

Environmental setting 

General | CPU | Sound | Audio engine | VFAPL plug-in

General setting

- ☐ Enable multiplex with "mux://file name" for video/audio source.
- ☐ Edit bitrate by bps not kbps
- ☒ Do not use cache function by Operating system to access file.
- ☐ Open sequence files as a movie.

Canopus DV Codec setting

- ☒ Enable reading referred format AVI thorough network(always ON)
- ☐ Interpolate YUV data from 4:1:1 to 4:4:4
- ☐ Set equation for color space Basic YCbCr (Default) ▼

Folder setting

Output file: Browse

Temporary file: Browse

OK Cancel

Environmental setting 

General CPU Sound Audio engine VFAPL plug-in

CPU setting

- ☒ Enable MMX logical processors
- ☒ Enable MMX-2
- ☒ Enable SSE
- ☒ Enable SSE-2
- ☐ Enable 3D Now!
- ☒ Use Hyper-Threading Technology (multi-thread)

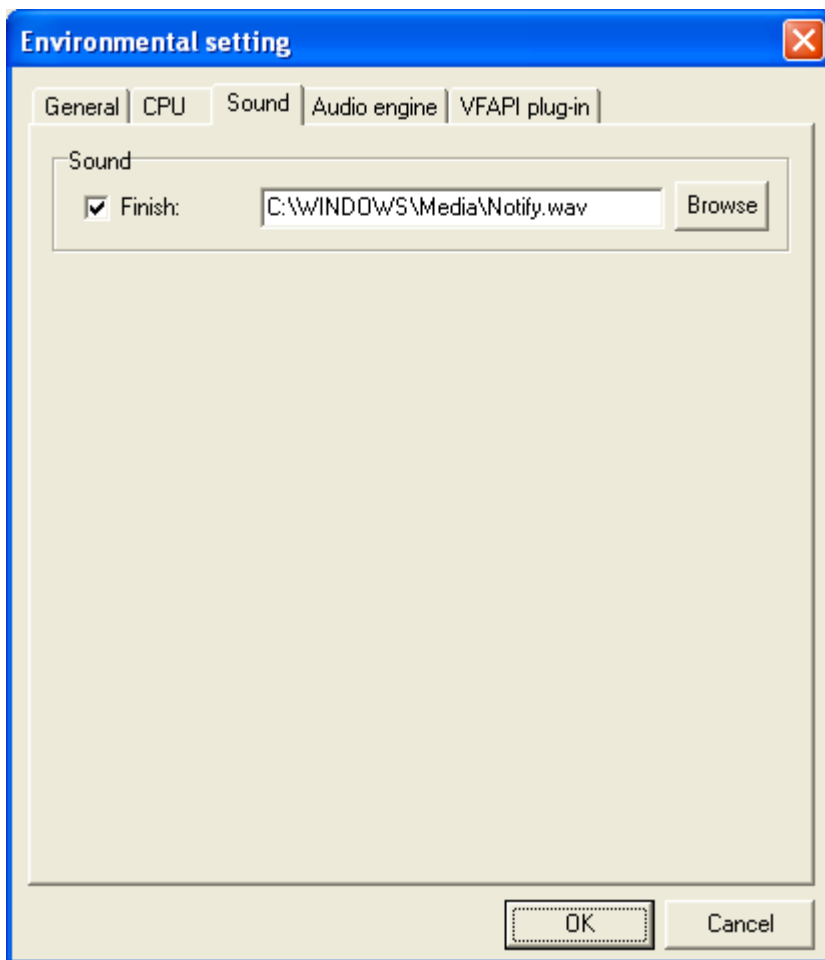
Multi-thread setting

- ☒ Enable pipeline
- ☒ Enables pipeline for Motion search.
- ☒ Prefetch Video MB ☒ Check free space

Cache Setting

- ☐ Saves analyzing result of multi pass VBR to cache.
- Creates cache up to MB.

