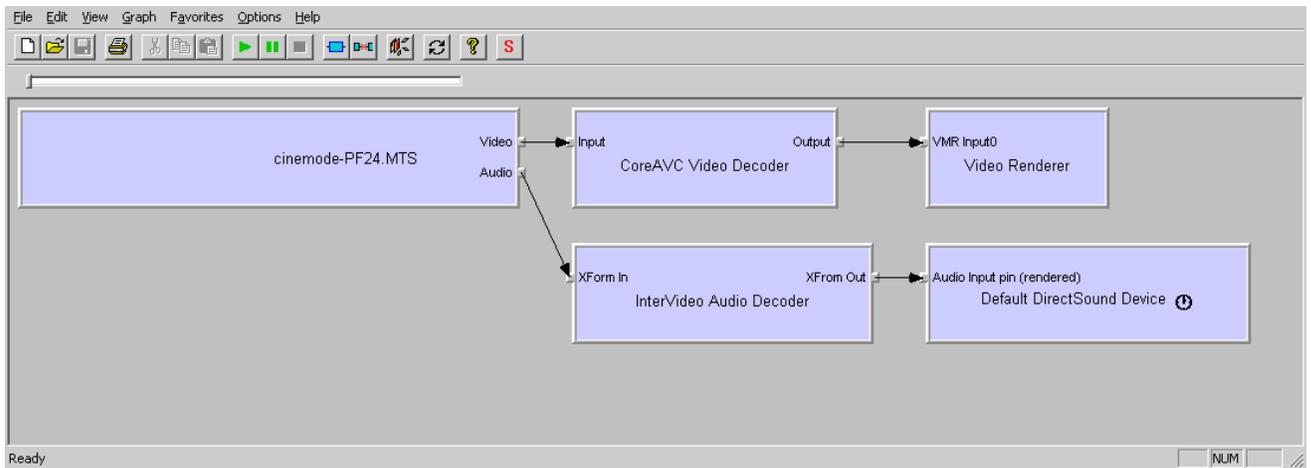
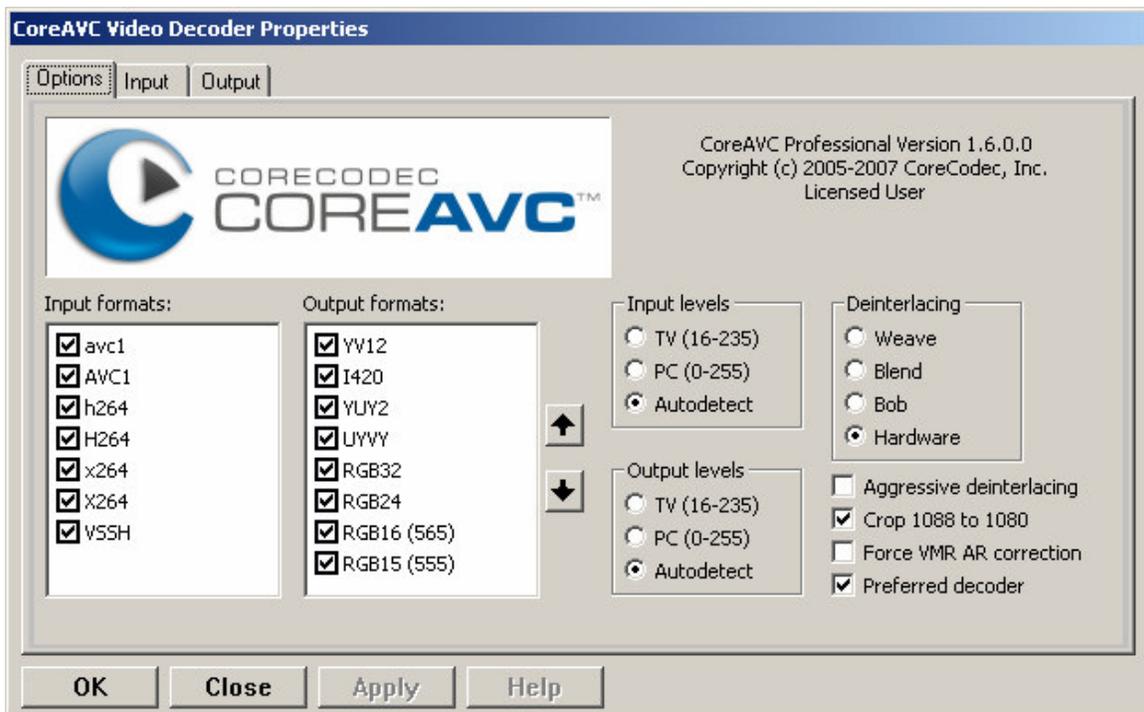


