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[Home](#)

[Awards](#)

[About Us](#)

[Contact Us](#)

[Video Editing](#)

[Product Video](#)

[Training Video](#)

[Corporate Video](#)

[Induction Video](#)

[Seminar Video](#)

[Events Video](#)

[DVD Authoring](#)

[DVD Duplication](#)

[Video to DVD](#)

[Video Capture](#)

[Film to DVD](#)

[Video Dubbing](#)

[EDIUS Sales](#)

[Used Equipment](#)

[Web Design](#)

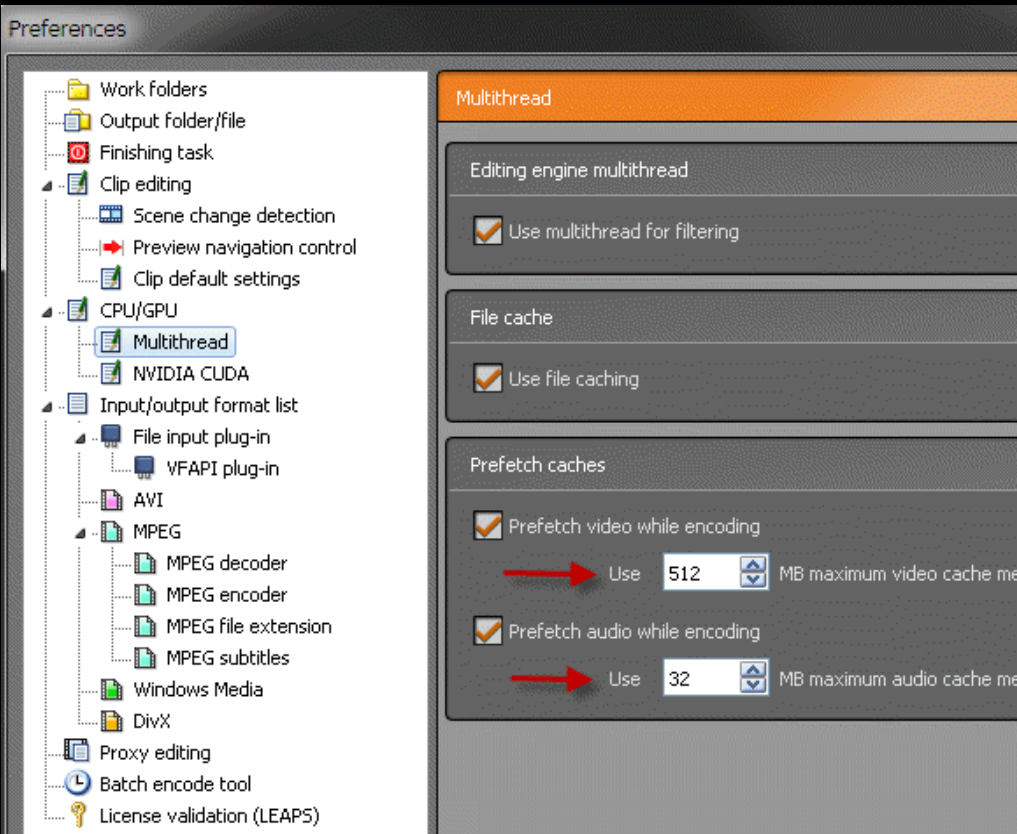
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[Stock Footage](#)

[Useful Links](#)

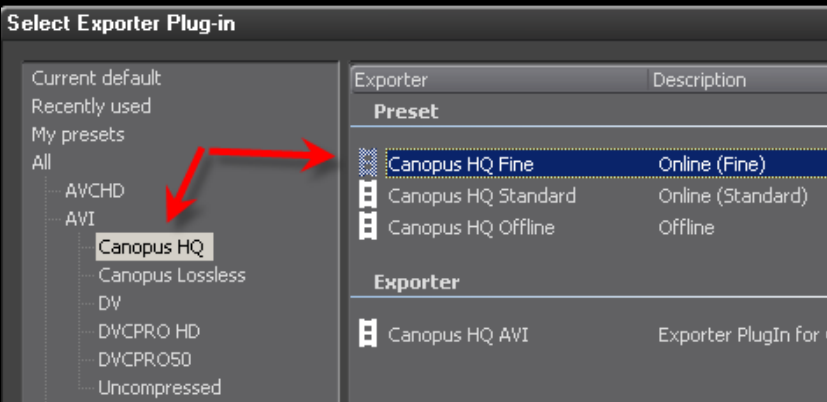
Using TmpegEnc Video Mastering Works 5 for downscaling EDIUS HD to PAL SD or NTSC SD with superb results, no downscaling artifacts, ideal for DVD production.

