

ABSTRACT

High Efficiency Video Coding (HEVC) has improved the coding efficiency as compared with previous standards. Among all of the compression tools, motion estimation (ME) is a key element for eliminating the inter-frame redundancies. However, the computation in ME is so high to locate the matching block with the minimal rate-distortion (RD) cost. Test Zone search, TZ-Search, is one of inter prediction in HEVC reference software in HM, the test software for HEVC. It has eight point square search, raster search and two point search. In this project, we tested its performance under different test sequences and quantization parameters (QPs) setting.