

VIDEO IMAGE ENCODING AND DECODING METHOD, APPARATUS, AND DEVICE

ABSTRACT

The present invention provides a video image decoding method. In the method, a
5 size of an affine motion compensation image sub-block in an affine image block is
determined based on a motion vector difference, motion vector precision, a distance
between control points in the affine image block, and a size of the affine image block,
where the size includes a length in a horizontal direction and a length in a vertical
direction, so that a length of the affine image block in a horizontal/vertical direction is
10 an integer multiple of the length of the affine motion compensation image sub-block in
the horizontal/vertical direction; and finally, decoding processing is performed on the
affine image block based on the size of the affine motion compensation image sub-
block. According to the method, the size of the affine motion compensation image sub-
block in the affine image block can be adaptively adjusted to an optimal size based on
15 an attribute of the affine image block. In this way, decoding quality can be ensured,
decoding complexity can be reduced, and decoding efficiency can be effectively
improved.

20 Figure 7