Claims

1. An image decoding device comprising:

a variable length decoding means for performing a variable length decoding process on a coded bitstream to obtain a predicted signal generating parameter, a compressed difference image and filtering information; and

a filtering means for performing a filtering process on a decoded image obtained by adding a predicted image generated using said predicted signal generating parameter to a decoded difference image obtained by decompressing said compressed difference image, based on said filtering information,

wherein said variable length decoding means performs a variable length decoding process on information associated with plurality of blocks which comprise said decoded image, said information being identification information which specifies for each of said blocks comprising said decoded image whether said filtering process is to be performed or not,

wherein said filtering means determines a class for each pixel comprising said decoded image according to thresholds, to perform a filtering process on each pixel comprising said decoded image based on a filter which is derived to a determined class and does not perform a filtering process on a block of which said identification information specifies said filtering process should not be performed, and

wherein a unit for determining said class is different from said block corresponding to information that specifies said filtering process should not be performed or not.

2. An image encoding device comprising:

a prediction means for performing a prediction process on each of blocks of inputted image to obtain a plurality of prediction images and predicted signal generating parameters on the blocks;

a compression means for performing a compressing process on a difference image between said prediction image and said inputted image to obtain a compressed difference image;

a filtering means for performing a filtering process on a decoded image obtained by adding a predicted image generated using said predicted signal generating parameter to a decompressed difference image generated by decompressing said compressed difference image; and

a variable length encoding means for performing a variable length encoding process on said predicted signal generating parameter, said compressed difference image and filtering information for use in said filtering process,

wherein said variable length encoding means performs a variable length decoding process on information associated with plurality of blocks which comprise said decoded image, said information being identification information which specifies for each of said blocks comprising said decoded image whether said filtering process is to be performed or not,

wherein said filtering means determines a class for each pixel comprising said decoded image according to thresholds, to perform a filtering process on each pixel comprising said decoded image based on a filter which is derived to a determined class and does not perform a filtering process on a block of which the identification information specifies said filtering process should not be performed, and

wherein a unit for determining said class is different from said block corresponding to information that specifies said filtering process should not be performed or not.