

Handleiding voor het maken van film bestanden (FLV)

Let op: Interwad besteedt de grootst mogelijke zorg aan de betrouwbaarheid en actualiteit van de gegevens op haar website. Onjuistheden en onvolledigheden kunnen echter voorkomen. Interwad is niet aansprakelijk voor schade als gevolg van onjuistheden of onvolledigheden in de aangeboden informatie, noch voor schade die het gevolg is van problemen, of inherent aan het verspreiden van informatie via internet. Tevens aanvaardt Interwad geen aanspraak voor schade die geleden wordt of verlies van data als gevolg van het installeren of gebruik van de genoemde of software van welke aard dan ook voor het maken van een FLV film bestand. Het installeren en gebruiken van software vindt plaats op eigen risico van de gebruiker. Volledigheidshalve adviseert Interwad om een antivirus programma te gebruiken bij het downloaden van software van het internet.

These instructions are only a small guide to one method to produce a FLV movie file. To fully understand the concepts of producing a FLV movie file and how to use the software please follow the software manufactures instructions.

If you are lucky enough to own a camera that can save a movie to a FLV file you can produce a movie which is ready to email with little effort. As an example: The [EX-S880](#) from Casio has a Youtube movie function. Use this setting with "LP", 320 x240 pixels, at 15 frames per second.

Making a FLV movie file with a normal video camera and software.

1. **Capture movie from video camera** and save as an avi file example "mymovie.avi. Using Dv compression is fine with a standard 4:3 format size of 720 pixels x 576 pixels or 16:9 format 720 pixels x 405 pixels. One free capture software that is available to download from the internet is Virtual Dub www.virtualdub.com.
2. **Convert video avi file to a FLV movie file.**
To do this task a FLV encoder/converter is needed. There are various free FLV converters to be found on the internet.
Two that are free to download and use are "Riva FLV Encoder" ["http://www.rivavax.com/index.php?downloads0&L=3"](http://www.rivavax.com/index.php?downloads0&L=3) and "DigitalVideo Converter" <http://www.protectedsoft.com/download.php> when installing DigitalVideo Converter software only install the package "DigitalVideo Converter" do not install any of the extra demo software offered by this installer.
3. **FLV specifications:** Maximum file data size is 10MB. Format size 400 pixels x 300 pixels or 480 pixels x 270 pixels. This will allow for a movie length between 2 to 3 minutes depending on the subject matter. Any movie larger than 10MB can not be accepted. If the format is different to above indicated sizes the quality of your movie will decrease when it's reconverted to the above sizes.
4. **FLV conversion settings when using DigitalVideo Converter"** <http://www.protectedsoft.com/download.php>. Using This example is only meant as a starting point. Experimentation is recommended with the "video bit rate" and the "frame rate" to achieve the best quality movie with a data size less than 10MB. 15 frames per second is sufficient for internet delivery.
 - A: save as FLV
 - B: file width 400
 - C: file height 300
 - D: film rate 15, 12.5 is possible if you have a longer movie.
 - E: audio bit rate 56000
 - F: audio channels 1 or 2
 - G: audio sample rate 22050
 - H: video bit rate 400000

