

Multimedia Hardware

- Digital media devices
- Analog media devices
- General-purpose devices
- Synchronization devices
- Interaction devices
- Multimedia platforms

Digital Media Devices

Capture	Presentation	Processing
ASCII keyboard	Frame buffer display buffer	Video encoder or decoder
MIDI keyboard	Printer	Audio encoder or decoder
Image scanner	MIDI synthesizer	Digital video effects
3D digitizer	Audio digital to analog converter	Digital audio effects
Video frame grabber		3D graphics hardware

Analog Media Devices

Sources	Sinks	Filters
Microphone	Speaker	Analog video effects
Video camera	Video display	Analog audio effects
Video tape player	Video tape recorder	Audio mixer
Audio tape player	Audio tape recorder	Video scan converter
Videodisc player		Video overlay device
Photographic		

General Purpose Devices

Devices that process or deal with arbitrary media:

- CD-ROM
- Magnetic Disks
- Oscilloscopes

Interaction devices

- Keyboard
- Mouse and joysticks
- Electronic pens
- 3D trackers
- Gloves
- Helmets & eye trackers

Synchronization Devices

Simultaneous presentation and manipulation of multiple media requires hardware assistance to maintain proper timing.

- genlocks
- sync generators

Multimedia Platforms

- Specially configured PCs and workstations
- MPC compliance
 - Personal computer
 - Color display
 - Speaker and microphone
 - CD-ROM drive
 - Audio and video digitizers
 - Network access