

# Holographic Data Storage



# What is Holographic System

- Leverages More Data Storage
- 1500 CDs or 200 DVDs Data in Single DVD.
- Optical Storage Method
- Data Stored as Optical Interference Pattern known as holograms



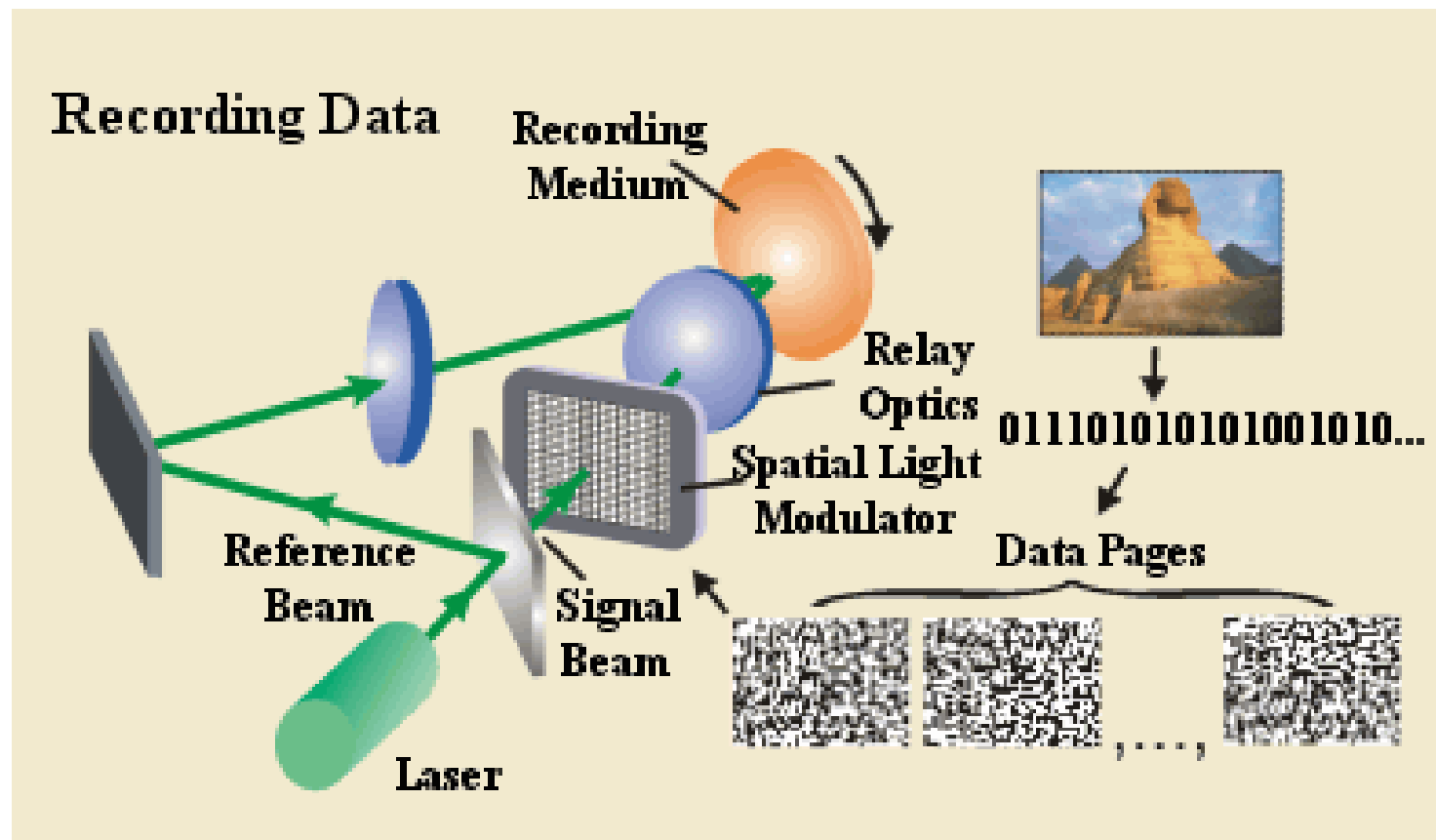


# How it Works

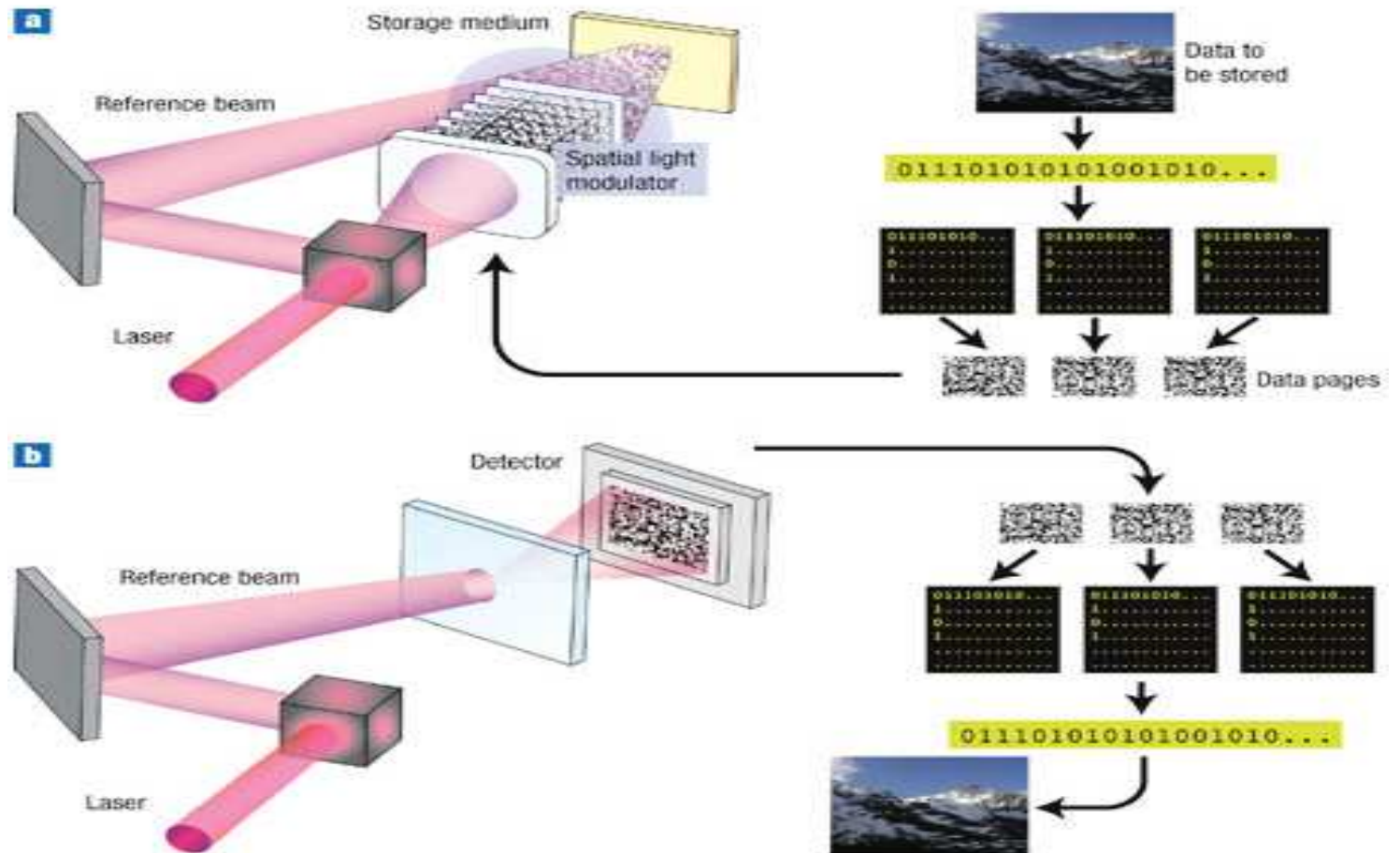
- Laser beams splits into 2 beams.
- Beams works as object beam and Reference beam.
- To read the stored data, the media is illuminated by original reference beam.
- Thousands of Holograms can be stored in the same location by simply changing angle of reference.
- Multiple Data Recording is possible by Using Light at Different angles



