

PUPIL RADIUS DETECTION METHOD AND APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM

ABSTRACT

A pupil radius detection method includes: obtaining a to-be-detected pupil radius image, and extracting a region-of-interest image from the to-be-detected pupil radius image; performing pixel processing on the region-of-interest image to obtain a pupil region image; extracting a plurality of pupil contours from the pupil region image by using a boundary tracing algorithm; obtaining a center of the region-of-interest image, a set of minimum enclosing circles of the plurality of pupil contours, and a circle center of each minimum enclosing circle in the set of minimum enclosing circles; and obtaining a distance between the center and each circle center, selecting a circle center closest to the center, using a minimum enclosing circle corresponding to the closest circle center as a target circle, and using a radius of the target circle as a pupil radius.

FIG. 2 accompanies abstract.