

Using the inData DVD Extractor in TimeCoder Pro v5.2

The inData Digital Video Disc (DVD) Extractor transcodes DVD-Video to compliant MPEG-2 Program Streams.

Depending on your workflow, you can use either of the following methods to run the Extractor:

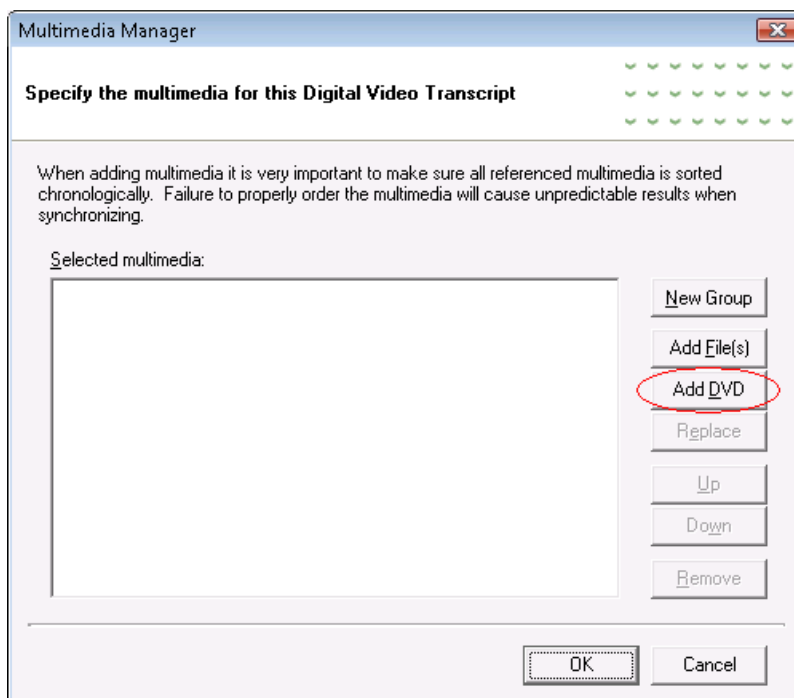
- Extract each DVD-Video as you add it to TimeCoder Pro via the Multimedia Manager
- Use the Extractor independently from TimeCoder Pro to rip multiple DVD-Video titles at once.

WARNING: Do Not Use the inData Digital Video Disc (DVD) Extractor to transcode (rip) copyright protected DVD-Video titles (e.g. Hollywood movies).

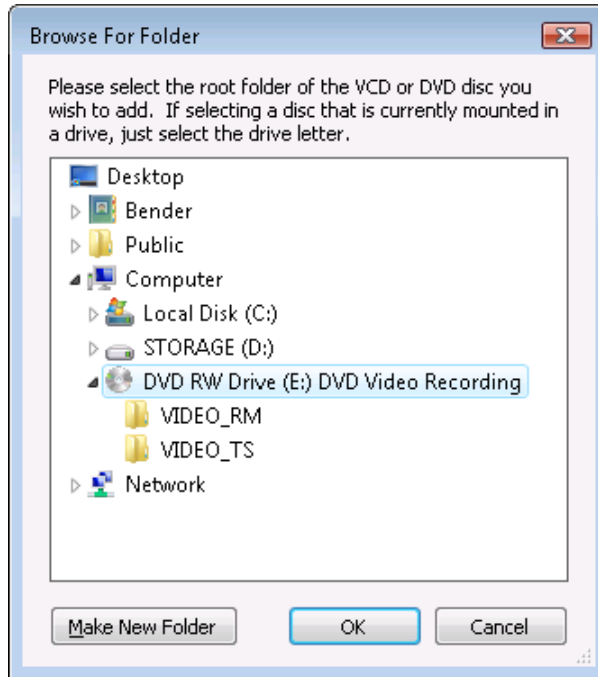
Extracting DVD-Video via Multimedia Manager

This method works well if you have a single DVD-Video disk associated with your transcript. The Extractor automatically appears after you add a DVD using Multimedia Manager.

