

The background features a dark blue gradient with a subtle pattern of white dots. Overlaid on this are several white circular elements: a large scale on the left with markings from 140 to 260, and several smaller circles with arrows indicating clockwise or counter-clockwise rotation. The main title is centered in a large, white, sans-serif font.

MAKING AVCHD DISKS WITH MENUS

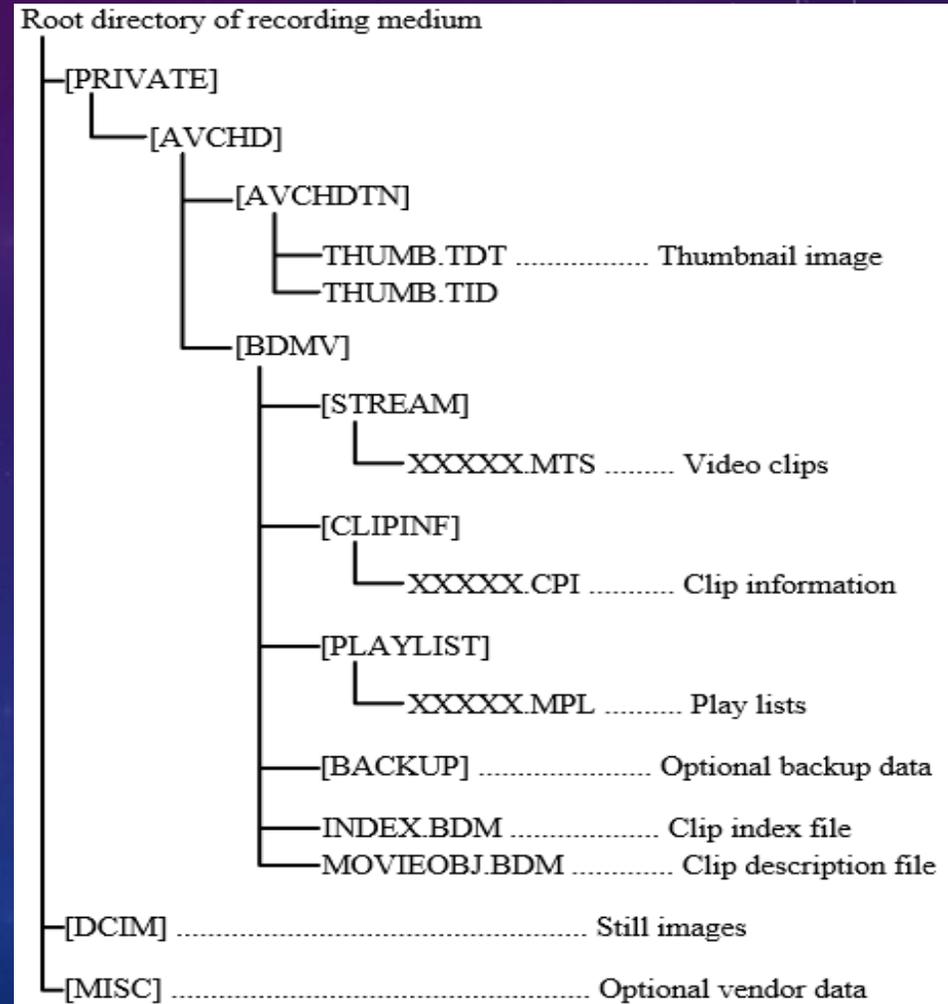
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MHE SIG

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AVCHD DISK STRUCTURE

- AVCHD promoted by Video Camera Manufacturers
- Able to put High Definition Video on to SD Cards and DVD Camcorders
- Source - <https://en.wikipedia.org/wiki/AVCHD>



DVD DISK STRUCTURE

- VIDEO_TS
VIDEO_TS.BUP
VIDEO_TS.IFO
The first video play item, IFO, usually a copyright notice or a menu
VIDEO_TS.VOB The first video play item, VOB
VTS_01_0.BUP
VTS_01_0.IFO Title 01, IFO, usually the main movie
VTS_01_0.VOB Title 01, VOB 0, the menu for this title
VTS_01_1.VOB Title 01, VOB 1, the video for this title
VTS_01_2.VOB Title 01, VOB 2, if larger than 1 GB it will be split into several vobs
VTS_01_3.VOB Title 01, VOB 3
VTS_01_4.VOB Title 01, VOB 4, up to 10(0-9) VOB files if necessary
VTS_02_0.BUP
VTS_02_0.IFO Title 02, IFO, usually movie extras
VTS_02_0.VOB Title 02, VOB 0, the menu for this title
VTS_02_1.VOB Title 02, VOB 1, the video for this title
VTS_xx_x.BUP
VTS_xx_x.IFO And so on
VTS_xx_x.VOB
VTS_xx_x.VOB
VTS_99_9.VOB Up to 99(1-99) titles with max 10(0-9) VOB files each
- [\(Source - http://forums.vso-software.fr/understanding-dvd-structure-t14792.html \)](http://forums.vso-software.fr/understanding-dvd-structure-t14792.html)

