



# Multimedia Devices



# Introducing Multimedia

- **Multimedia** - multisensory stimulators, or things that stimulate our senses of sight, sound, touch, smell, or taste



# Information Kiosks

- Automated presentation systems used to provide information to the public or employee training



# Audio: MP3

- MP3 format
  - Reduces file size of sound files
  - Eliminates those frequencies that the human ear cannot hear
  - Record, store and play on computer
  - Downloadable
  - Stored on portable players



# Audio: Digital Voice Recorders

- Digital Voice Recorders
  - Record voice and sounds to playback later
  - Built-in microphone
  - Stored on memory chip
  - Consider amount of storage and price



# Visual: E-Books

- E-book is a book that has been digitized and distributed by means of a digital storage medium
- E-book reader may be built only for reading e-books or a PDA



# Visual: Digital Cameras

- Digital camera is a camera that uses digital technology to store and display images instead of recording them on film
  - Shot is stored in camera
  - Lens, shutter, viewfinder
  - CCD
  - Megapixel



# Visual: Digital Cameras

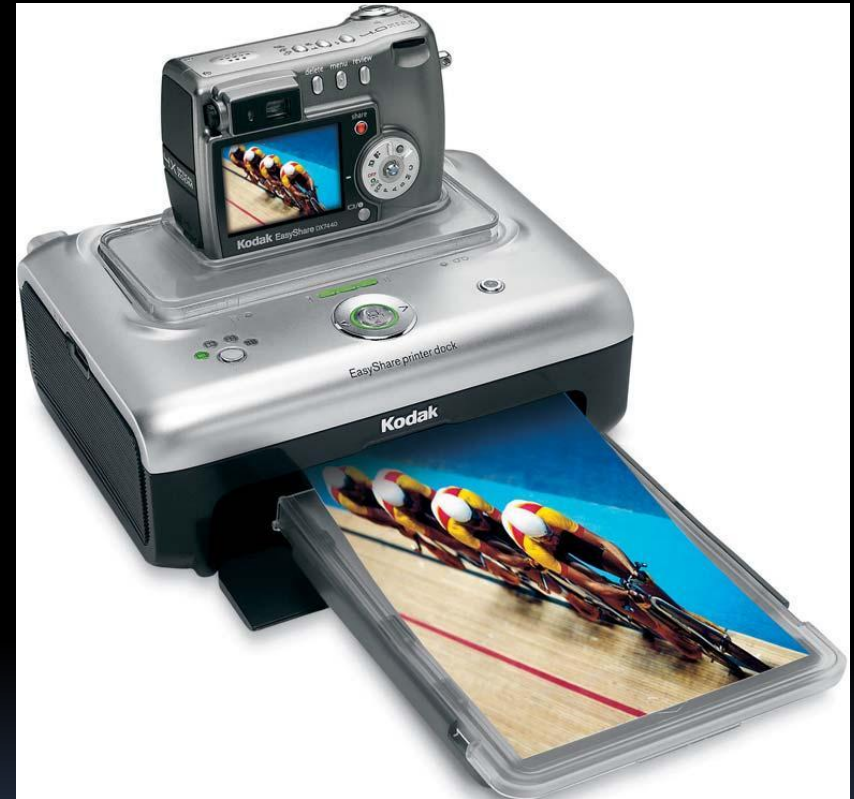
- Images are stored using flash memory technologies
  - CompactFlash
  - SmartMedia
- Photos can be downloaded to PC for safe-keeping.





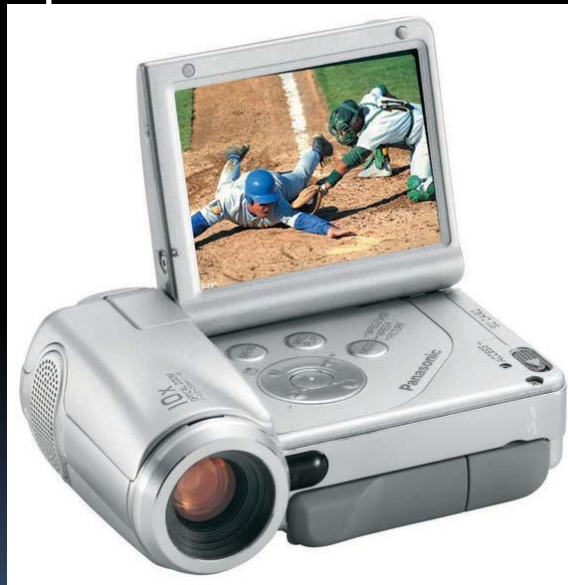
# Visual: Digital Cameras

- Photo-editing programs allow you to enhance, edit, crop or resize photos
- Photo printers use flash memory cards to let you print directly to the printer



# Visual: Digital Camcorders

- Digital video saves full-motion images in digital format
- Connect a digital video camera to computer through a USB port



# Television and Computer Appliances

- MSN® TV is an Internet service that can be accessed through an inexpensive set-top appliance
  - Television becomes display
  - Wireless keyboard or remote control unit



# Television and Computer Appliances

- Portable Televisions and Jukeboxes
  - Carry multimedia wherever you go
  - Dual-band wireless connection
  - High-speed Ethernet port to receive and transmit data



# Television and Computer Appliances

- Digital video recorders (DVR)

- Similar to a VCR
- Uses a hard disk
- TiVo



# Television and Computer Appliances

- Computer Gaming Devices

- Playstation

- Xbox

- Console

- Similar to computer

- Load and play games

- Can be handheld

- Game Boy



# Television and Computer Appliances

- Headsets

- Wearable device that includes twin LCD panels
- Create the illusion of walking through a 3-D environment

- Cave Automated Virtual Environment (CAVE)

- 3-D glasses
- Walls, ceilings, and floors display projected 3-D images

