Today’s optical secures tomorrow’s access

Blu-ray® is the state-of-the-art optical disc format for the 21st century. Up to 10 times more data, movies, music or HD-videos stored on a disc the same size as a DVD ...

Safe media
Blu-ray® Discs are safer than CD or DVD! The hard coated surface is scratch resistant, liquid repellent and can stand high temperatures, making them far easier to handle. The perfect solution to archive your valuable data!

Data guarantee
Switch now to the most reliable and efficient long-life archiving technology to guarantee tomorrow’s data availability! No longer worry about tape failures or head crashes on your existing backup systems ...

Wide application area
Blu-ray® fits perfectly into a wide range of archiving needs such as CCTV footage, medical documentation, financial records, video productions etc.

Superior technology
- Blu-ray® by design is hard coated bare media
- Blu-ray® allows smaller drive/library design
- Blu-ray® needs less space than a cartridge library
- Blu-ray® allows smaller drive/library design

Widespread acceptance
- The Blu-ray® Association (founded 2002) gained worldwide support from consumer electronic manufacturers, the IT industry and the entertainment business.
- Open industrial consortium ensures a competitive multi-vendor media and drive market.
- Long-life, economically priced media

Extremely resistant media
- Scratch resistant
- No adherence of dust or contamination
- Liquid repellent
- High temperature and humidity resistant

www.disc-group.com  sales@disc-group.com  +31 23 5172 635
The key facts ...

- Optical disc format for high density data storage and high definition video
- Identical physical format and handling to CD/DVD media
- Hard coating protects against damage from humidity, scratches, fingerprints and dust
- Blu-ray® drives are PC-type
- Read/write compatible with CD/DVD technology
- Fast transfer rate (read/write)
- Formats: BD-R (write once), BD-RE (record/erase multiple), BD-ROM (read only)
- Standardized, platform independent file system, UDF
- Defect management and advanced error correction
- Long term technology support through all major hardware suppliers

Specifications

<table>
<thead>
<tr>
<th>Media</th>
<th>BD-R</th>
<th>BD-RE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>25 GB</td>
<td>25 GB</td>
</tr>
<tr>
<td>Layers</td>
<td>Single</td>
<td>Single</td>
</tr>
<tr>
<td>Type</td>
<td>Write-once</td>
<td>Rewritable</td>
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<tr>
<td>Rewriters</td>
<td>-</td>
<td>&gt;1000</td>
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<tr>
<td>Disc diameter</td>
<td>120 mm</td>
<td></td>
</tr>
<tr>
<td>Disc thickness</td>
<td>1.2 mm</td>
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<tr>
<td>Laser wavelength</td>
<td>405 nm</td>
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<tr>
<td>Recording speed</td>
<td>4x (~144 Mbit/s)</td>
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</tr>
<tr>
<td>Hard coating</td>
<td>Durabis™ or Scratch Guard™</td>
<td></td>
</tr>
</tbody>
</table>

The future of optical archiving

Blu-ray® with its fast speed and high capacity is a winning technology for the 21st century. Future generations of Blu-ray® media will hold up to 200 GB on 8 layers. BD drives will be 4 times faster than today, with a recording speed of up to 288 Mbit/s. The future will see increasing market share of Blu-ray® media. The biggest film studios worldwide clearly chose Blu-ray® as the technology of the future.