Guide to Encoding WMV files from Canon HG10 24p MTS/M2TS files with Windows Media Encoder

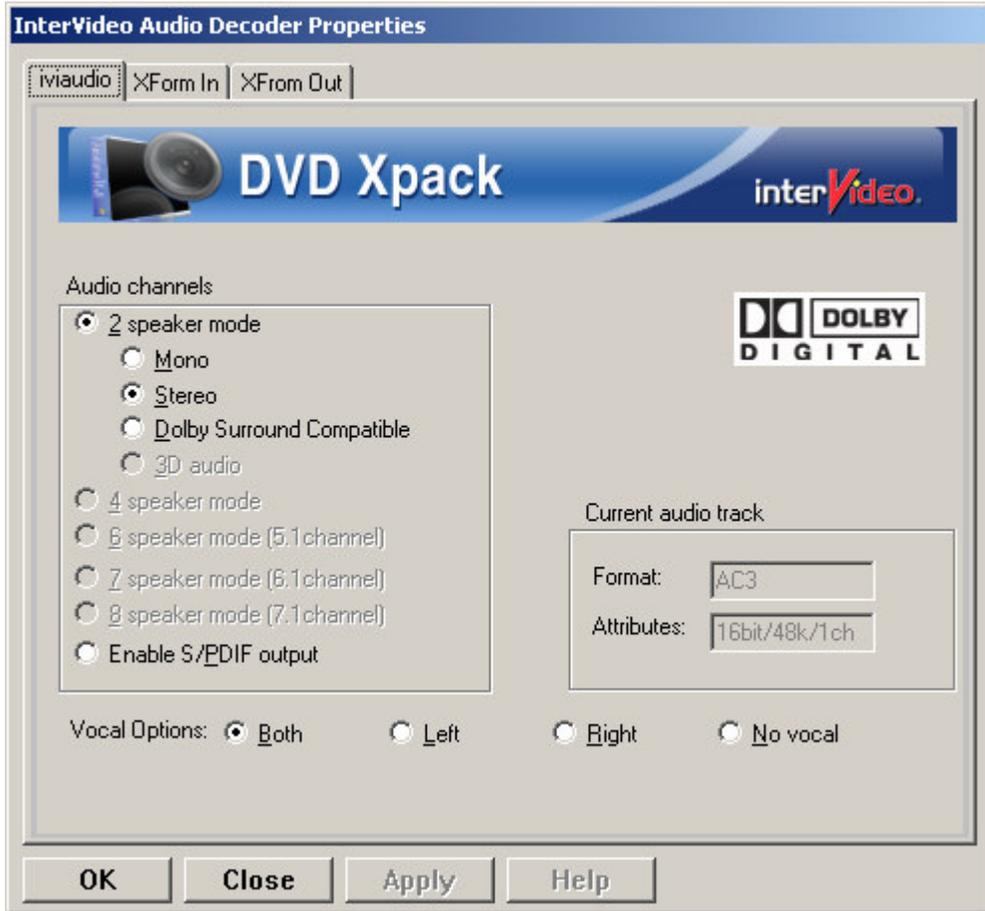
1. After installing CoreAVC, drag the MTS/M2TS file into GraphEdit and check that it is using CoreAVC for Video Decoder and InterVideo (installed with Corel Apps CD that comes with the HG10) as the Audio Decoder. (If not as below, use DSFMgr.exe to change the merit of Decoder shown till you get it like below)



