Abstract

Disclosed are iris recognition method and apparatus, colored contact lens detection method and apparatus, and readable storage medium and detection device. The colored contact lens detection method includes: an eye image is acquired; an average pixel value of the eye image is calculated, and grayscale values of the eye image are processed, so as to obtain a first image matrix; gradient transformation and normalization are performed on the eye image, so as to obtain a second image matrix; a matrix addition operation is performed on the first image matrix and the second image matrix, and each pixel in an image obtained through the matrix addition operation is binarized, so as to obtain a binarized image; and determine whether the cosmetic contact lens is worn according to a proportion of pixels having a grayscale value of 1 in a portion, outside a pupil region, of the binarized image is counted.