Abstract

The present invention discloses a method and an apparatus for encoding a video and a method and an apparatus for decoding a video, which generates a recovered image of which error compared to an original image is minimized. Disclosed is the method for decoding the video including sample adaptive offset (SAO) adjustment, comprising: obtaining a slice SAO parameter of a current slice from a slice header of a bitstream which is received; obtaining luma SAO usage information for a luma component of the current slice from among the slice SAO parameters, and chroma SAO usage information for chroma components; determining whether to perform an SAO adjustment on the luma component of the current slice on the basis of the luma SAO usage information; and determining the same result for whether to perform the SAO adjustment on a first chroma component and a second chroma component of the current slice on the basis of the chroma SAO usage information.

Fig. 2A