

AU FEATURE RECOGNITION METHOD AND DEVICE, AND STORAGE MEDIUM

ABSTRACT

The disclosure discloses an action unit (AU) feature recognition method, which includes: acquiring a real-time image shot by a photographic device and extracting a real-time facial image from the real-time image by use of a face recognition algorithm; inputting the real-time facial image into a pretrained facial mean shape and recognizing t facial feature points from the real-time facial image by use of the facial mean shape; determining feature regions matched with each AU in the real-time facial image according to positions of the t facial feature points, extracting local features from the feature regions and generating multiple feature vectors; and inputting the multiple feature vectors into pretrained AU classifiers matched with the feature regions respectively to obtain a prediction result of recognition of the corresponding AU features from the feature regions. The AU features in the feature regions of the real-time facial image are recognized through different AU classifiers, so that AU feature recognition efficiency is effectively improved. The disclosure also discloses an electronic device and a computer-readable storage medium.

Fig. 3