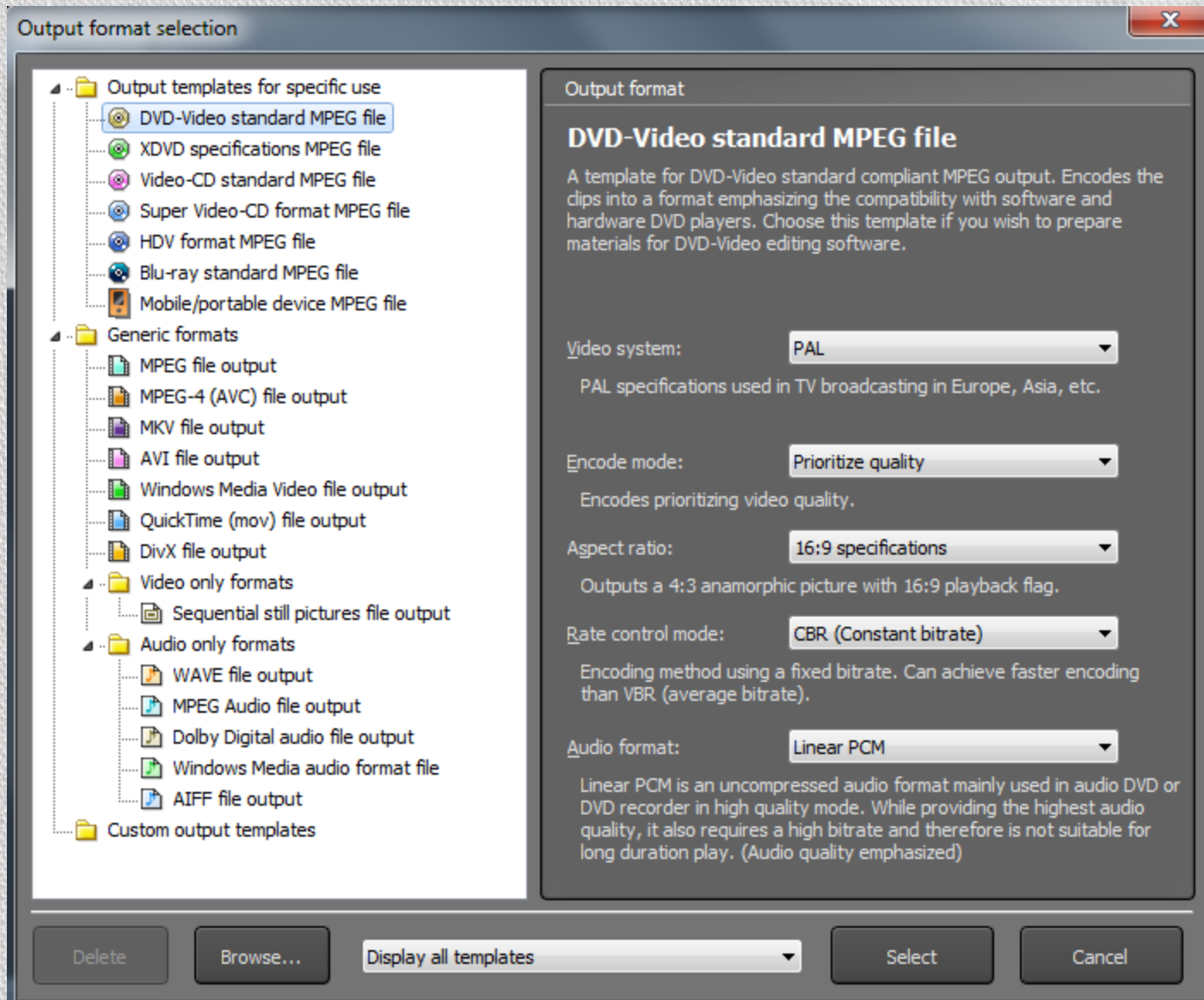
Delete clip

Clear

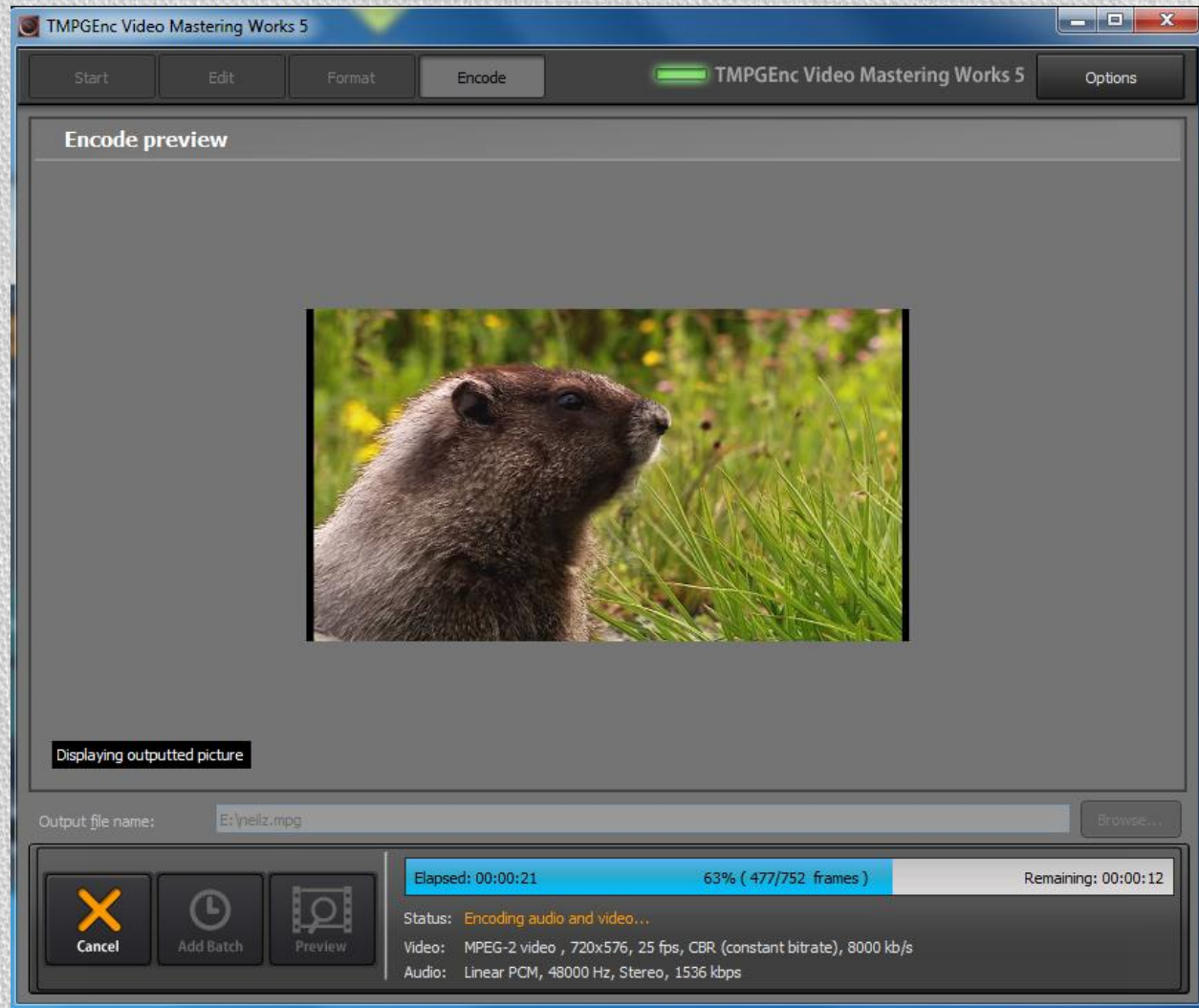
Timeline editor



# Selecting An Output Format



# Encode Output file(s)





# Computer Performance: Encoding Speed

Demo File (1283 frames)

*Laptop*

T2400 Dual CPU 1.83 HD GT 7600

1.20 minutes

*Video Editing Machine*

I7 -940, SSD , GTX470 (CUDA processing)

10 seconds



# About TMPGEnc

Costs : TMPEGEnc Video Mastering Works 5 **Free Trial**  
Full version \$99.95

TMPEGEnc Authoring Works 4 **Free Trial**  
Full version \$99.95

<http://tmpgenc.pegasys-inc.com/en/product/index.html>

**Basic** Demonstration of TMPGEnc Video Mastering Works 5