

DECODING AND ENCODING METHOD, APPARATUS, AND DEVICE THEREOF

ABSTRACT

The present application provides a decoding and encoding method, an apparatus, and a device thereof. The decoding method comprises: decoding a code stream corresponding to a current image block to obtain coefficient hyperparametric features; on the basis of the coefficient hyperparametric features, determining probability distribution parameters, and on the basis of the probability distribution parameters, decoding another stream of the current image block to obtain reconstructed features; inputting the reconstructed features into a synthetic transformation network to obtain reconstructed image blocks; wherein the synthetic transformation network comprises an attention module, and the attention module is a cascaded mixed attention module; the cascaded mixed attention module comprises a first attention submodule and a second attention submodule, and the first attention submodule and the second attention submodule are connected in series.

FIG. 3