

ABSTRACT

A conversion from a dynamic range conversion image into a desired image is performed in a favorable manner.

5 A setting unit sets a plurality of items of knee position information about a conversion from a first dynamic range image into a second dynamic range image. An encoding unit encodes the second dynamic range image to generate encoded data. A determination unit determines priority order of the plurality of items of knee position information. An adding unit adds
10 the plurality of items of knee position information to the encoded data of the second dynamic range image, with the priority order given to the plurality of items of knee position information.