

SAMPLE IDENTIFICATION FOR INTRA BLOCK COPY IN VIDEO CODING

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a national phase of International Application No. PCT/CN2020/100992, filed on July 09, 2020, which claims the priority to and benefits of International Patent Application No. PCT/CN2019/095504, filed on July 10, 2019. For all purposes under the law, the entire disclosures of the aforementioned applications are incorporated by reference as part of the disclosure of this application.

TECHNICAL FIELD

[0002] This patent document relates to video coding and decoding techniques, devices and systems.

BACKGROUND

[0003] In spite of the advances in video compression, digital video still accounts for the largest bandwidth use on the internet and other digital communication networks. As the number of connected user devices capable of receiving and displaying video increases, it is expected that the bandwidth demand for digital video usage will continue to grow.

SUMMARY

[0004] The present document describes various embodiments and techniques for buffer management and block vector coding for intra block copy mode for decoding or encoding video or images.

[0005] In one example aspect, a method of visual media processing is disclosed. The method includes determining, for a conversion between a current video block of a current picture of a visual media data and a bitstream representation of the current video block, a block vector (BVx, BVy), wherein validity of the block vector (BVx, BVy) is independent of (1) a location (P, Q) of a sample block and/or (2) whether a sample at the location (P, Q) is reconstructed, and/or (3) a location of the current video block, wherein, the block vector (BVx, BVy) represents a pixel displacement between the current video block and the sample block; and performing, using the block vector, the conversion in an intra block copy mode which is based on a reconstructed block located in same video region with the current video block comprising reference samples used for deriving a prediction block of the current video block, wherein, during the conversion, a prediction sample with a location (A, B) from reference samples in a buffer is determined at least according to a size of the buffer and/or the block vector (BVx, BVy).