ABSTRACT

A table generator 200 outputs a jump address 290 based on data 220 indicating GOP numbers, data 250 indicating picture numbers, data 270 indicating times when pictures are to be reproduced in a normal reproduction and data 190 indicating sector addresses of GOP data 170. A formatter 210 performs formatting so that GOP data and auxiliary data including the jump address 290 corresponding to the GOP data are adjacent to each other. An optical head 330 for recording receives the formatted data via a recording signal processor 310 and records the data on an optical disk. As a result, even when a number of the pictures composing one GOP is varied, data can be recorded on a recording medium so that a reproduction scale factor R becomes substantially constant at a time of a high-speed reproduction.