

ABSTRACT

Disclosed are a decoding method based on an adaptive intra-frame refreshing mechanism, an encoding method based on an adaptive intra-frame refresh mechanism, and a related device, which belong to the field of video encoding and decoding. In the embodiments of the present application, an adaptive intra-frame video refreshing extension number and virtual boundary location mark information are newly added to extended data in a code stream of the current frame. In this way, since virtual boundary location mark information can indicate the location of a virtual boundary, and the virtual boundary is at least used for distinguishing between a refreshed area and a non-refreshed area in the current frame, when dividing the refreshed area of the current frame, an encoding terminal can arbitrarily set the virtual boundary on the basis of actual demands, and indicate the location of the virtual boundary by means of the virtual boundary location mark information, thereby effectively improving the flexibility of area division.

[Fig. 6]