ABSTRACT

A video predictive encoding device is provided with: an input device to implement input of pictures constituting a video sequence; an encoder to encode the pictures by intra-frame prediction or inter-frame prediction and to encode output order information of each picture and information about a picture type of each picture to generate compressed picture data, the compressed picture data including a picture to serve as a random access point,; a reconstruction unit to decode the compressed picture data to reconstruct pictures; a picture storage unit to store one or more of the reconstructed pictures as reference pictures to be used for encoding of a subsequent picture; and a controller to determine the picture type and control the picture storage unit, based on the determined picture type; wherein the controller labels each picture as one of following three types: CRA picture, type 1 picture and type 2 picture.