

Existing Solutions and Our Ideas

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1 Problem Description

Suppose you wish to create a recording of yourself as you move around and do activities. Usually, you have a middle man that is between you and your camera so that they can control the camera so that it is continuously focused on you. However, it is not always the case that this cameraman is available to help you film yourself.

2 Problem Solution

To eliminate the need for a cameraman, a camera is first placed on a custom mount. Then from reading the inputstream of the camera, software we track your motion displacement and control the mount to follow your motions. The mount is capable of rotating along a horizontal plane and a vertical plane.

3 Existing Solution

3.1 SoloShot

First solution Designed for surfers to record practice runs works outdoor, waterproof built on Xigbee wireless communication and GPS uses marker armband so does not need to maintain line of sight does NOT work indoors or close range SoloShot2 adds tilting, zooming, start/stop button

3.2 Swivl

Does pan and tilt using marker to sense what to follow requires line of sight

3.3 AlMe