

Abstract

There is provided technology that can generate joined streams by devising an encoding method for a video tile stream, while limiting load on the server. After a video signal that is the subject of encoding has been received, a tile stream is generated by encoding the video signal using appropriate prediction reference information. The video tile stream that has been obtained by encoding is output. Here, encoding of the video information utilizes a restricted prediction reference information method or a fixed prediction reference information method, so that errors caused by inconsistencies in prediction relationship of a signal do not arise even if streams, formed by each MB line of a frame of the video tile stream, are arbitrarily connected. At the time of connecting tile streams, it is possible to avoid inconsistencies in prediction information written into a stream determined at the time of encoding.