Blu-ray Disc: A New Dimension in High Definition

The New Pioneer Elite BDP-HD1 brings it home.
The difference is very clear.

In the evolutionary ladder of optical disc players, Blu-ray Disc is a giant leap above and beyond DVD. It’s a landmark achievement in high-definition technology, and our Elite BDP-HD1 player brings it home. Read on to find out why this new format — and this exceptional machine — will change the future landscape of home entertainment.

Blu-ray Disc — an overview

Blu-ray Disc (BD) is a next-generation optical disc format supported by a group of the world’s leading consumer electronics and personal computer manufacturers, as well as major studios. It was developed to enable high-definition (HD) video and new forms of interactive entertainment.

Higher capacity, higher quality

BD uses a shorter-wavelength blue-violet laser that can focus to a much smaller spot size compared to DVD’s red laser. This allows data to be packed more tightly and stored in less space, giving a BD disc more than five times the capacity of a DVD Video disc*. One BD disc can hold up to two hours of HDTV material (or eleven hours of SDTV material)**.

A Comparison of Digital Discs

<table>
<thead>
<tr>
<th>Format</th>
<th>Year of Introduction</th>
<th>Storage Capacity</th>
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<tbody>
<tr>
<td>CD Audio</td>
<td>1983</td>
<td>700MB</td>
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<tr>
<td>DVD Video</td>
<td>1996</td>
<td>4.7GB*</td>
</tr>
<tr>
<td>Blu-ray Disc</td>
<td>2006</td>
<td>25GB*</td>
</tr>
</tbody>
</table>

* Based on a single layer capacity.

The next generation media device

Now that you know the basics of Blu-ray Disc technology, you can begin to understand just how spectacular the new Elite BDP-HD1 truly is. It can play back HD material with an amazing 1080p resolution — eliminating the potential interlacing motion artifacts of 1080i and approximately doubling the resolution of 720p. The result is absolutely jaw-dropping picture quality that exceeds anything you’ve seen before, even on DVD.
The BDP-HD1 comes equipped with IP network capability, designed to DLNA (Digital Living Network Alliance) guidelines, that allows HD content, audio, and photos to be shared with a networked PC.* And, this versatile player enables a highly graphical — and exceptionally easy — navigation system in 1080p, high-definition resolution.

* Refer to page 3 for details.

The next dominant format

Besides home video, BD will have a huge impact on a range of applications. It will launch in 2006 with three media types:

- **BD-ROM** (read-only, for movies, software, games)
- **BD-RE** (rewritable, for erasable recordings)
- **BD-R** (write-once, for permanent recordings)

Movies, television programs, and video games can now be exceptionally media-rich, as a massive amount of data can be stored on a recordable BD disc. And, this new format allows high-definition video to be recorded onto a BD disc, while maintaining the purity of the original imagery.

Elite BDP-HD1 Features

- **Spectacular picture quality:** This is 1080p high-definition resolution, the highest resolution currently available. The visual quality difference is very clear.
- **Single-wire connections:** One HDMI™ (High Definition Multimedia Interface) digital connection is all you need from the BDP-HD1 out to your HDMI-capable AV receiver or HD flat panel. Compared to typical connections, the HDMI interface replaces numerous cords without degradation in signal quality between components.
- **Easy operation and setup:** Eye-popping on-screen GUIs for easy navigation, to quickly get you up and running.
- **IP Network Capability designed to DLNA guidelines:** Enables a link with a networked PC to share content, including movies (even HD movies), music, and photos.
- **Microsoft playsforsure™ protected content:** No-nassle playback of Microsoft playsforsure™ audio or video content downloaded from the Web and stored on personal computers, via a home network system.
- **Digital home theater sound:** The BDP-HD1 features Dolby® Digital and DTS HD™ surround sound processing.
- **Other audio and video support:** Video: WMV, MPEG1, MPEG4-AVC, VC1 Audio: WMA, MP3, LPCM Still image: JPEG, GIF, PNG

Note: Specifications, features, and design subject to change without notice. For more information please visit www.pioneerelectronics.com and find out more about the future of home entertainment.
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This label indicates playback compatibility with DVD-RW discs recorded in VR mode (Video Recording format). However, for discs recorded with a record-only-once encrypted program, playback can only be achieved using the CPRM compatible device.

Chinese characters cannot be displayed, although files featuring them can be played.

This unit may not be able to record to or play back discs that have been recorded on other units due to the recording conditions, mode, surface dirt or scratches. Other units may not be able to record to or play back discs that have been recorded on this unit due to the recording conditions, mode, surface dirt, scratches, or pickup conditions.

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