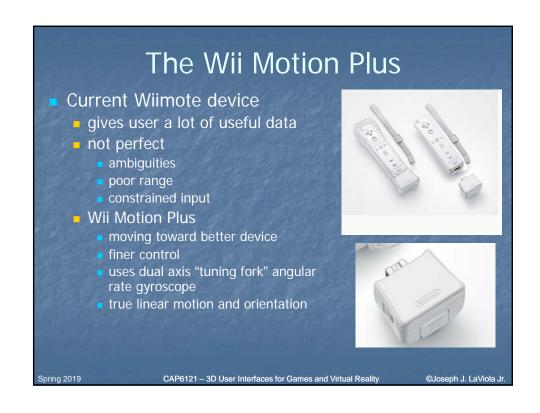
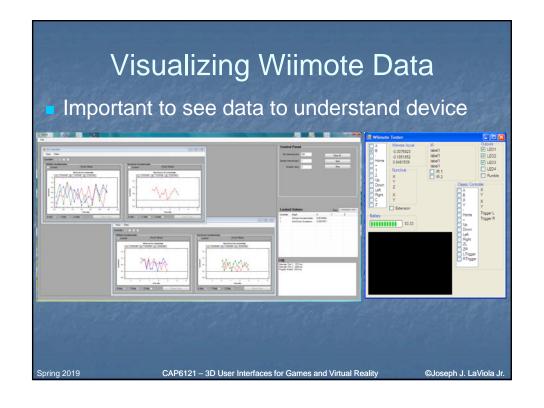
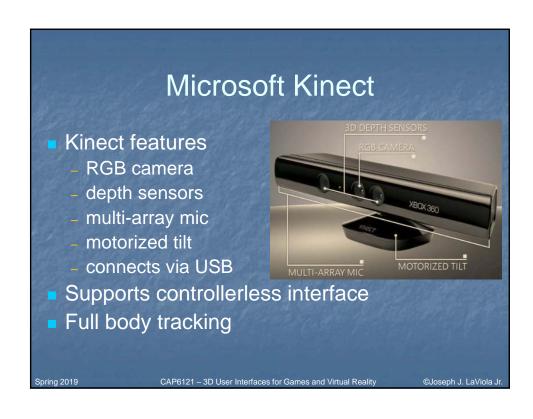


The Wiimote - Optical Data Data from optical sensor uses sensor bar 10 LED lights (5 of each side) accurate up to 5 meters triangulation to determine depth distance between two points on image sensor (variable) distance between LEDs on sensor bar (fixed) roll (with respect to ground) angle can be calculated from angle of two image sensor points Advantages provides a pointing tool gives approximate depth Disadvantages line of sight, infrared light problems only constrained rotation understanding Sensor Bar CAP6121 - 3D User Interfaces for Games and Virtual Reality ©Joseph J. LaViola Jr









Kinect - Hardware Details **RGB** Camera 640 x 480 resolution at 30Hz Depth Sensor complimentary metal-oxide semiconductor (CMOS) sensor (30 Hz) infrared laser projector 850mm to 4000mm distance range Multi-array mic www.hardwaresphere.com set of four microphones - multi-channel echo cancellation sound position tracing Motorized tilt 27° up or down CAP6121 - 3D User Interfaces for Games and Virtual Reality ©Joseph J. LaViola Jr