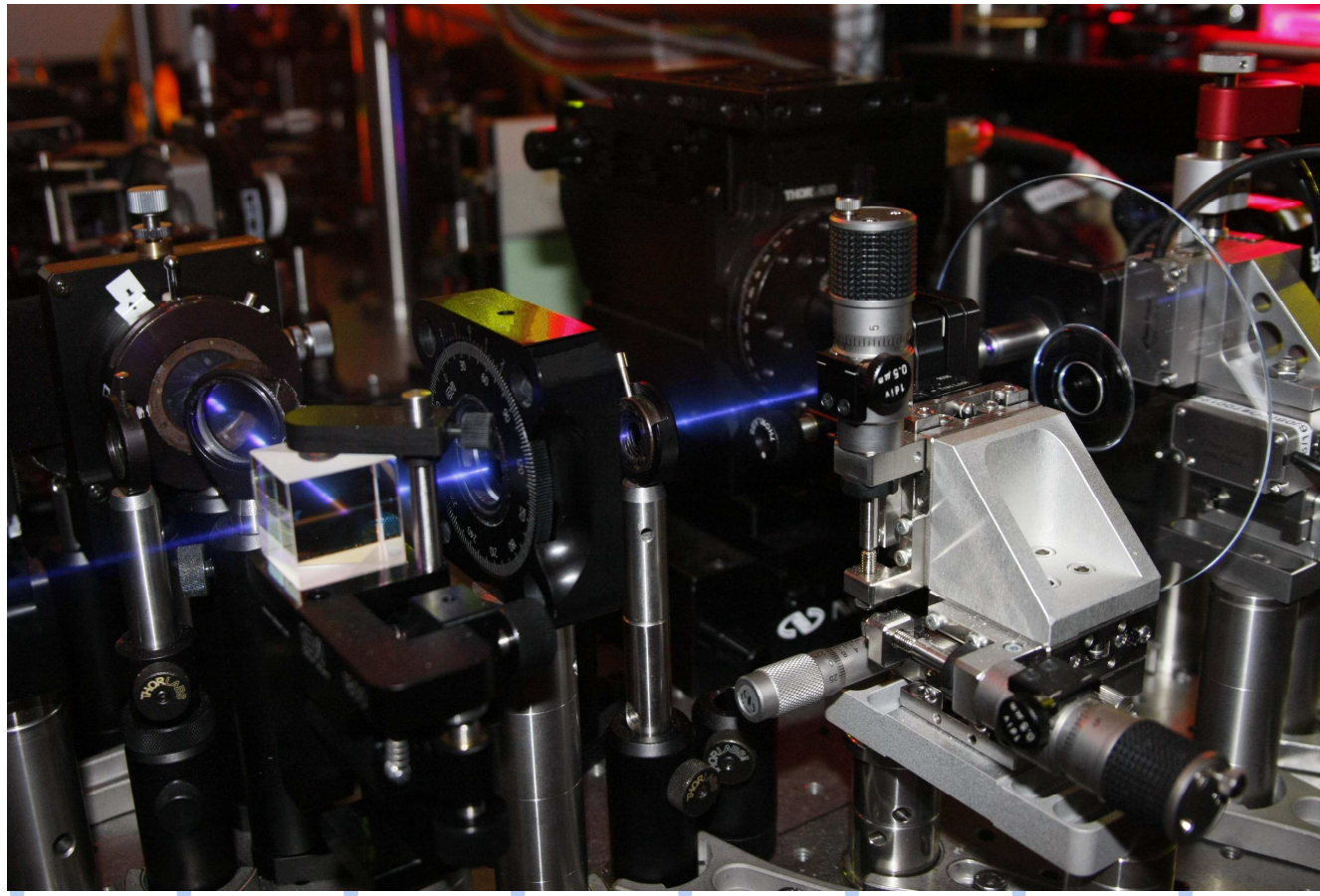
# Work Flow



# Work Flow .....



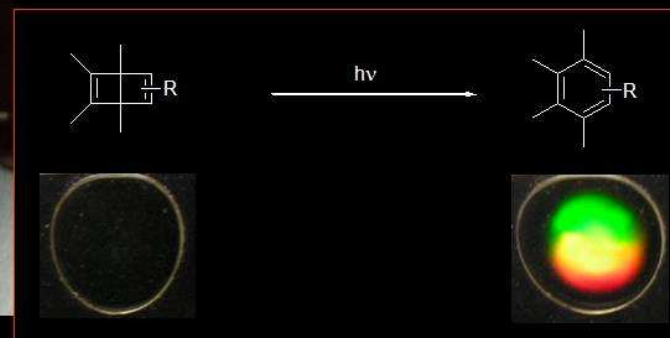
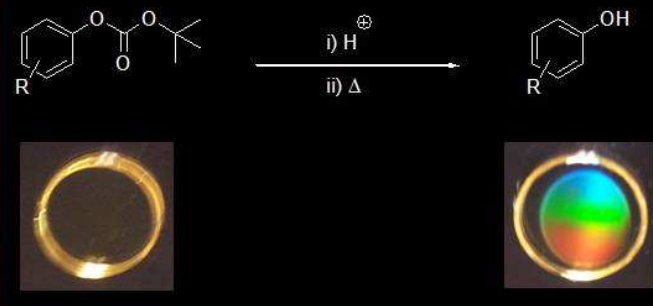
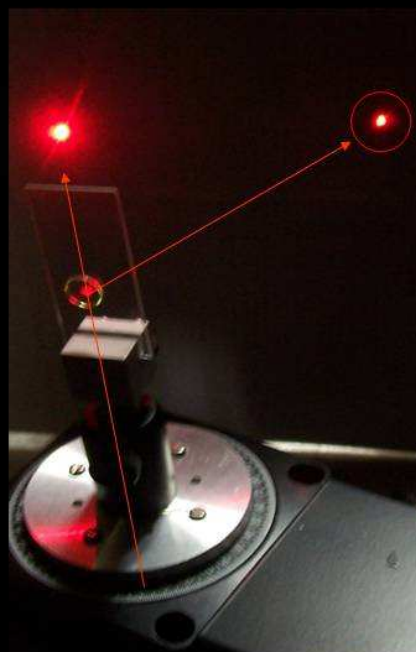
# Holographic Diffusion Equipment





# Holographic Diffusion Equipment..

## Three Dimensional Data Storage Systems



# Holographic Technology at Glance

## Advantages

- ✓ Associative memory capability
- ✓ Access All the Data in Few Microseconds
- ✓ Storage Capacity Increased Multiple Folds