Make the following prefetch cache settings for further improvement

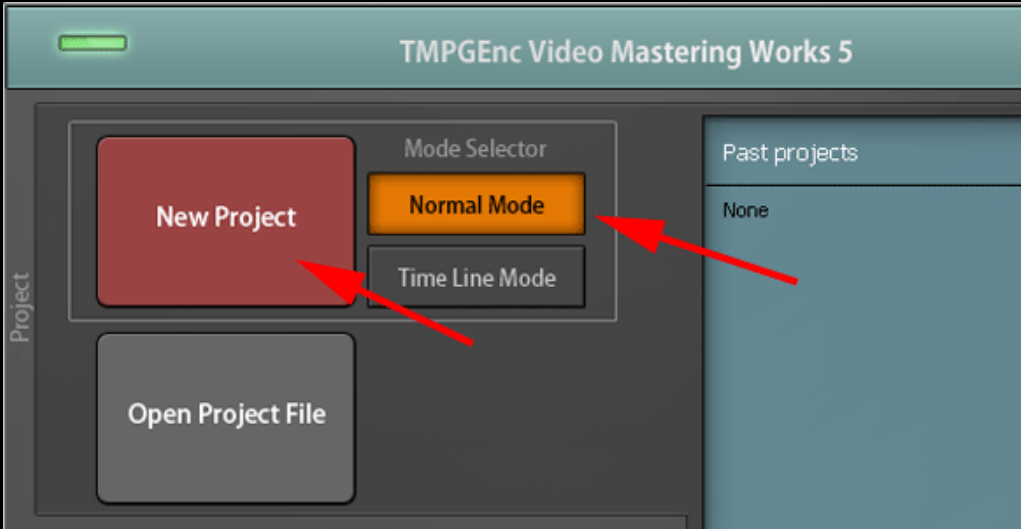


Now you are ready to get started

1. Export your EDIUS timeline to Canopus HQ Fine Quality or Canopus Lossless. Be sure Edius project setting is set to Standard Color space conversion.



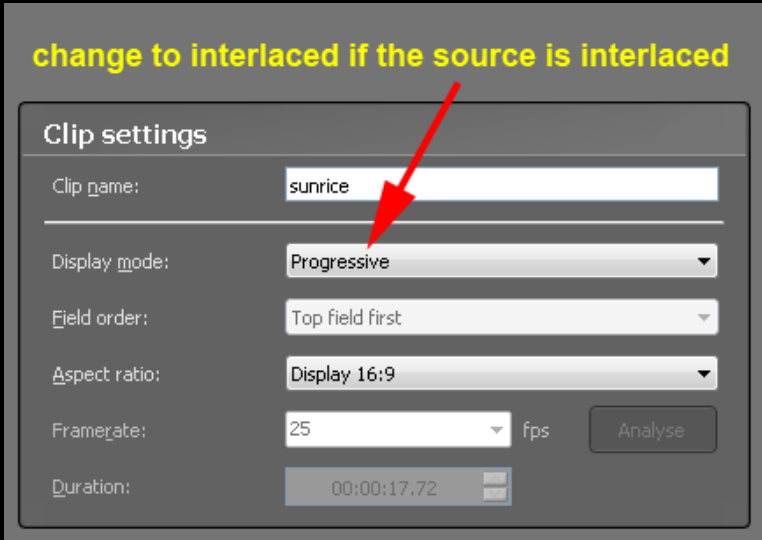
2. Start Mastering Works 5 and start a new project in Normal Mode



3. Click Add File and browse for the Canopus HQ



4. Sometimes the field order is not detected correctly, make sure you set it to interlaced if the source is interlaced, otherwise leave it on progressive



5. Click Filters

The screenshot shows the 'Video' menu with the following options: Audio denoise, Volume adjustment, Picture resize (highlighted in orange with a red arrow), and Speed. To the right of the menu is a preview window displaying '0/26207 00:00' and '1280x720 50 fps'. Below the preview window is a 'Picture position' slider and a checkbox labeled 'Enable Picture resize' which is checked.

0/442 00:00:00.00  
1440x1080 25 fps

Enable Picture resize

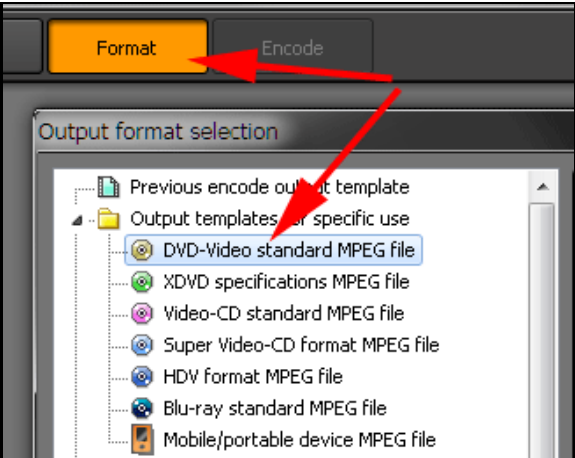
Picture position: Full screen ☒ Keep aspect ratio

