

ABSTRACT

Disclosed in the present application are an exposure time calibration method and apparatus, and a device and a storage medium. The method comprises: photographing a target photographing object on the basis of an exposure starting time, an exposure ending time, a light source turn-on time and a light source turn-off time, and acquiring a grayscale value of an image corresponding to the target photographing object; on the basis of changes in the grayscale value of the image, adjusting the exposure starting time, the exposure ending time, the light source turn-on time and the light source turn-off time, so as to obtain a calibrated grayscale value change curve; and on the basis of the calibrated grayscale value change curve, determining a calibrated exposure starting time and a calibrated exposure ending time during a period of time when the grayscale value of the image remains unchanged. In the present application, a measurement of time is converted into a measurement of a grayscale value of an image, and an exposure time is calibrated on the basis of the grayscale value of the image, thereby improving the accuracy of exposure time calibration.