

Abstract

A focusing adjustment unit changes a relative positions of an optical system and an element of a camera the imaging direction of which faces a predetermined target shooting position from a first side to a second side in an imaging direction. Each time the focusing adjustment unit changes the relative position of the optical system and the element, an evaluation unit calculates an evaluation score monotonously increasing relative to a standard deviation in an adjustment range of an image captured by the camera, the adjustment range being such that an adjustment member a pattern of a plurality of colors provided at the target shooting position comes out. A focusing position determination unit determines a focusing position of the camera based on a change of the evaluation score calculated by the evaluation unit.