

Interaction Devices



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What are interaction devices?



Devices which permit us to enter into a computer or receive data from a computer.

3 Types of Interaction Devices

Bidirectional

Input



Output



What are input devices?



an **input device** is any (piece of computer equipment) used to provide data and control signals to an information processing system such as a computer or other information appliance

http://en.wikipedia.org/wiki/Input_device

What are output devices?



An output device is any piece of computer hardware equipment used to communicate the results of data processing carried out by an information processing system.

http://en.wikipedia.org/wiki/Output_device

Input Devices



Output Devices

- Microphone
 - Joystick
 - Keyboard
 - Webcam
 - Trackball
 - Mouse
 - Touch Screen
- Computer Monitor
 - Speakers
 - Microfilm
 - Headset
 - Printer
 - Projector
 - Television

Bi-directional Devices



∞ Modem

∞ Rewritable CD/DVD ROM

∞ USB

∞ Wii Remote

∞ Wii U Game pad

History of Interaction Devices

1685- Camera

1808- Typewriter

1887- Microphone

1888- Graphic Tablet

1909- Joy Stick

1952- Barcoder

1952- Trackball

1960-Mouse

1971-Touch Sensor

1982-Light Pen

1982- CD

1984- Gamepaddle

1988-Touch Pad

1991- Webcam

<http://www.timetoast.com/timelines/the-history-of-computer-input-devices>

The Future of Interaction Devices



[http://
www.disneyresearch.com/
interaction/](http://www.disneyresearch.com/interaction/)

<http://youtu.be/cMzfyGBfAck>