ABSTRACT

The present application relates to an image acquisition apparatus for extended depth-of-field imaging and an extended depth-of-field imaging device. According to the present application, at least two groups of depth image sequences acquired under different imaging exposure conditions can be provided for extended depth-of-field imaging. When structural features of a target object are prone to causing localized abnormal light-reception, positions and degrees of the localized abnormal light-reception may vary under different imaging exposure conditions. Therefore, local image defects present in at least two groups of depth image sequences acquired under different imaging exposure conditions are not completely identical. Consequently, an extended depth-of-field image is generated based on the at least two groups of depth image sequences acquired under different imaging exposure conditions.

[FIG. 1]