

ABSTRACT

The present application discloses an object recognition method and apparatus, an electronic device, a computer readable storage medium and a computer program product, applied to various scenarios such as cloud technology, artificial intelligence, and intelligent transportation. The method comprises: determining a reference pixel point from among pixel points in an infrared light image, and obtaining depth information of the reference pixel point; obtaining depth information of each pixel point in the infrared light image according to position information of the reference pixel point and the depth information; performing position mapping processing on each pixel point in the infrared light image on the basis of the corresponding depth information of each pixel point to obtain corresponding mapping point position information in a visible light image; performing alignment processing on the pixel points in the infrared light image and the visible light image according to the mapping point position information; and performing, on the basis of the infrared light image and the visible light image subjected to alignment processing, object recognition on an object to be recognized to obtain an object recognition result.

Fig. 1b