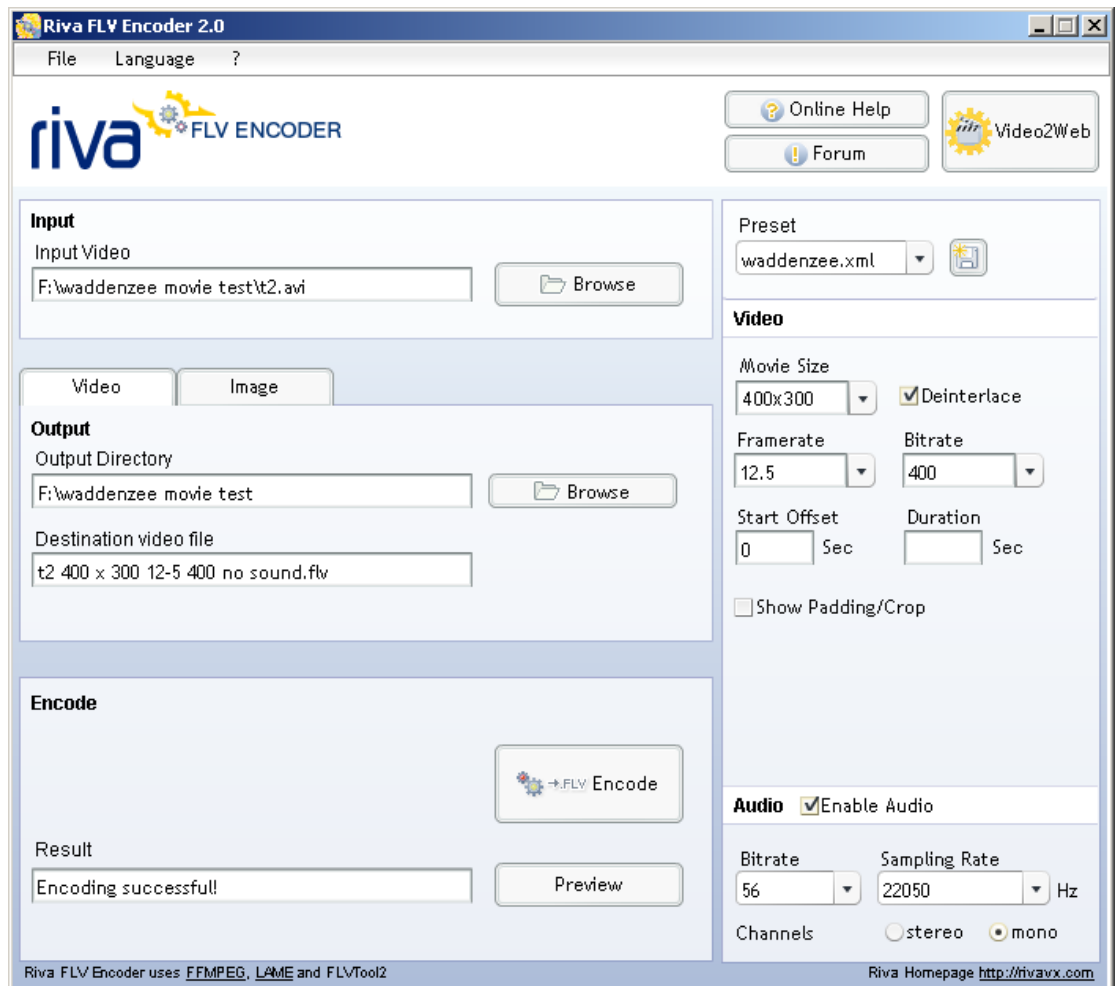
Output File:

Save as:	FLV	Audio bit rate:	56000
File Width	400	Audio channels:	1
File Height	300	Audio sample rate:	22050
Frame Rate	15	Video bit rate:	400000

5. **FLV conversion settings when using “Riva FLV Encoder”**

<http://www.rivavx.com/index.php?downloads0&L=3>.

Using This example is only meant as a starting point. Experimentation is recommended with the “video bit rate” and the “frame rate” to achieve the best quality movie with a data size less than 10MB. 15 frames per second is sufficient for internet delivery.



A: movie size 400x300
B: Deinterlace =Ja
C: framerate 15, 12.5 is possible if you have a longer movie.
D: video bit rate 400000
AUDIO
E: Bitrate 56000
F: sample rate 22050
G: mono is OK on shorter movies use stereo if total data size stays under 10MB
You can save your own preset. In the example the preset was saved as
“waddenzee”

The screenshot shows the Riva FLV Encoder settings window. At the top, there is a 'Preset' dropdown menu set to 'waddenzee.xml' with a save icon to its right. Below this is the 'Video' section, which includes a 'Movie Size' dropdown set to '400x300', a checked 'Deinterlace' checkbox, a 'Framerate' dropdown set to '12.5', and a 'Bitrate' dropdown set to '400'. There are also input fields for 'Start Offset' (set to '0') and 'Duration' (empty), both followed by 'Sec'. A 'Show Padding/Crop' checkbox is unchecked. The 'Audio' section is below, with a checked 'Enable Audio' checkbox. It includes a 'Bitrate' dropdown set to '56', a 'Sampling Rate' dropdown set to '22050' Hz, and 'Channels' radio buttons with 'mono' selected.

6. **To view FLV movies:**

Riva FLV Encoder has a player included. Another free player that is available from the Adobe website is FLV player from Liquid Studio:

http://www.adobe.com/cfusion/exchange/index.cfm?event=extensionDetail&loc=en_us&extid=1183019

Download, please beware of the above Warning notice before installing the software.