

ABSTRACT

This application provides an encoding and decoding method, apparatus, and device. The method comprises: if characteristic information of a current block meets a specific condition, performing the following steps to acquire a target prediction value of the current block or a sub-block of the current block: determining a first original prediction value based on first unidirectional motion information of the current block, and determining a second original prediction value based on second unidirectional motion information of the current block; determining a horizontal velocity based on the first original prediction value and the second original prediction value; determining a vertical velocity based on the first original prediction value and the second original prediction value; acquiring a prediction compensation value based on the horizontal velocity and the vertical velocity; and acquiring the target prediction value based on the first original prediction value, the second original prediction value and the prediction compensation value. By means of the technical solution of the present application, the encoding performance can be improved.