

SEGMENTATION MODEL TRAINING METHOD AND APPARATUS AND IMAGE RECOGNITION METHOD AND APPARATUS

ABSTRACT

5 Embodiments of this specification provide a segmentation model training method and
apparatus, and an image recognition method and apparatus. The segmentation model includes a
first network model, a second network model, and a third network model. The training method
includes: obtaining a sample image pair, where the sample image pair includes an RGB image
and a depth image that are obtained by photographing the same visual range; inputting the depth
10 image into the first network model, to obtain a first depth feature extraction result; inputting a
combined image of the depth image and the RGB image into the second network model, to
obtain an edge feature of a target object; inputting the edge feature of the target object and the
first depth feature extraction result into the third network model, to obtain a segmentation result
of the target object; and performing a parameter adjustment on the first network model, the
15 second network model, and the third network model based on a label and the segmentation result
of the target object. According to the embodiments of this specification, segmentation
information of the target object can be obtained more accurately.

20 FIG. 2