320 x 240 pixel

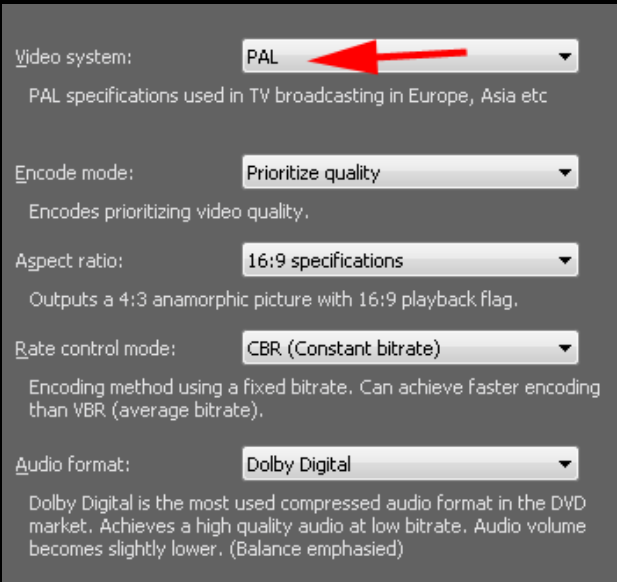
Resize method: Lanczos-3

☒ Output interlace with high quality resize

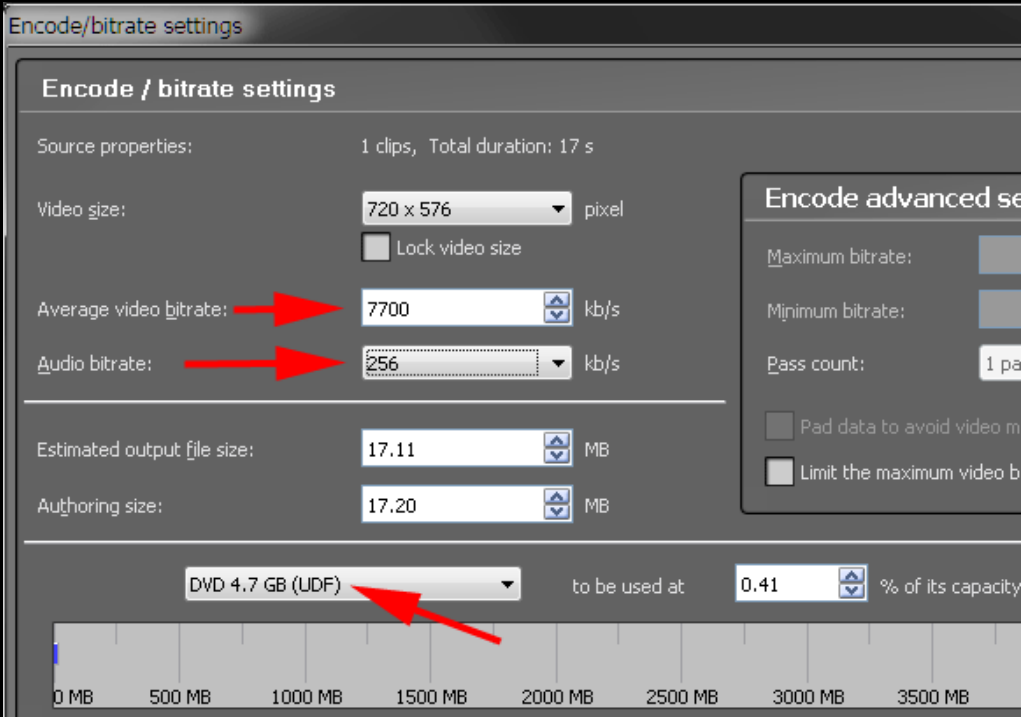
<http://www.videoproductions.com.au/html/t5-hd-sd.html>[28/7/2013 9:04:43 PM]



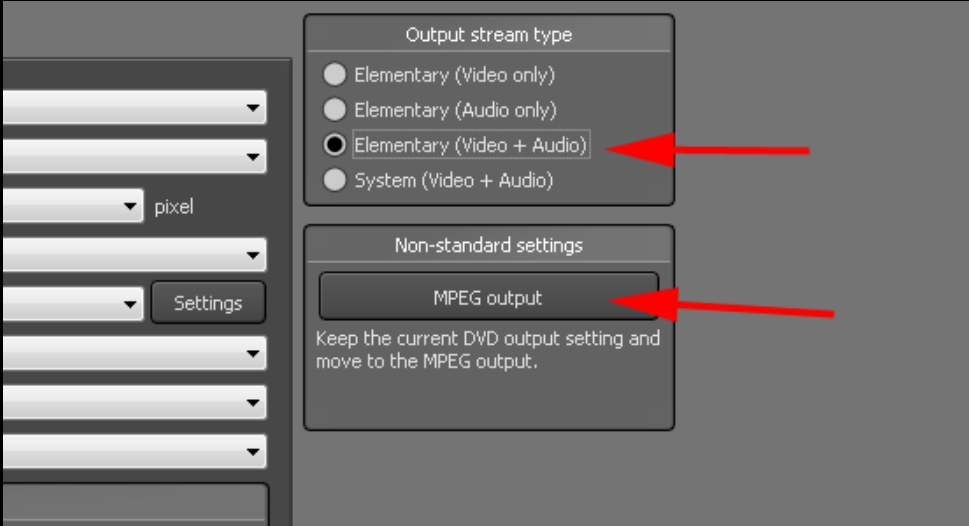
8. Choose your Video System, use CBR for short programs, VBR for long ones with 90min or more duration when using single layer DVD



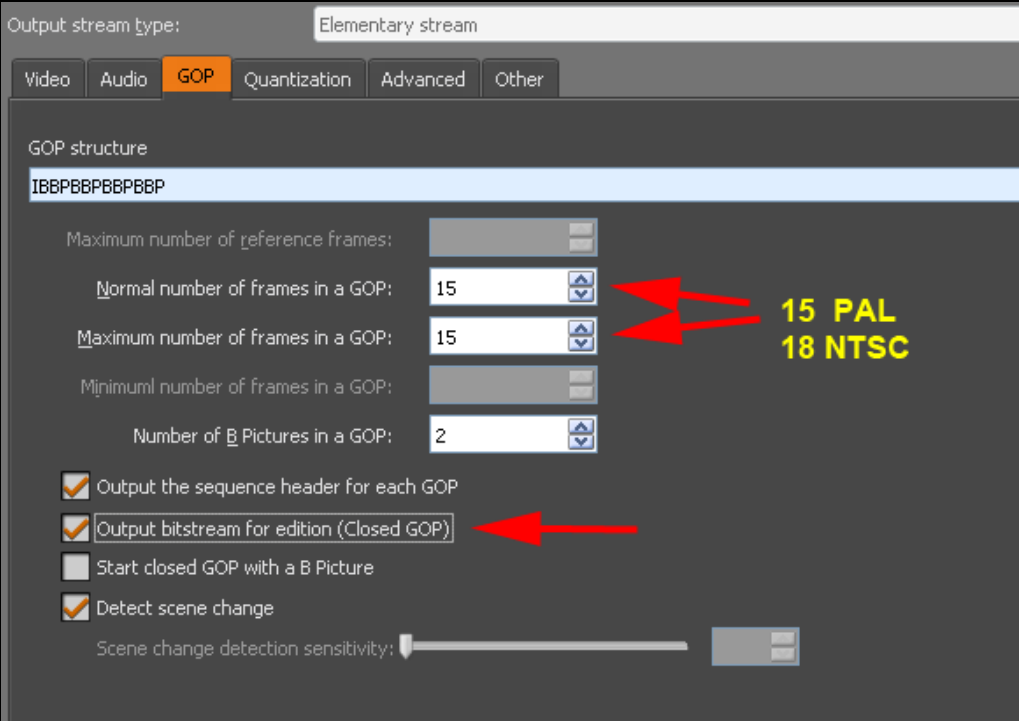
9. set video bitrate to 7700 maximum and set audio to 256



