

## DECODING METHOD AND APPARATUS, AND DEVICE

### ABSTRACT

Provided in the present disclosure are a decoding method and apparatus, and a device. The method comprises: decoding a code stream corresponding to the current image block, so as to obtain a target feature corresponding to the current image block; determining a first input feature of a target decoding network on the basis of the target feature; acquiring a target feature value quantization bit width and a target feature value quantization hyper-parameter of the target decoding network, and converting the first input feature into a second input feature on the basis of the target feature value quantization bit width and the target feature value quantization hyper-parameter; processing the second input feature on the basis of an integer weight of the target decoding network, so as to obtain an output feature of the target decoding network, wherein the integer weight is determined on the basis of a target weight quantization bit width and a target weight quantization hyper-parameter; and on the basis of the output feature of the target decoding network, determining a reconstructed image block corresponding to the current image block. By means of the technical solution of the present disclosure, the decoding calculation amount can be reduced on the premise of ensuring the decoding quality.

FIG. 2