

An optical system including an objective lens (8) applies five light beams (3₁ to 3₅) generated by an optical pickup (2) to a plurality of adjacent tracks on a signal plane (1) of a CD-ROM (1). Light beams reflected from the signal plane are detected with photodetectors (PD₁ to PD₅), and in accordance with the detection outputs of the photodetectors (PD₁ to PD₅), a record data read system (20) reads at the same time data recorded on respective tracks applied with the light beams (3₁ to 3₅), and outputs the read data in the record order of CD-ROM (1) by preventing the read data from being duplicated or omitted. Prior to reading record data, a system controller (50) performs an offset bias adjustment of a focus servo system. In this case, the offset adjustment is performed so that the signal plane (1) is positioned just at the middle of in-focus points (P₃) and (P₁) of the light beams (3₃) and (3₁) as viewed along the optical axis of the objective lens (8).