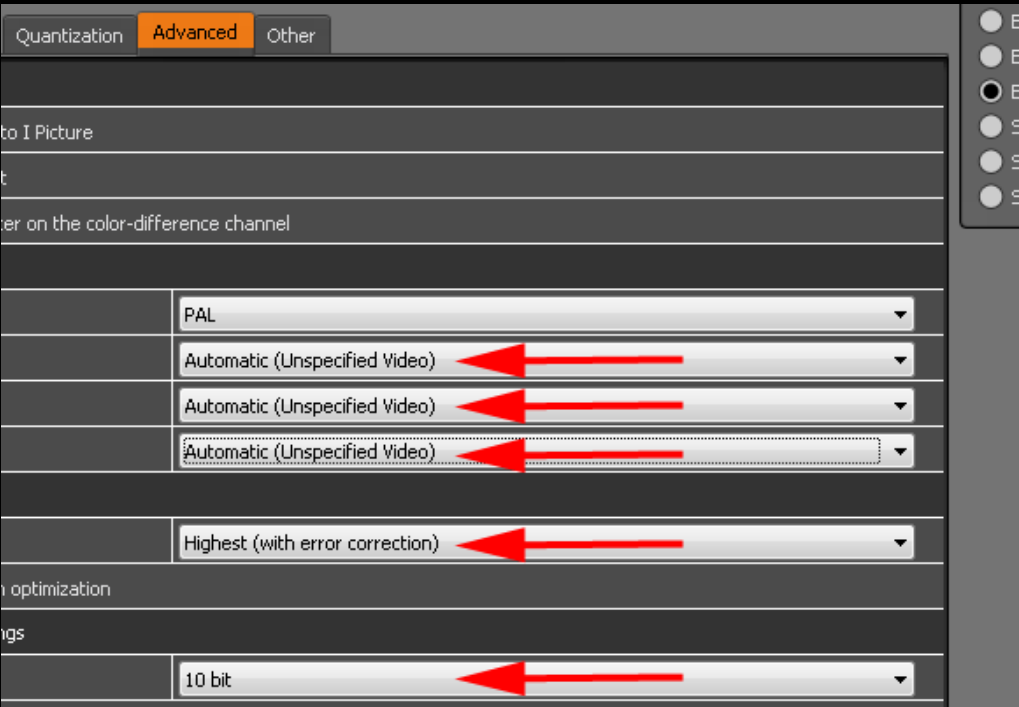
10. Choose Elementary Video and Audio (in most cases) and then unlock the template with MPEG output button



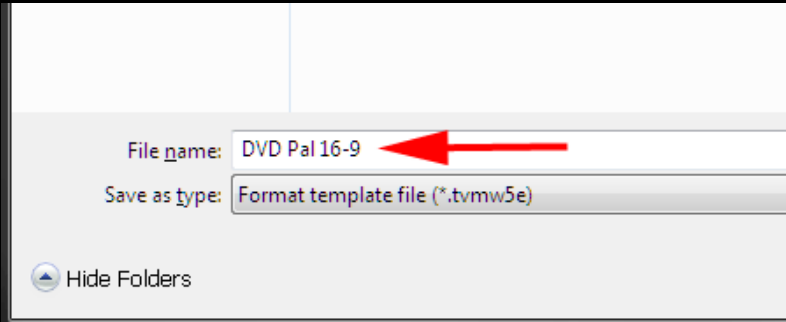
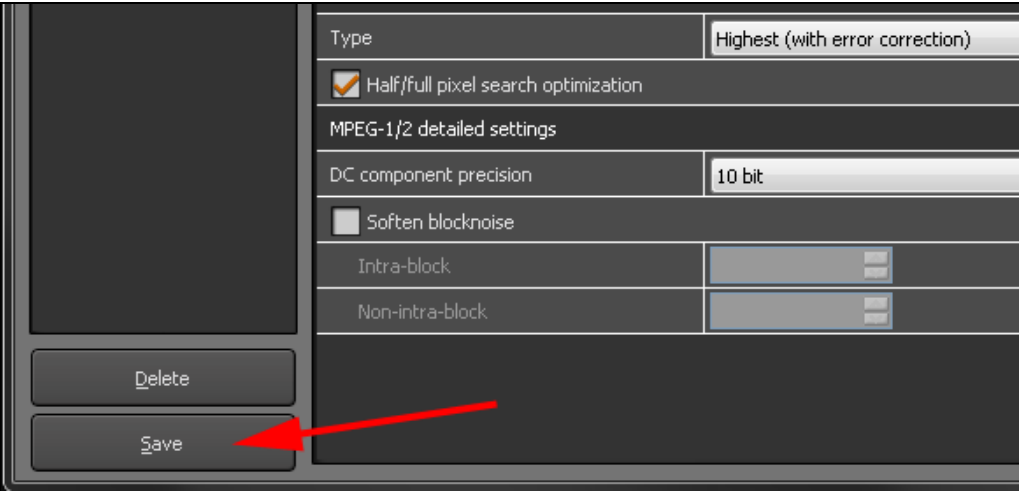
11. Close the GOP and set the number of frames



