

ABSTRACT

An image processing method, a device, and a readable storage medium. The method comprises: acquiring from a video stream an image to be processed; converting the image to be processed into a YUV format to obtain a first image, and extracting Y-channel data
5 corresponding to the first image; generating, by using the Y-channel data, brightness correction parameters respectively corresponding to pixels of the first image; performing, by using the brightness correction parameters, gamma brightness correction on the Y-channel data respectively corresponding to the pixels to obtain corrected data; replacing the Y-channel data with the corrected data to obtain a second image, and converting the second image into
10 an RGB format to obtain a processed image; inputting the processed image and a historical adjacent frame optimization image into an evaluation model to obtain an evaluation parameter used for representing a brightness difference between the processed image and the historical adjacent frame optimization image; and if it is determined that the evaluation parameter is not in a target range, determining the processed image as a brightness optimized image
15 corresponding to the image to be processed. The method keeps the brightness of a video stream to be overall stable.