VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING METHOD

ABSTRACT

Embodiments of the present invention provide a video encoder, a video decoder, and a corresponding method. The method includes: when a plurality of preset conditions are satisfied, performing bi-directional optical flow BDOF processing on a current picture block, to obtain a predicted sample value of the current picture block, where the plurality of preset conditions include at least a condition that a size of the current picture block satisfies a first preset size, and that a size of the current picture block satisfies a first preset size includes: a height H of the current picture block is greater than or equal to 8, and when a product of a width W and the height H of the current picture block is equal to 64, the width W is not equal to the height H; reconstructing the current picture block based on at least the predicted sample value of the current picture block; and encoding a syntax element into a to-be-transmitted bitstream, where the syntax element is at least used to indicate that bi-directional prediction is applied for the current picture block. According to the embodiments of the present invention, encoding/decoding complexity and prediction accuracy can be balanced to some extent.

Fig. 7