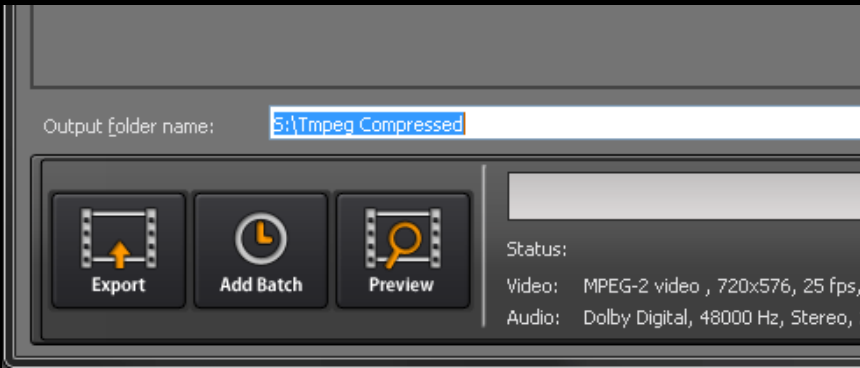
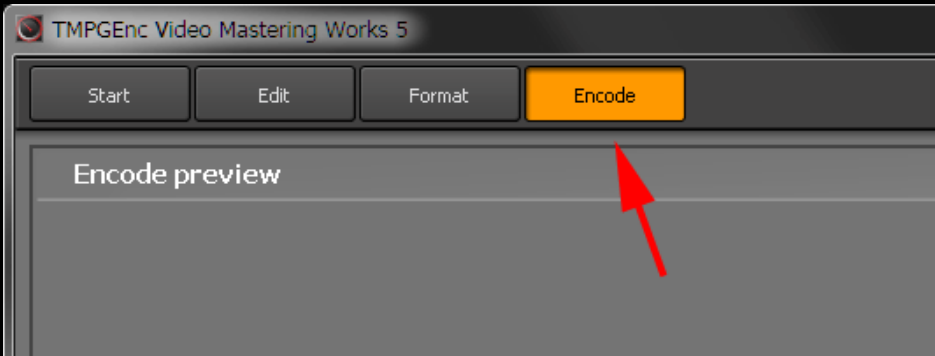
12. In Advanced, set as below



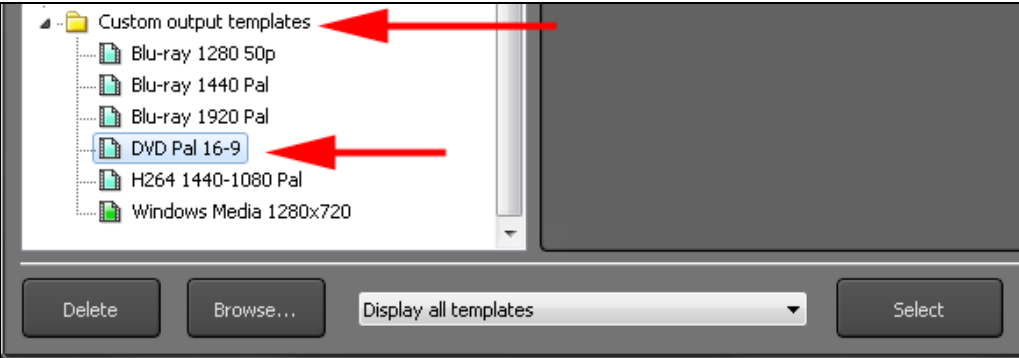
13. Save the Template and type a suitable name



