

Abstract

The present application discloses a model training and scene recognition method and apparatus, a device, and a medium. When a scene recognition model is trained, training is first performed by means of a first scene label and a standard cross-entropy loss of a sample image to obtain parameters of a core feature extraction layer and a global information feature extraction layer; then, according to a feature map outputted by a local supervised learning (LCS) module having an attention mechanism at each level and a loss value obtained by pixel-by-pixel calculation of the first scene label of the sample image, a weight parameter of the LCS module at each level is trained; and finally, a parameter of a fully-connected decision-making layer of the scene recognition model is obtained by training.

FIG. 1