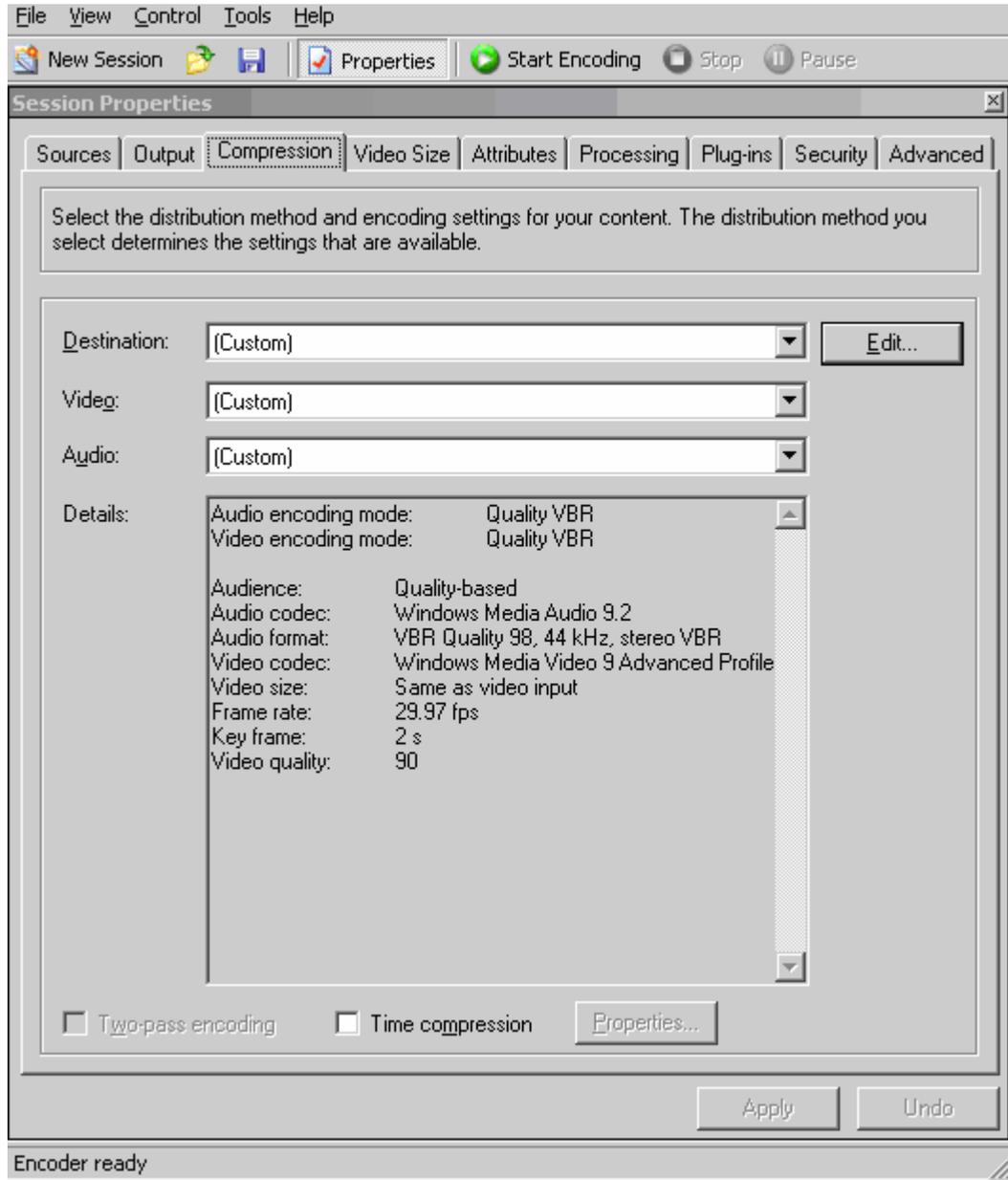
2. CoreAVC settings are as below (“No Deinterlacing” option is not available with v 1.6 so used Hardware instead)

