

SYSTEM AND METHOD OF CAPTURING AND GENERATING PANORAMIC THREE-DIMENSIONAL IMAGES

ABSTRACT

An apparatus comprising a housing, a mount configured to be coupled to a motor to horizontally move the apparatus, a wide-angle lens coupled to the housing, the wide-angle lens being positioned above the mount thereby being along an axis of rotation, the axis of rotation being the axis along which the apparatus rotates, an image capture device within the housing, the image capture device configured to receive two-dimensional images through the wide-angle lens of environment, and a LiDAR device within the housing, the LiDAR device configured to generate depth data based on the environment.

[FIG. 4]