

ABSTRACT

Neural network training and line of sight detection methods and apparatuses, and an electronic device. The neural network training method comprises: determining first coordinates of a pupil reference point in a first image in a first camera coordinate system and determining second coordinates of a cornea reference point in the first image in the first camera coordinate system, the first image at least comprising an eye image; on the basis of the first coordinates and the second coordinates, determining a first line of sight direction of the first image; line of sight direction detection being performed by a neural network on the first image to obtain a first detected line of sight direction; and, on the basis of the first line of sight direction and the first detected line of sight direction, training the neural network. The line of sight detection method comprises: performing face detection on a second image included in video stream data (101); performing key point positioning on the detected face area in the second image to determine an eye area in the face area (102); intercepting an image of the eye area in the second image (103); and inputting the eye area image into a pre-trained neural network to output a line of sight direction of the eye area image (104). Also provided are corresponding apparatuses and an electronic device.

[Figure 1]