

pre-deblocking data in the IntraBC mode.

12. The method of Claim 11, wherein a flag or an address range is used to identify whether stored data in said at least one cache line group are the reference frame data for the Inter prediction mode or the pre-deblocking data for the IntraBC mode.

13. The method of Claim 11, wherein if a total cache line number of said at least one cache line group for one mode of the Inter prediction mode and the IntraBC mode exceeds a threshold, at least one cache line of the cache line group is flushed to release resource for another mode.

14. The method of Claim 13, the threshold is determined adaptively according to a coding condition.

15. The method of Claim 14, the threshold is set to zero for the Inter prediction mode if blocks encoded or decoded are in an Intra slice.

16. The method of Claim 3, further comprising using a motion estimation unit used for the Inter prediction mode in an encoder side or a motion compensation unit used for the Inter prediction mode in a decoder side to perform pixel reconstruction in the IntraBC mode, wherein the motion estimation unit or the motion compensation unit generates a prediction block using reference pixels in a previous picture and a motion vector.

17. The method of Claim 16, wherein previous pre-deblocking reconstruction video data in the current picture are used as reference pixels and a block vector is used as the motion vector to generate the prediction block for the IntraBC mode.

18. A video encoder or decoder using coding modes including an Intra Block Copy (IntraBC) mode, comprising one or more electronic circuits or a processor configured to:

store at least partial pre-deblocking reconstructed video data of a current picture in an