

**Recommendations:****Increase execution time:**

Application execution time is too short. Metrics data may be unreliable. Consider reducing the sampling interval or increasing your application execution time.

**Elapsed Time:** 0.516s

Application execution time is too short. Metrics data may be unreliable. Consider reducing the sampling interval or increasing your application execution time.

**CPU Time:** 0.498s  
**Memory Bound:** 5.3% of Pipeline Slots  
**L1 Bound:** 7.0% of Clockticks  
**L2 Bound:** 0.0% of Clockticks  
**L3 Bound:** 1.4% of Clockticks  
**DRAM Bound:** 0.0% of Clockticks  
**DRAM Bandwidth Bound:** 0.0% of Elapsed Time  
**Store Bound:** 0.0% of Clockticks  
**Loads:** 824,424,732  
**Stores:** 420,012,600  
**LLC Miss Count:** 0  
**Average Latency (cycles):** 10  
**Total Thread Count:** 1  
**Paused Time:** 0s

**Bandwidth Utilization:**

Bandwidth Domain	Platform Maximum	Observed Maximum	Average	% of Elapsed Time with High BW Utilization(%)
DRAM, GB/sec	10	4.300	0.659	0.0%

**Collection and Platform Info:**

**Application Command Line:** ./codecs/hhi-vvc-codec/encoder/vvencFFapp "-c" "./configs/hhi-vvc-codec/randomaccess\_fast.cfg" "-i" "./sequences/CLASS\_B/BasketballPass\_416x240\_50.yuv" "-wdt" "416" "-hgt" "240" "-b" "./bin/hhi-vvc-codec/randomaccess\_fast.cfg/CLASS\_B/BasketballPass\_416x240\_50\_QP\_37\_hhi-vvc-codec.bin" "-o" "./rec\_yuv/hhi-vvc-codec/randomaccess\_fast.cfg/CLASS\_B/BasketballPass\_416x240\_50\_QP\_37\_hhi-vvc-codec.yuv" "-fr" "50" "-fs" "0" "-f" "2" "-q" "37"

**User Name:** root

**Operating System:** 5.4.0-62-generic DISTRIB\_ID=Ubuntu  
DISTRIB\_RELEASE=18.04 DISTRIB\_CODENAME=bionic  
DISTRIB\_DESCRIPTION="Ubuntu 18.04.5 LTS"

**Computer Name:** eimon

**Result Size:** 12.6 MB

**Collection start time:** 22:46:26 01/02/2021 UTC

**Collection stop time:** 22:46:26 01/02/2021 UTC

**Collector Type:** Event-based sampling driver

**CPU:**

**Name:** Intel(R) Processor code named Kabylake  
ULX

**Frequency:** 1.992 GHz

**Logical CPU Count:** 8

**Max DRAM Single-Package Bandwidth:** 10.000 GB/s

**Cache Allocation Technology:**

**Level 2 capability:** not detected

**Level 3 capability:** not detected