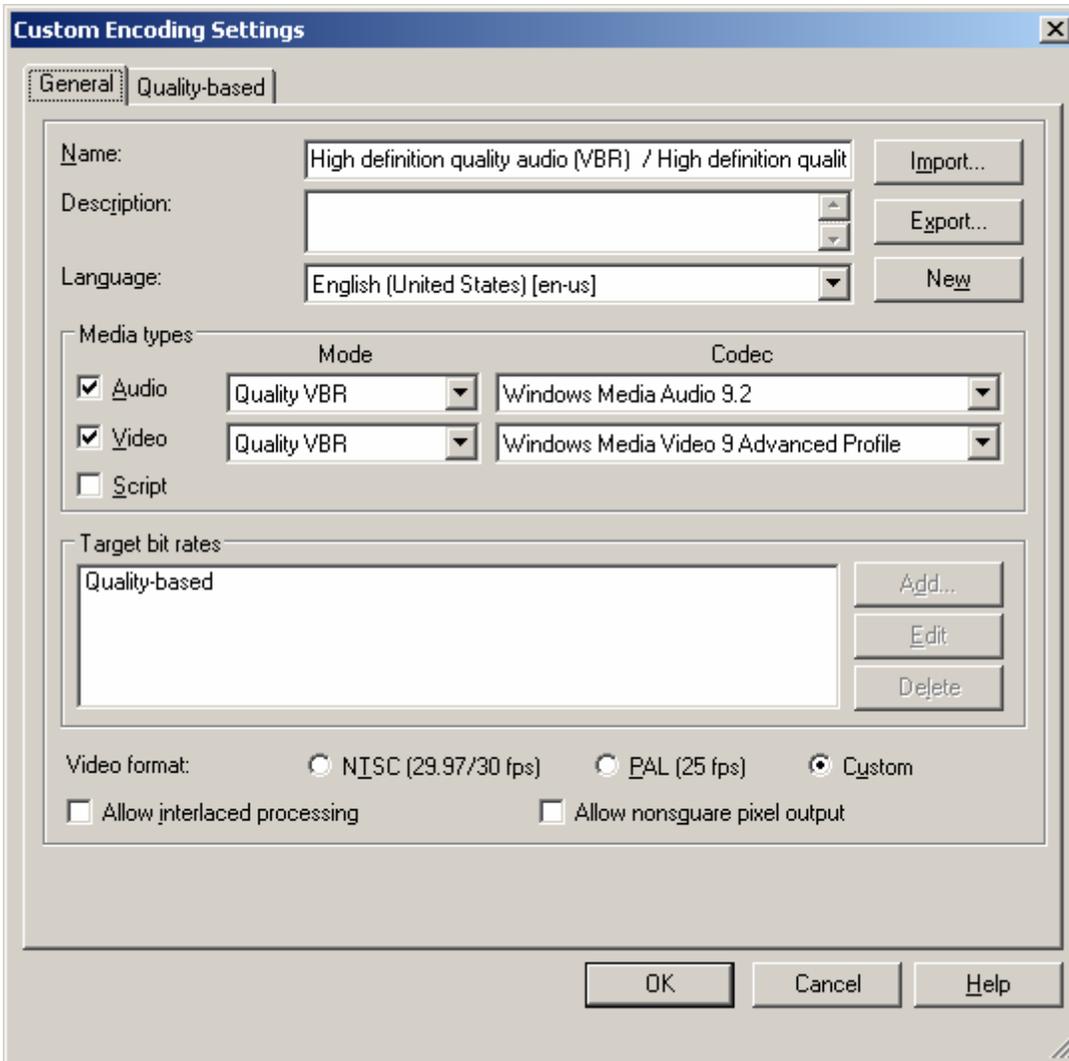


3. InterVideo Audio Decoder settings (Default)



4. In Windows Media Encoder start a new session of “Convert a File” type, on the Compression tap make the following settings -