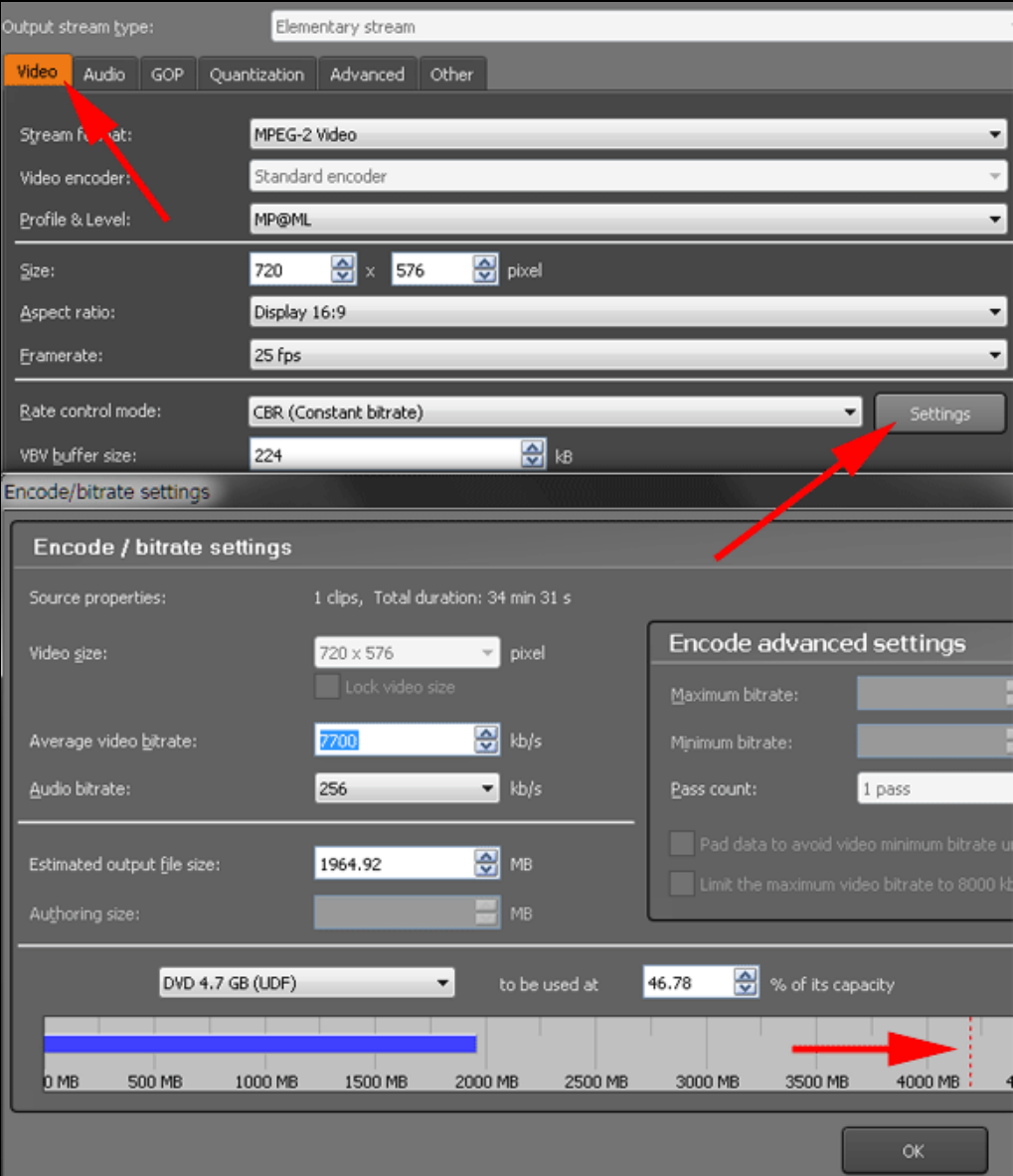
14. Click Encode and choose Export or Batch Export in case you want to encode more files



15. Next time you need to do a DVD, use the custom template and all you need to do is adjust the bitrate if needed in order to fit the content on the single layer or dual layer DVD.



16. The size indicator gives a clear picture of how full the disk will be as you adjust the bitrate, make sure you allow some overhead for the menu if needed.

