

IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD, AND
PROGRAM

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ABSTRACT

The present technology relates to an image processing device, an image processing method, and a program capable of reducing the amount of processing required for ROT and DCT or inverse DCT and inverse ROT.

10 Image information obtained by decoding an encoded image is dequantized to obtain a low frequency component of the image information, which is obtained by a first orthogonal transform unit, and to obtain a frequency component higher than the low frequency component of the

15 image information, which is obtained by a second orthogonal transform unit. The low frequency component and the high frequency component are subjected to an inverse orthogonal transform according to the same method. The present technology can be applied when

20 encoding and decoding images, for example.

Figure 5