

IMAGE ENCODING AND DECODING METHOD AND APPARATUS

ABSTRACT

This application provides an image encoding and decoding method and apparatus. The image encoding method in this application includes: obtaining a to-be-processed first image feature; performing non-linear transformation processing on the first image feature to obtain a processed image feature, where the non-linear transformation processing sequentially includes a first non-linear operation, convolution processing, and an element-wise multiplication operation; and performing encoding based on the processed image feature to obtain a bitstream. This application can avoid limitation on a convolutional parameter, to implement efficient non-linear transformation processing in an encoding/decoding network, and further improve rate-distortion performance of an image/video compression algorithm.

Figure 9