1. Create a new Digital Video Transcript
2. From the **Multimedia** menu, click **Multimedia Manager**.

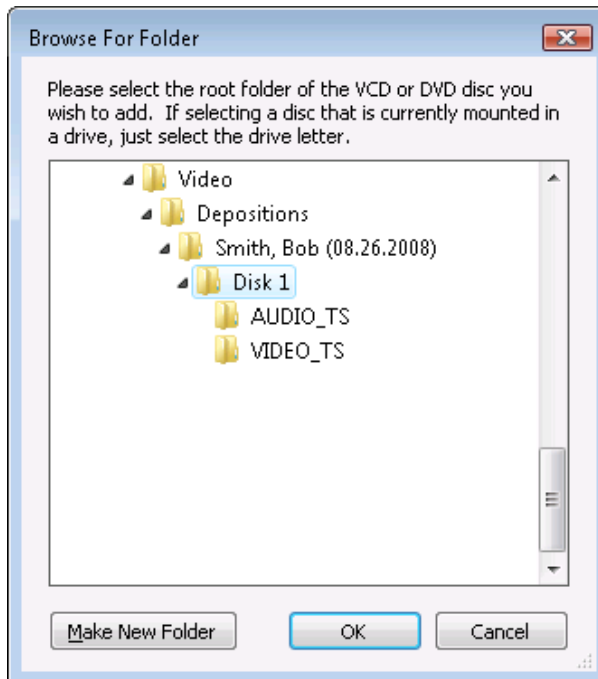


3. Click the **Add DVD** button to locate the DVD-Video to be extracted. The Browse for Folder dialog box appears.

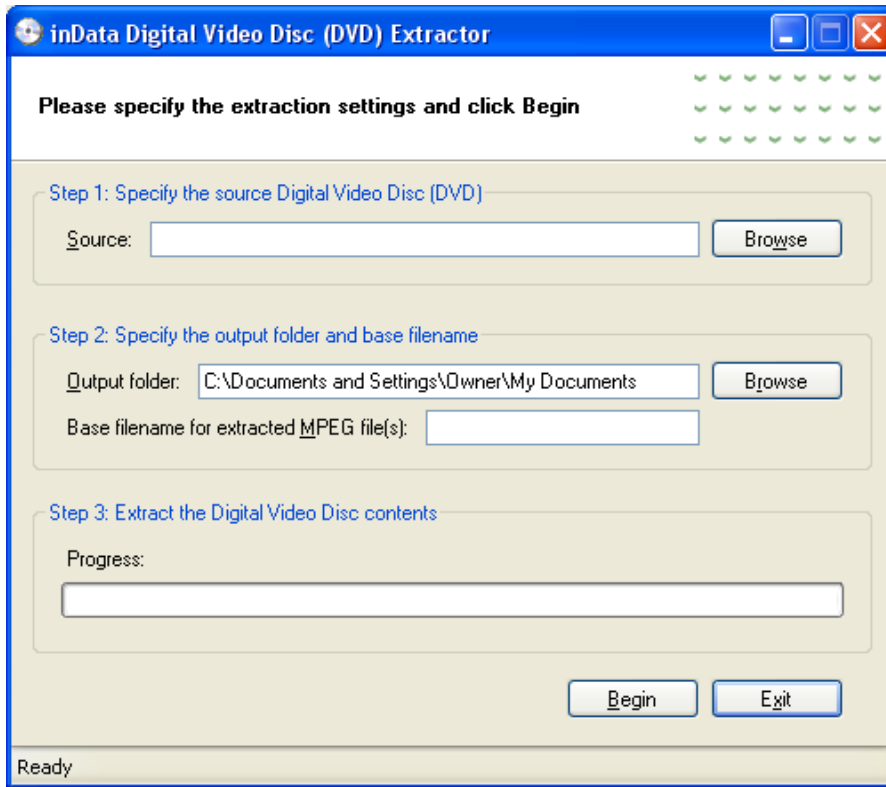


Selecting DVD-Video Disc Mounted in DVD Drive

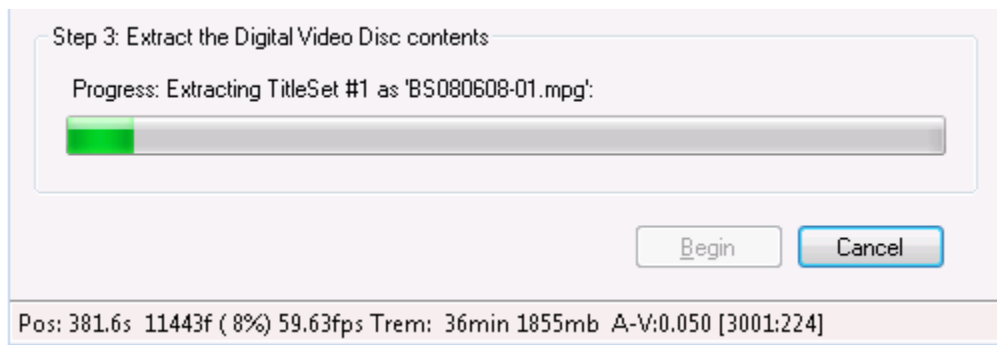
4. Select the root folder of the DVD-Video disc. If selecting a disc that is currently mounted in the DVD drive, just select the drive letter, as shown above. If you are selecting a DVD-Video disc that resides on a local hard disk or network share, browse to the root folder of the disc. For example, if the VIDEO_TS folder for the DVD is located at Z:\Video\Depositions\Smith, Bob (08.26.2008)\Disk 1\, select the Disk 1 folder (not VIDEO_TS).



