



1. **Optical discs** A storage device in which data is recorded as microscopic 'pits' by a laser beam. The data is read by photoelectric sensors which do not make active contact with the storage medium.
2. **optical disc** can store data at much higher densities than magnetic disks. They are therefore ideal for multimedia applications where images, animation and sound occupy a lot of disc space. Furthermore, optical discs are not affected by magnetic fields, meaning that they are secure and stable, and can be transported through airport metal detectors without damaging the data. However, optical drives are slower than hard drives.
3. **DVD** A Digital Versatile (or Video) Disc that uses optical technology to store large amounts of audio-visual material. Whereas CDs use only one side, DVDs can be recorded on both sides as well as in dual layers. A basic DVD can hold 4.7GB, and a dual layer DVD can hold 17GB
4. **laser beam** to read data
5. **tracks** An area marked on the surface of a disk. When a disk is initialized, the operating system divides its surface into circular tracks, each one containing several sectors. Tracks and sectors are used to organize the information stored on disk.
6. **a CD-ROMs (read only memory)** A 'read-only' CD, meaning you cannot change data stored on it. Short for compact disc read-only memory
7. **CD-ROMs (read only memory)** are read-only units, meaning you cannot change the data stored on them (for example, a dictionary or a game)
8. **CD-R (Recordable)** A write-once CD which lets you duplicate music and data CDs. Short for compact disc recordable.
9. **CD-R** CD-R (recordable) discs are write-once devices which let you duplicate music CDs and other data CDs.



10. <b>CD-RW (rewritable)</b>	A CD that allows audio or data to be written, read, erased, and rewritten. Short for compact disc re-writable
11. <b>CD-RW (rewritable)</b>	discs enable you to write onto them many times, just like a hard disk
12. <b>DVD-ROMs</b>	A read-only DVD disc used in DVD computer drives for data archival as well as interactive content (e.g. an encyclopedia, a movie, etc.)
13. <b>DVD-R or DVD + R(DVD—recordable)</b>	A recordable (write-once) DVD, for both movies and data.
14. <b>DVD-R or DVD + R(DVD—recordable)</b>	can only be recorded on once
15. <b>DVD-RW or DVD + RW</b>	A re-writable (write-many) DVD, for movies and data.
16. <b>DVD-RW / DVD+RW</b>	discs can be erased and reused many times. They are used to back up data files and to record audio and video
17. <b>DVD burner</b>	A DVD drive that records information by burning via a laser to a blank DVD disc
18. <b>DVD recorder</b>	typically refers to a standalone unit which resembles a video cassette recorder
19. <b>portable DVD player</b>	A handheld device with a built-in DVD drive and a screen.
20. <b>portable DVD player</b>	handheld devices which let you watch movies or TV, play games and listen to music, wherever you are.
21. <b>multi-format playback</b>	The feature of a media player that makes it compatible with many file formats, including DVD-video, DivX, MP3 music or JPEG images



### 22. **Blu-ray**

A new optical disc, created by Sony, which can record and play back high-definition TV and computer data. Unlike current DVDs, which use a red laser to read and write data, Blu-ray uses a blue-violet laser, hence its name.

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