OK Cancel



Environmental setting 

General | CPU | Sound | **Audio engine** | VFAPL plug-in

MPEG-1 Audio Layer II encoder

☒ Use built-in engine

☐ External program  

MPEG-1 Audio Layer III encoder

☒ Do not use

☐ External program  

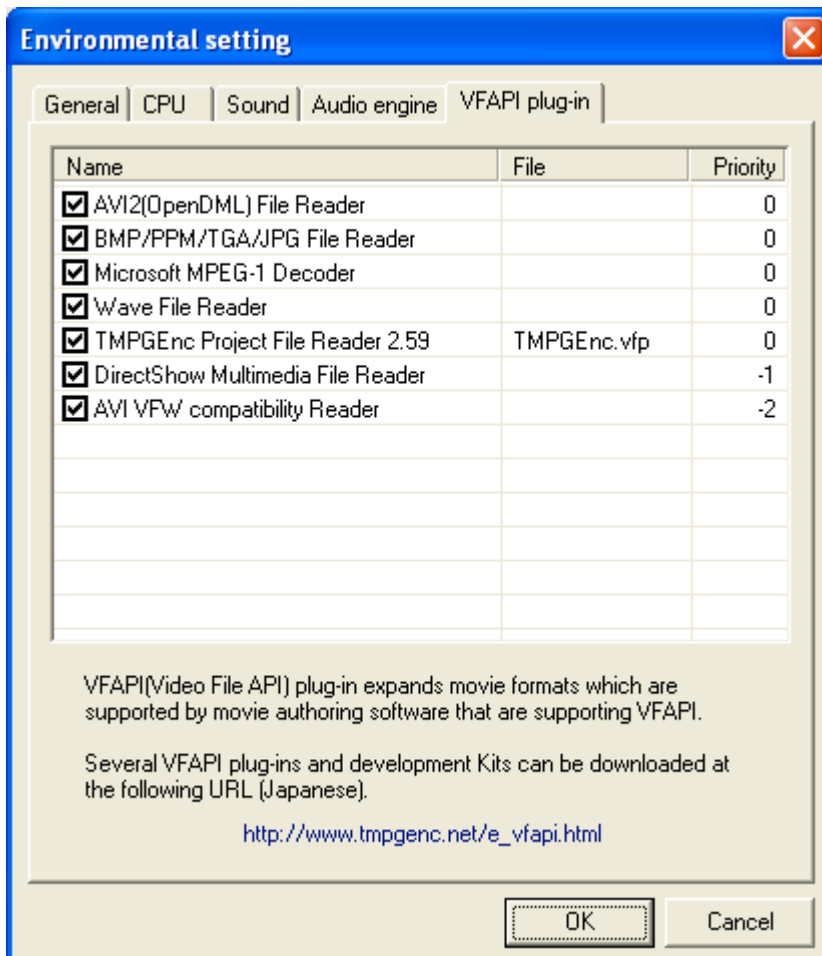
Sampling frequency convertor

☒ Low quality (high speed)

☐ High quality (low speed)

☐ External program  



Project Wizard (1/5)

Select format

Selects MPEG file format you create.

Video-CD

NTSC

NTSC Film

PAL

Super Video-CD

NTSC

NTSC Film

PAL

DVD

NTSC

NTSC (Low resolution)

NTSC (16:9)

PAL

PAL (Low resolution)

PAL (16:9)

DVD for NTSC 4:3 (North America and Japan)

High Quality Video Standard

Consists from MPEG-2 file, 720x480/352x480, 29.97fps. Can be played with various hardware/software DVD players.

NTSC specification used in North America and Japan.

If authored with MP2 audio, movie can be recorded up to 235 min onto standard 4.7GB DVD-R.

If the audio is converted to PCM with authoring software, movie can be recorded up to 155 min onto standard 4.7GB DVD-R.

CBR MPEG-1 Layer II Audio (MP2)

☒ Enable this Wizard at start up

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Next >

Cancel

Project Wizard (2/5)

Select source file

Selects source file to convert to MPEG.

