

ABSTRACT

DEPTH ESTIMATION METHOD AND APPARATUS, ELECTRONIC DEVICE, PROGRAM, AND MEDIUM

Embodiments of the present disclosure disclose a depth estimation method and apparatus, an electronic device, a program, and a medium. The method includes: taking a single image as a first image in binocular images, and obtaining a second image in the binocular images based on the first image via a first neural network; and obtaining depth information corresponding to the first image via a second neural network by performing binocular stereo matching on the first image and the second image. According to the embodiments of the present disclosure, depth estimation is implemented based on a single image without needing binocular cameras, thereby avoiding additional hardware overhead generated by binocular cameras and reducing the costs. Moreover, an error in obtained depth information caused by the inaccuracy of settings of binocular cameras can be avoided, and the accuracy of depth estimation is improved.

[FIGURE 1]