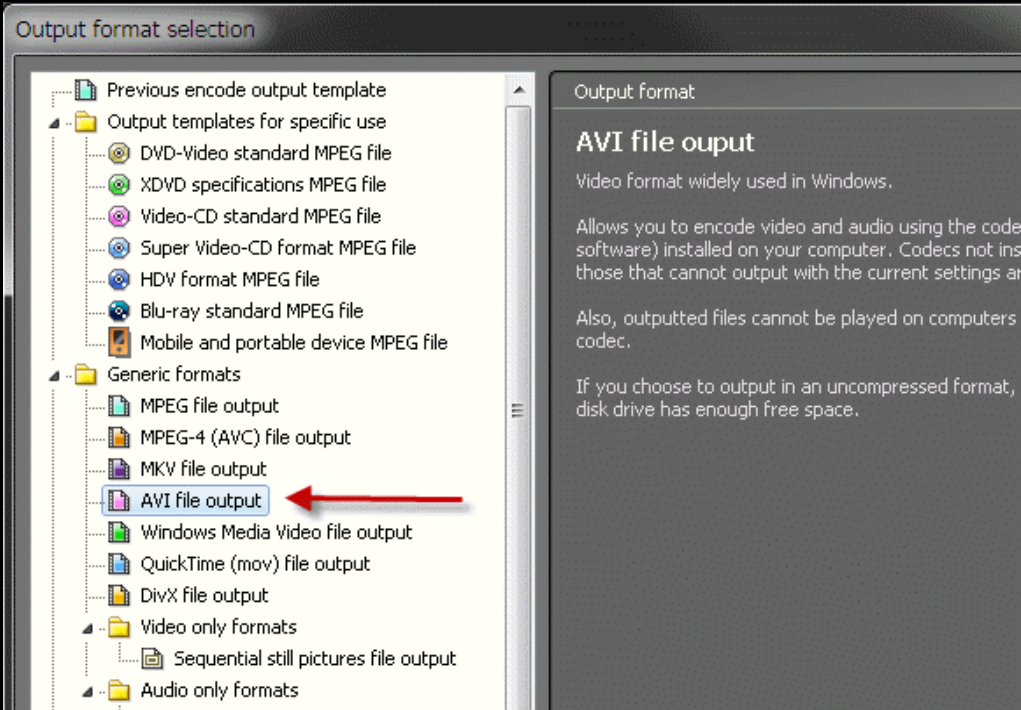


This completes downscale and output to DVD compliant files

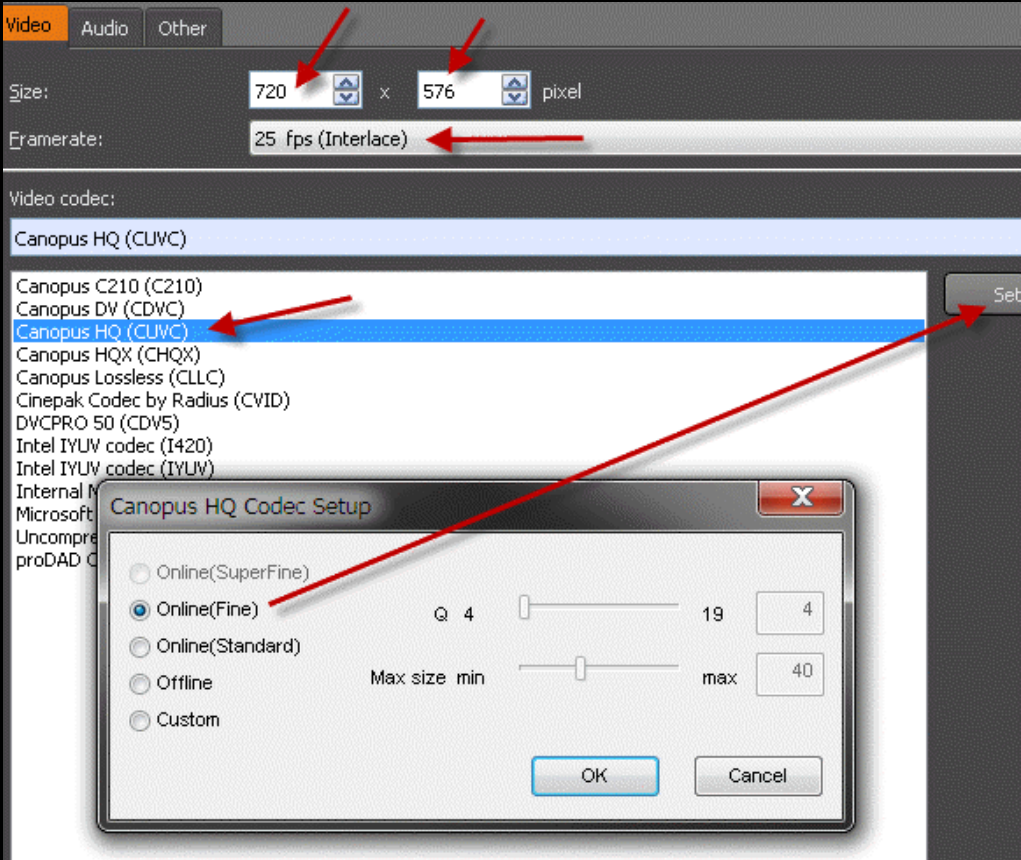
**Optional output**

17. Choose AVI file output

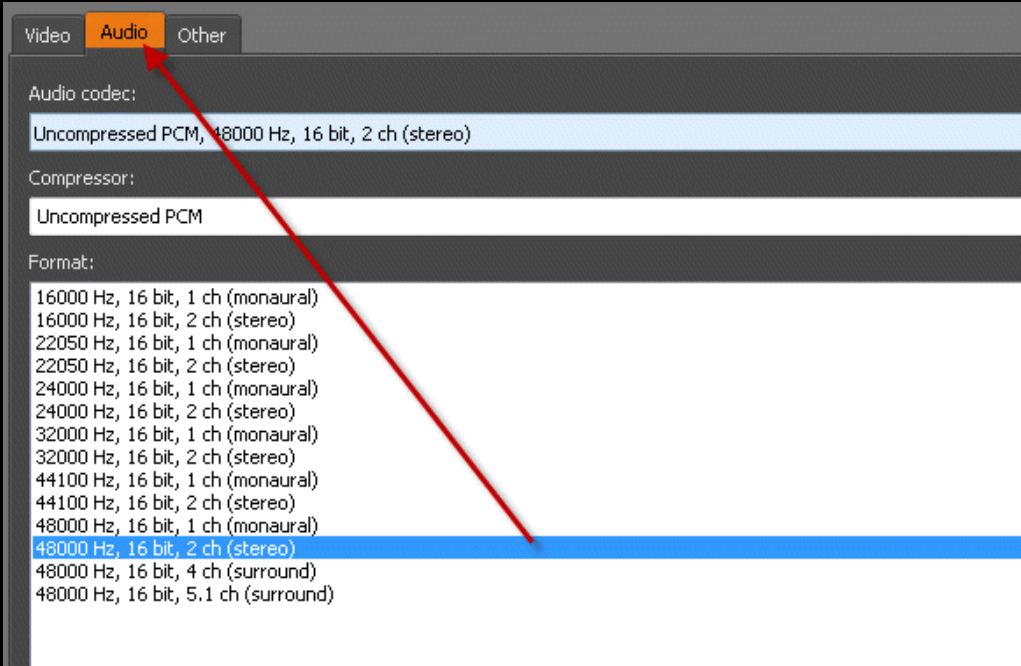




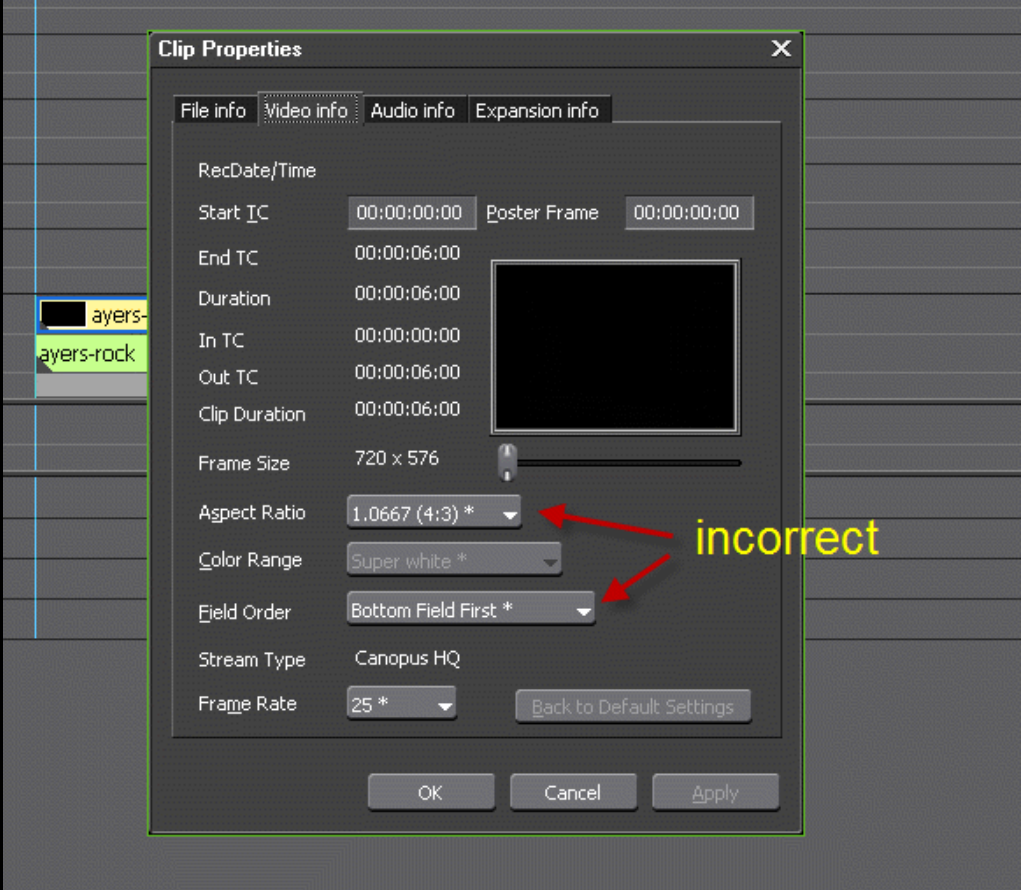
18. Type the desired width and height, and choose progressive or interlaced depending on your source, choose Canopus HQ and set quality to Online Fine



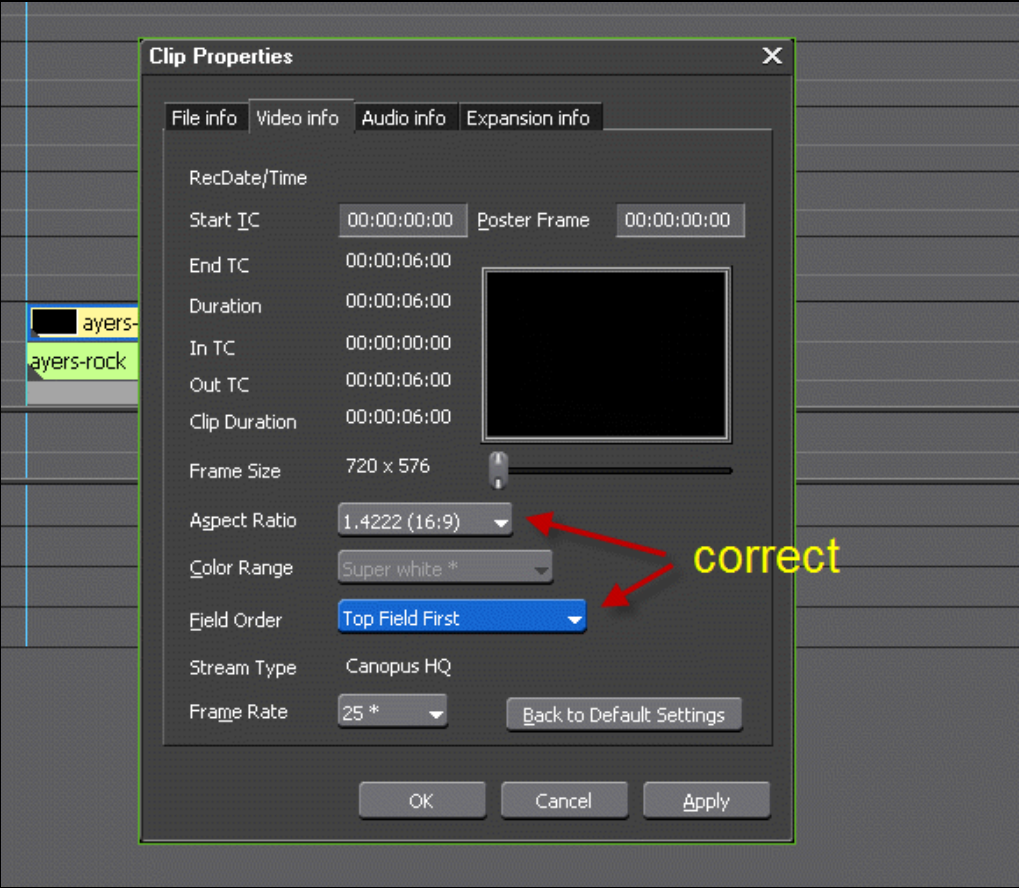
19. make sure audio is set to 48000 Hz



20. Start a new EDIUS SD interlaced or progressive 16:9 project depending on your source file, right click the file and notice that aspect and field order are incorrect, in case of interlaced file. (Note that Edius disk burner will be unavailable when working in progressive projects)



21. Correct field order (if file is interlaced) and aspect ratio



[Download my Pal 720x576 16:9 DVD Template](#)  
(place in Documents/TmpegEnc/...Mastering Works 5/Template/Export folder)

[Download my Pal Blu-ray 1920x1080 Interlaced Template](#)  
(place in Documents/TmpegEnc/...Mastering Works 5/Template/Export folder)

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