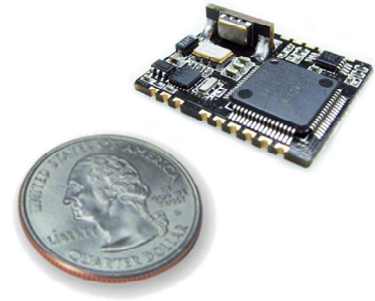


## Features

- High Accuracy and Resolution
- Fast Start-up and Fully Self-contained
- Projected X and Y Displacements  
Roll Angles and Force Intensity Outputs
- Digital Output (SPI/I2C/UART)
- Wide Bandwidth
- Ultra Low Power Consumption



## Applications

- Remote Controls for Digital TV and Set-top Boxes
- Game Input Devices
- Presentation Pointing Devices
- Air Multi-mouse
- Motion Capture Systems

## Description

The CruizCore® MSID is a motion capture and input device used for digital entertainment applications. It is highly compact, light, and fully self-contained. It encloses two gyroscopes and a 3-axis accelerometer. The embedded adaptive reduced filter algorithm compensates for the sensor errors.

The MSID estimates projected X and Y displacements, roll angle, and force intensity. The X and Y displacements can be interpreted to resemble the regular mouse functions such as moving a pointer or an object on a display. The roll input can be used for simulating turning a jog /shuttle dial or rotating objects. The force intensity information increases the virtual reality experience in games. The MSID will be the leading input device for digital TV, CABLE/IPTV, and motion based games.