Video File:

E:\Aran.06-06-15_10-48.00.avi

Browse...

Audio File:

E:\Aran.06-06-15_10-48.00.avi

Browse...

* file can be drag_drop into this window.

Expert Setting for Source

Video type:

Interlace

Field order:

Bottom field first (field B)

Aspect ratio:

4:3 525 line (NTSC, 704x480)

Content of video:

Video movie

?

☒ Enable this Wizard at start up

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Next >

Cancel

MPEG Setting

Video

Advanced

GOP structure

Quantize matrix

Audio

System

Video stream setting

Stream type:

MPEG-2 Video

Size:

720

x

480

pixels

Aspect ratio:

4:3 Display

Frame rate:

29.97 fps

Setting

Rate control mode:

Constant bitrate (CBR)

Setting

Bitrate:

7998

kbits/sec

VBV buffer size:

224

KB

Profile & Level:

Main Profile & Main Level (MP@ML)

Video format:

NTSC

Encode mode:

Interlace

YUV format:

4:2:0

DC component precision:

9 bits

Motion search precision:

Motion estimate search (fast)

OK

Cancel

MPEG Setting ✕

Video | **Advanced** | GOP structure | Quantize matrix | Audio | System

Video source setting

Video source type: Interlace ▾

Field order: Bottom field first (field B) ▾

Source aspect ratio: 4:3 525 line (NTSC, 704x480) ▾

Video arrange Method: Full screen ▾

320 ▾ x 240 ▾ pixels

- ☒ Source range
- ☐ Inverse telecine (Convert to 24 fps : Flicker prioritized)
- ☐ Ghost reduction
- ☐ Noise reduction
- ☐ Sharpen edge
- ☐ Simple color correction
- ☐ Custom color correction
- ☐ Deinterlace (None)
- ☐ Clip frame
- ☐ 3:2 pulldown
- ☐ Do not frame rate conversion

Double click on filter name to display filter setting window.

OK Cancel

MPEG Setting

Video

Advanced

GOP structure

Quantize matrix

Audio

System

GOP structure

IBBPBBPBBPBBPBBP

Number of I picture in GOP:

1

Number of P picture in GOP:

5

Number of B picture in GOP:

2

Output interval of sequence header:

1

GOP

MAX number of frames in a GOP:

18

☒ Output bitstream for edit (Closed GOP)

☒ Detect Scene change

☐ Force picture type setting

setting

I picture only

I,P picture only

Standard

OK

Cancel

MPEG Setting

Video

Advanced

Quantize matrix

Audio

System

Quantize matrix

For intrablock:

8	16	19	22	26	27	29	34
16	16	22	24	27	29	34	37
19	22	26	27	29	34	34	38
22	22	26	27	29	34	37	40
22	26	27	29	32	35	40	48
26	27	29	32	35	40	48	58
26	27	29	34	38	46	56	69
27	29	35	38	46	56	69	83

For non-intrablock:

16	17	18	19	20	21	22	23
17	18	19	20	21	22	23	24
18	19	20	21	22	23	24	25
19	20	21	22	23	24	26	27
20	21	22	23	25	26	27	28
21	22	23	24	26	27	28	30
22	23	24	26	27	28	30	31
23	24	25	27	28	30	31	33

Default

Save

Delete

Special setting

☐ Output YUV data as Basic YCbCr not CCIR601

☒ Use floating point DCT (While using SSE, always ON)

☒ No motion search for still picture part by half pixel

☐ Soften block noise

Intra block:

35

Non-intra block:

35

OK

Cancel

MPEG Setting

Video

Advanced

GOP structure

Quantize matrix

Audio

System

Audio stream setting

Stream type:

MPEG-1 Audio Layer II

Sampling frequency:

48000

Hz

Channel mode:

Stereo

Bitrate:

384

kbits/sec

☒ Error protection

☐ Original flag

☐ Copyright flag

☐ Private flag

De-emphasis flag:

