

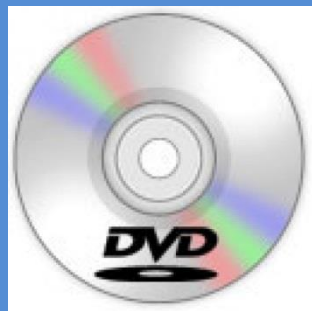
Optical Discs

- Permanent Storage
- Reflecting Surface with small bumps or pits
- First Generation



- ◆ Compact Disc (CD), Video Compact Disc (VCD), Mini Disc, Laser Disc
- ◆ Stores Music and Computer Software
- ◆ Only Digital Data Storage (exception Laser Disc)
- ◆ Infrared LASER reading head

- Second Generation



- ◆ Digital Versatile Disk (DVD), DataPlay, Dual Disc
- ◆ Large amount of Data storage
- ◆ Read using a visible light LASER (usually red)
- ◆ Smaller media like DataPlay can also store 700 MB

- Third Generation



- ◆ Blu-Ray Disc, HD DVD
- ◆ Far greater Data Storage Capacity
- ◆ Short wavelength visible light LASER (mostly blue) with high Numerical Aperture

- Fourth Generation



- ◆ Holographic Versatile Disc (HVD), LS-R, Protein coated Disc
- ◆ Very high Data Storage Capacity
- ◆ Data of the order of Terabytes can be stored