VSO Convert X to HD

- VSO Software was one of the first to support NVENC encoding
- I purchased Convert X to Video
- Tried Convert X to HD but no NVENC support
- They wrote to me saying NVENC was added !!!
- With 2 GTX960 cards can now encode at 550 frames per second !!
- Found that X to HD can make full AVCHD menus from DVD Chapters !!!
- I purchased Convert X to HD !!!

Parallel Processing

The screenshot displays the ConvertXtoHD software interface. At the top, the window title is "ConvertXtoHD 42.5%". The menu bar includes "File", "Action", "Default Settings", "Windows", and "Help/Tools". Below the menu bar, there are navigation icons and a progress slider. The main area shows the following configuration:

- Blu-ray & Menu options: AVCHD (for optical disk) 480P 16/9
- Project name: 3d workshop 3 projects 8
- Menu template: Metallic (open style)
- Edit Menu button

The "Main titles" section lists three titlesets, each with a preview image, progress bar, and status information:

- Titleset #1** - ~5 min. File: "3d workshop 3 projects 8 - Titleset" Show preview
processing: 40.8% (29s remaining) Frame rate: 203 Fps Encoding mode: GPU (Nvidia NVENC)
- Titleset #2** - ~4 min. File: "3d workshop 3 projects 8 - Titleset" Show preview
processing: 60.6% (13s remaining) Frame rate: 228 Fps Encoding mode: GPU (Nvidia NVENC)
- Titleset #3** - ~4 min. File: "3d workshop 3 projects 8 - Titleset" Show preview
processing: 25.6% (59s remaining) Frame rate: 89 Fps Encoding mode: GPU (Nvidia CUDA)

At the bottom, there are "Pause" and "Cancel" buttons. Below them, a "Log" section shows a table of events:

When	Description
04 Mar 08:01:29...	Encoding session started at 8:01:29 AM: 3 titleset(s) to encode (16 event(s))
04 Mar 08:00:16...	Added 3d workshop 3 projects 8 - Titleset from DVD in c:\users\john\videos\winxvideos\3d workshop 3 projects 8.iso (2 event(s))
04 Mar 08:00:16...	Added 3d workshop 3 projects 8 - Titleset from DVD in c:\users\john\videos\winxvideos\3d workshop 3 projects 8.iso (2 event(s))
04 Mar 08:00:15...	Added 3d workshop 3 projects 8 - Titleset from DVD in c:\users\john\videos\winxvideos\3d workshop 3 projects 8.iso (2 event(s))
04 Mar 08:00:15...	Loading structure (3 event(s))
04 Mar 08:00:15...	Loading structure (3 event(s))

At the very bottom, it says: "Converting: 42.49% Time left: 29 seconds"

NVENC Support

The screenshot displays the ConvertXtoHD 2.0.0.27 application window. The main interface includes a menu bar (File, Action, Default Settings, Windows, Help/Tools), a toolbar, and a preview editor showing a video titled "3d workshop 3 projects 8 - Titleset". The left sidebar shows a project tree with three titlesets, each with video and audio details. The bottom-left corner shows a log of recent actions.

The "Output - Hardware optimizations" dialog box is open, showing the following settings:

- Global settings:** General, Visual interface, Language, Sound events, Output, Output format, Encoding, Video processing, **Hardware optimizations** (selected), Menu options, Chapters, Subtitles, Audio, Burning, Watermark.
- Enable/disable all hardware optimizations:** ON (checked).
- Hardware decoding (DxVA2):** Maximum of hardware decoder (DXVA2) instances in same time: 2. Graphic adapter to use: NVIDIA GeForce GTX 960.
- Hardware/Software encoding:**

#	Acceleration type	Max instances	
1	Nvidia® NVENC	2	↓
2	Nvidia® CUDA	2	↑
3	Intel® QuickSync	2	↑
4	Kronos OpenCL (not available)	-	↓
5	Intel® QuickSync soft. (not available)	-	↓

At the bottom of the dialog, there are buttons for "Reset to VSO defaults", "OK", and "Cancel".

DEMONSTRATION

VSO X to HD Click on the link below

[ConvertXtoHD 2 0 0 273 - YouTube](#)