None

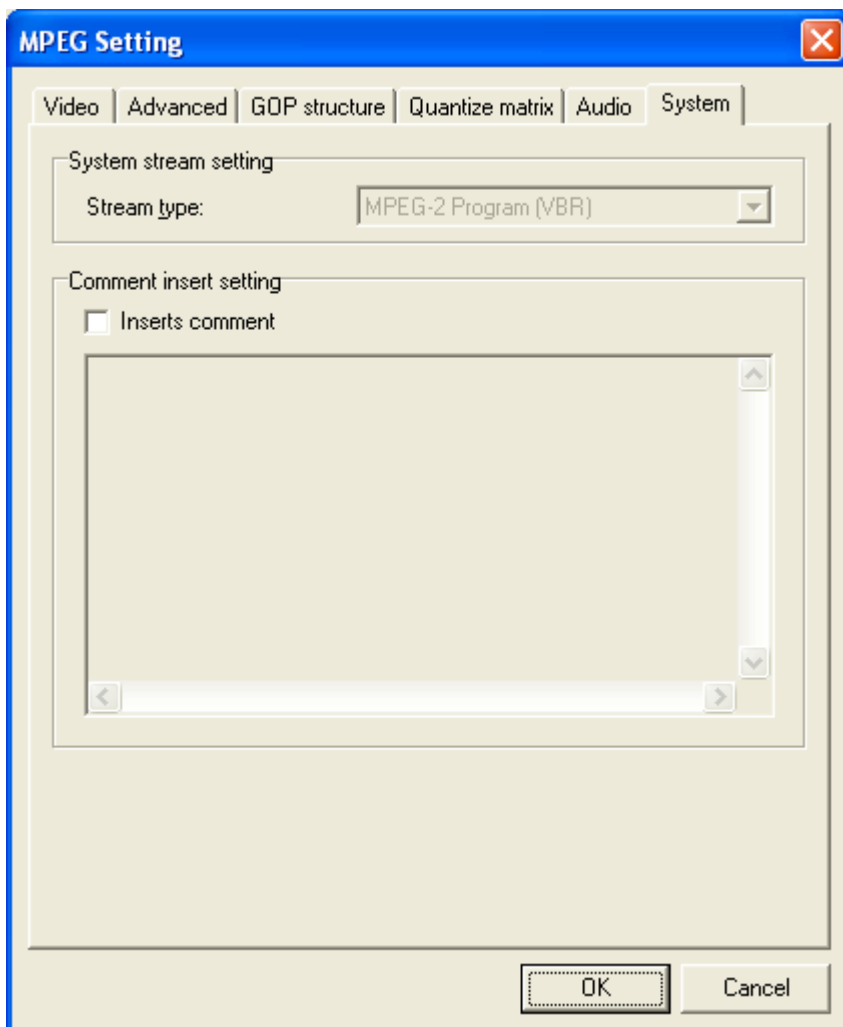
Audio Edit

☐ Use Audio Edit

Setting

OK

Cancel



Project Wizard (4/5)

Bitrate setting

Specifies bitrate of MPEG file you create.

Movie info:

720x480 29.97 fps / 48000 Hz Stereo / 13 min 41 sec

Video resolution:

720 x 480

pixel

☒ Auto select

Average video bitrate:

7998

kbits/sec

☒ Auto setting

Audio bitrate:

384

kbits/sec

Estimated file size:

834.07

MB

Expert

DVD-R 4.7GB (UDF)

Makes file size

19.86

% of disk capacity.

0MB

500MB

1000MB

1500MB

2000MB

2500MB

3000MB

3500MB

4000MB

4500MB

☒ Enable this Wizard at start up

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Next >

Cancel

Project Wizard (5/5)

Specifying output file name

Specifies MPEG file name, then starts encoding.

Output file:

E:\Aran.06-06-15_10-48.00.mpg

Browse...

☐ Output video and audio as individual elementary streams

☒ Start encoding immediately

☐ Create another project(s) for batch encoding.

☒ Enable this Wizard at start up

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OK

Cancel

