

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

Document: JVET-AH0059

MPEG: m67125

34th Meeting, Rennes,FR, 17-24 April 2024

Title: AHG12: Temporal BV for IBC merge list construction

Status: Input document to JVET

Purpose: Proposal

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Abstract

This proposal adds temporal BV candidates to the IBC-merge list after the non-adjacent BV candidates. The proposed method is implemented on top of the ECM-12.0 reference software. The simulation results are reported as follows:

RA: Class F -0.03%/-0.01%/-0.14%; Class TGM -0.58%/-0.52%/-0.66%.

LB: Class F -0.xx%/-0.xx%/-0.xx%; Class TGM -0.xx%/-0.xx%/-0.xx%.

Introduction

In ECM, the IBC merge list is constructed from spatial candidates, non-adjacent candidates, HBVP candidates, ARBVP candidates, pairwise average candidates, and some predefined BV candidates. However, temporal BV candidates are not utilized. On the other hand, the temporal motion vector prediction (TMVP) is utilized for the inter merge mode. In JVET-AD0095 [1], an EE test was conducted to test adding temporal BV candidates to the IBC merge list. In this proposal, more temporal positions are proposed to improve the performance of the IBC merge mode.

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ABSTRACT

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CITATION

L. Xu, Y. Yu, H. Yu, D. Wang, N. Zhang, K. Zhang, L. Zhang, "AHG12: Temporal BV for IBC merge list construction", JVET-AH0059, 34th Meeting: Rennes, FR, April 2024.