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High Definition DVD

By Hyun Kim

Definition of high definition DVD

High definition DVD is like an evolution in DVD format rather than just an outright revolution. If we compare the audio and video quality the difference is just like what was in DVD and VHS Tapes. Now day's television sets are compatible to display high definition pictures quality. If talk more precisely high definition DVD offers about 1080 lines of video resolution then compare to 576 or 480 lines offered by other DVD.

Need of High Definition DVD

The answer is very similar to the reason for choosing DVD rather than VHS Tapes. Not only high quality audio and video, the increased capacity of High definition DVD is the major advantage over DVD. You can store one full movie in one single disc rather than using multiple disks as earlier.

However using High definition DVD nowhere means that your existing DVD media gone obsolete. Almost all the latest high definition DVD is fully compatible to the older DVD media. In fact most of latest High Definition DVD formats also capable of increasing the resolution of old DVD to upwards which means you can still enjoy your old collection in latest High definition DVD format. This feature will sooner or later be found in almost all-High definition DVD players. This up scaling not equals to real high definition movies but this can provide you high resolution without loss of quality.

Various format of High Definition DVD

Two major competing formats are HD DVD and other is Blu ray disk or simply BD. Other formats are also there but all these are based in Asia these includes EVD, FVD etc.

Playing High Definition DVD on Computer

As of now there is no fully compatible system is available to play real high definition DVD. To display highest audio/video resolutions there is requirement of high-speed processor and dedicated audio decoding hardware. Cyberlink the maker of PowerDVD has taken some initiatives by demonstrating

High Definition DVD

playing some HD DVD with PowerDVD on Intel Pentium D processor in September 2005.

Cyberlink is also demonstrated paying of Blu Ray disks with PowerDVD. The latest versions of PowerDVD deluxe support various High definition DVD formats including H264 etc. Other players in market are makers of winDVD, another High definition DVD player software.

Blu-ray Vs HD DVD format of High Definition DVD

Blu ray is one of two most popular high definition DVD format. It uses blue-violet laser for reading and writing data that is why is called Blu ray or BD. On the other hand HD DVD is another most popular High definition DVD format. HD DVD is not synonymous to High Definition DVD but it's just a format of High definition DVD.

HD DVD and Blu Ray both comes in three different formats one is readable only called ROM second is Writable and third is Rewritable.

Hyun Kim is a freelance writer who writes about home audio and home theater related topics. He loves to visit Stereo411 to discuss Home Audio topics at

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Should a HDMI DVD player be your next home theater purchase?

By Kenny Hemphill

Should a HDMI DVD player be your next home theater purchase? by Kenny Hemphill

Thinking about getting an HDMI DVD player? Whether you've heard the buzz surrounding the latest generation of DVD players or have an

HDTV

and want a player to connect it to, the information on this

page will help.

High Definition DVD

HDMI stands for High Definition Multimedia Interface. Its the standard connector for high definition TV and video kit and is a lossless, all-digital audio/ video interface which as well as supporting HD content also carries standard definition (SD) and

enhanced definition

(ED) video.

Deciding which HDMI DVD player to get is becoming more difficult as more and more devices arrive on the market. Prices range from a very reasonable \$200 or so for the Toshiba SD-5970 to a couple of thousand dollars for devices at the high-end.

The Toshiba HDMI DVD player, like the other high definition players, up-converts the DVD-Video content on regular DVD discs to either 720p or 1080i high definition resolution. As well as do everything you would expect of a DVD player, the Toshiba SD-5970 has a couple of tricks up its sleeve. Its progressive scan output, when connected to an HDTV using the HDMI connector, provides twice the number of scan lines present on a normal DVD picture. This means higher resolution, sharper and flicker free images which have none of the motion artifacts, such as stepping, often seen on less expensive DVD players.

Also, the SD-5970 performs, what's known as 3:2 pulldown reversal. This basically means that it corrects the distortion which is caused by translating 24 frames per second film to 30 frames per second video.

The Toshiba SD-5970 is relatively inexpensive for an HDMI DVD player, yet it marks a huge leap in terms of improvement in image quality. More expensive players are better still and best of all, because this is a relatively new market prices are sure to fall making even a very good HDMI DVD player within the reach for any DVD enthusiast.

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