

SENSOR CALIBRATION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM

ABSTRACT

The application relate to a sensor calibration method and apparatus, an electronic device, and a storage medium. The method includes the following operations. Multiple scene images and multiple first point clouds of a target scene are acquired by an image sensor and a radar sensor. A second point cloud of the target scene in a global coordinate system is constructed according to the multiple scene images. A first distance error between the image sensor and the radar sensor is determined according to first feature point sets of the first point clouds and a second feature point set of the second point cloud. A second distance error of the radar sensor is determined according to multiple first feature point sets. A reprojection error of the image sensor is determined according to a first global position of the second feature point set in the global coordinate system and first image positions of pixel points corresponding to the second feature point set in the scene image. The radar sensor and the image sensor are calibrated according to the first distance error, the second distance error and the reprojection error.

[Fig. 1]