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Title: [VCM] Cross-check of m71111

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Abstract

This document presents the results of crosschecking the “Retargeting process using common interpolation method with spatial resampling process” [1].

1. Procedure description

We have downloaded and launched the software from the Gitlab repository provided by the proponent [1]. According to the proponent’s instruction, we have performed the decoding of the anchor bitstreams using proposed code.

The evaluation was done sing the machines with the following specification:

Processor: Intel Core i7-12700K

RAM: 32 GB

GPU: nVidia RTX 4090.

Operating System: Ubuntu 22.04 (updated)

2. Cross-check results and comments

The detailed cross-check results and comparison with the original m71111 results [1] can be found in the attached excel file. All the bitrates match, since only the anchor bitstreams have been used.

All the metric values match.

The cross-check can be summarized as positive.

References

- [1] Kenta Iida, Tatsuji Moriyoshi, Keiichi Chono (NEC Corporation), “[VCM] Retargeting process using common interpolation method with spatial resampling process”, doc. m71111, January 2025, Geneva.