5. Click **OK**. The inData Digital Video Disc (DVD) Extractor opens.



6. The following fields are automatically pre-populated and do not need to be modified:
 - **Source** reflects the previously select path to the DVD-Video
 - **Output folder** reflects the current user's My Documents path. If needed, you can click the **Browse** button to choose a different output folder.
 - **Base filename** is auto-generated based upon the First/Last Initial of the deponent and the deposition date for the active TimeCoder Pro DVT. If needed, you can modify this.
7. Click the **Begin** button to start the extraction process. During DVD-Video extraction, a progress meter is displayed as each title is processed. A status bar will show the percentage complete and the time remaining (Trem) for the extraction to complete. See the table below for an explanation of each status bar item.

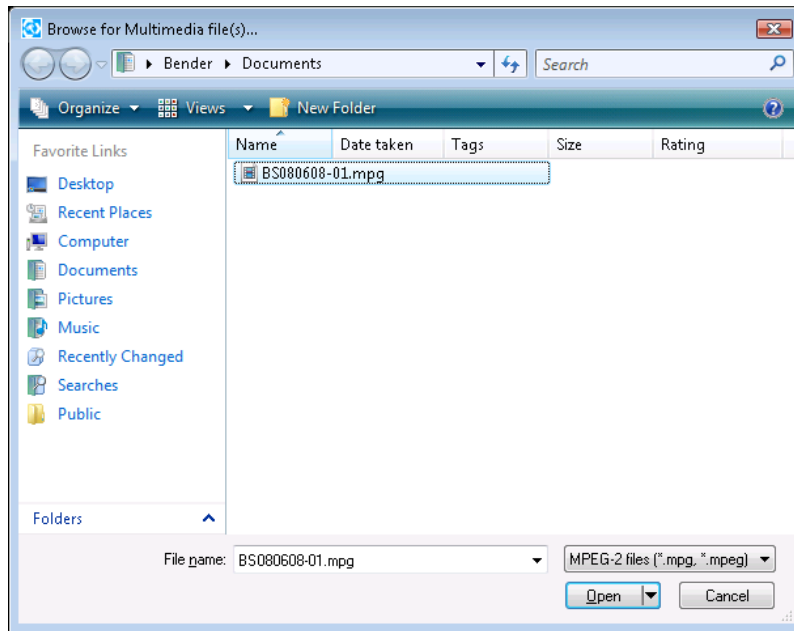


Position within DVD Title (seconds / frames)	Percentage Complete	Number of Frame Extracted Per Second (fps)	Estimated Time Remaining (Trem)	Estimated MPEG-2 video output size	Video and Audio Bitrate [3000:224]
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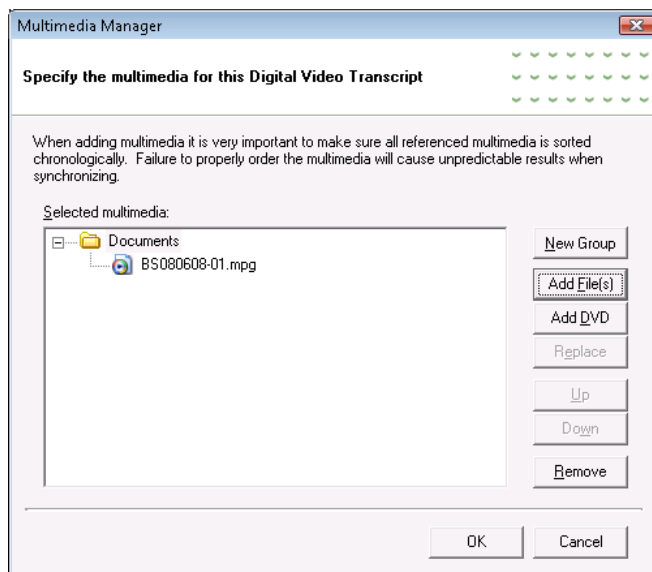
NOTE: If the DVD contains multiple titles, each one is extracted to a separate MPEG-2 file and the base filename is appended with a suffix (i.e. -01, -02, etc.) for each.

