

ABSTRACT

A DECODER TRAINING METHOD, A HIGH-RESOLUTION FACE IMAGE GENERATION METHOD, A DEVICE AND A COMPUTER DEVICE

The present invention provides a decoder training method which involves: acquiring a first face image which is a low-resolution face image with a resolution lower than a first preset value; decoding the first face image by the decoder to form a high-dimensional vector corresponding to the features of the first face image, which high-dimensional vector has a dimension higher than a second preset value; generating a second face image by the generator according to the high-dimensional vector, which second face image is a high-resolution face image with a resolution higher than a third preset value; determining the value of loss function according to the second face image and adjusting parameters of the decoder according to the value of loss function; and obtaining the well-trained decoder when the value of loss function meets a preset condition. In the present application, the decoder can generate a high-dimensional face image close to the low-resolution face image after the high-dimensional vector output corresponding to the acquired low-resolution face image is input to the generator.

Fig. 1