Custom Encoding Settings

General Quality-based

Audio format: VBR Quality 98, 44 kHz, stereo VBR

Video size: Same as video input

Frame rate: 29.97 fps

Key frame interval: 2 sec

Video quality: 90 (0 to 100)

Script bit rate: bps

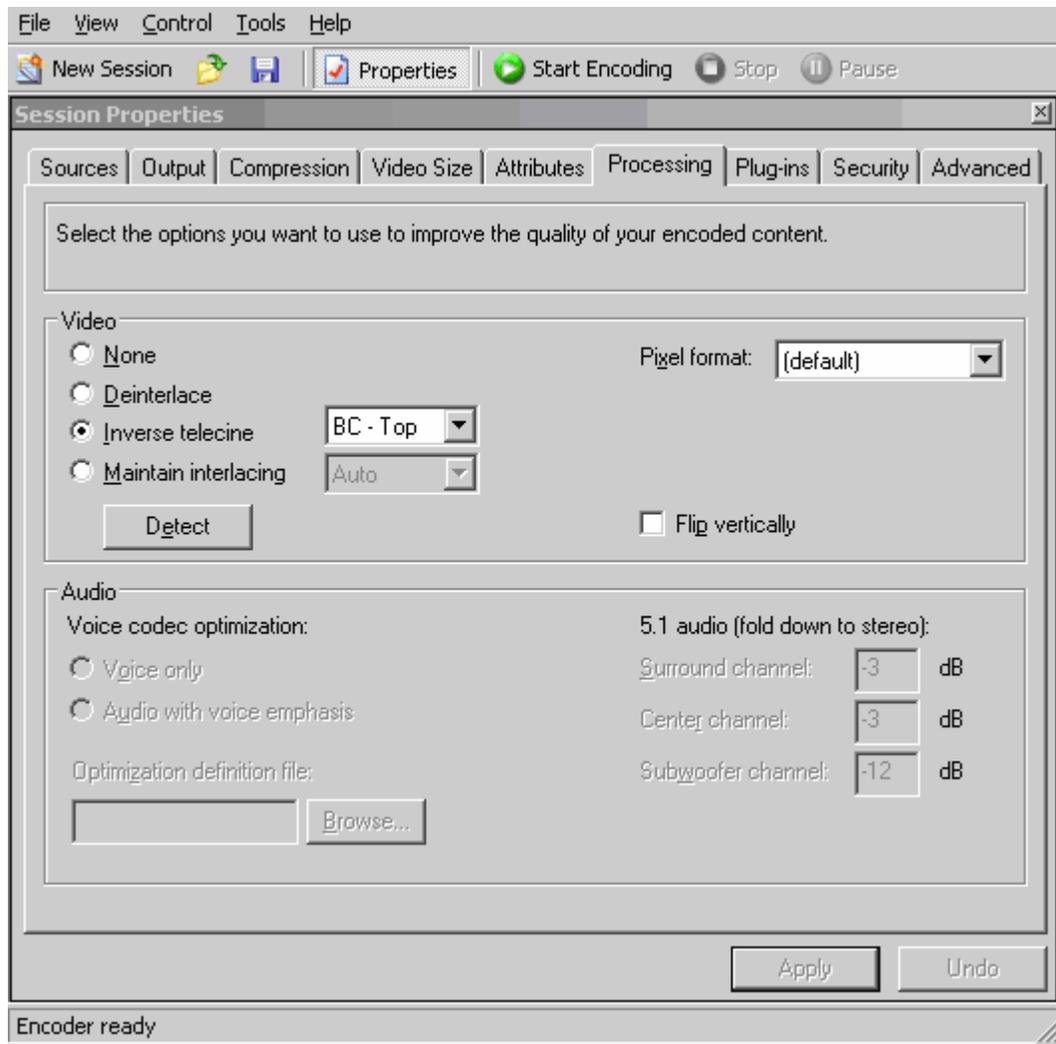
Total: Quality-based

Video bit rate: Quality-based Audio bit rate: Quality-based

Script bit rate: Overhead: Quality-based

OK Cancel Help

5. In the Processing Tab, select an IVTC method. In this file's case the "BC-Top" method turned out to be the correct method but the method in every file can be different. You will need to try encoding a small file (Use the "limit by duration" checkbox and set it to 3 sec) by each method to find the right one.



Session Properties [X]

Sources | **Output** | Compression | Video Size | Attributes | Processing | Plug-ins | Security | Advanced

Select how you want to distribute your encoded content. You can broadcast it, store it in a file, or both.

Push to server (the connection is initiated by the encoder)

Server name: [Server name:Port] - Port is optional