The time to extract the contents of the DVD-Video to a compliant MPEG-2 file depends on the performance of the PC, location of the DVD source, and the output folder. See the *Tips and Tricks* on page 6 for additional details. On a PC that meets the recommended requirements for TimeCoder Pro, it is common to achieve DVD extraction speeds up to 2x real time.

8. Once the DVD extraction is complete, click the **Exit** button. (NOTE: If you have more than 1 DVD-Video that is associated with the current DVT, click the **Browse** button to select the next DVD disk)
9. Once the **Exit** button is clicked, the **Browse for Multimedia file(s)** dialog appears. The extracted MPEG-2 video files are displayed in the list. Select the file(s) to add and click **Open**.



10. Each of the selected MPEG-2 files appears in the Multimedia Manager.

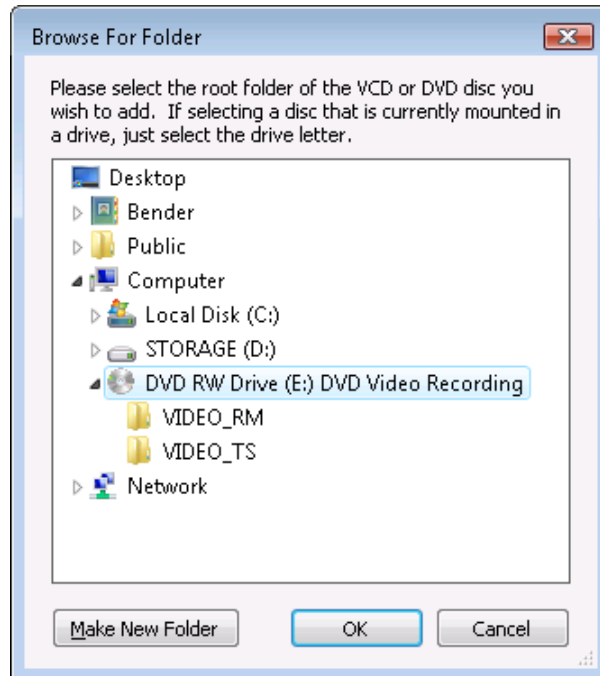


11. Once the MPEG-2 files are added, click **OK**. The MPEG-2 files can now be synchronized against the transcript.

Using the Extractor Independently from TimeCoder Pro

This method works well if you have multiple DVD-Video disks to associate with your transcript. In addition, multiple DVD extraction sessions can run simultaneously (ideally, in an environment where a single PC is dedicated to extraction of DVD-Video for a large production job). Follow the steps below to use the Extractor independently from TimeCoder Pro:

1. You can open the Extractor from the Windows' Start menu > TimeCoder Pro 5 program group, or from the Tools menu within TimeCoder Pro. If you open it from within TimeCoder Pro, you can close TimeCoder Pro at any time without closing the Extractor.
2. Click the **Browse** button to locate the DVD-Video to be extracted. The Browse for Folder dialog box appears.



Selecting DVD-Video Disc Mounted in DVD Drive

3. Click [here](#) and follow Steps 4-8 of the previous section to complete the extraction process for the first DVD-Video.
4. If needed, open another instance of the Extractor to simultaneously extract another DVD-Video.

Known Issues / Limitations

- If you are importing from LiveNote (PTF/VID), Timaro/TrialPro (PTS) or Sanction (MDB) formats, you cannot add DVD-Video during the import while attempting to preserve existing timestamps. After the file is imported, use the Multimedia Manager to add the DVD-Video.
- Do not run more than two instances of the Extractor at one time. Each instance of the DVD Extractor will consume about 50% of CPU resources.

Tips and Tricks

- If you are copying DVD-Video volumes to a local hard drive (or network share) so that they can be extracted at a later time, make sure to copy the entire contents of the DVD. DO NOT EXCLUSIVELY COPY THE VOB FILES. The other files within the VIDEO_TS folder (e.g. .IFO, .BUP) are required when extracting a DVD to MPEG-2 format.
- Make sure you have plenty of hard disk space available for the folder that will contain the MPEG-2 video extracted from the DVD. A full 2-hour DVD can use as much as 4.7GB of disk space.
- Running the DVD Extractor on an Intel Core2Duo PC will help improve the processing time.
- If possible, extract the DVD to a local hard disk to improve the processing time. While extracting the DVD to a network location is viable, it is slightly slower than extraction to a local drive.