Publishing point: [Publishing point name] Auto remove

Copy settings from: [Use default publishing point settings]

Pull from encoder (the connection is initiated by the server or players)

Port number: [8080] [Find Free Port]

Encode to file

File name: [C:\00010_1_AA-Top.wmv] [Browse...]

Limit by size: [1024 KB]

Limit by duration: [00:00:03] (hh:mm:ss) Index file

Warn on low disk space: [10 bytes]

[Apply] [Undo]

How to tell which IVTC method is right? Check the 3 sec clip, if it's done with the right IVTC method there will be no combing in moving objects in the scene. If it's wrong there will be visible combing.

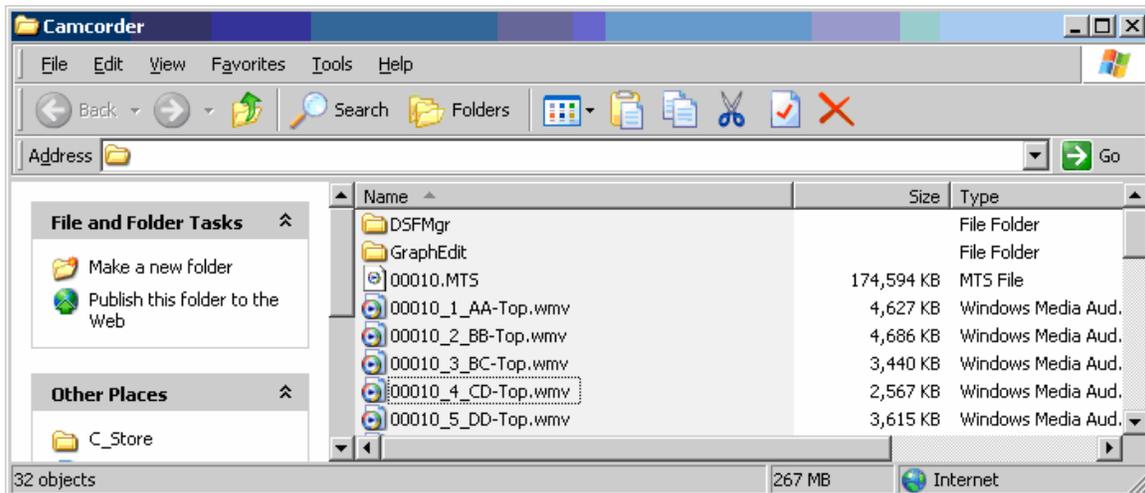
This is the wrong method –



This is the right method -



Another way to tell is the file size. If all the clips are 3 sec long the smallest one tends to be the right one. In the case below – 00010_4_CD-Top.wmv file done with the CD-Top method is the smallest.



6. Once you have found the right IVTC method remove the “limit by duration” option in the Output tab and encode the whole file.