

**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:** 0.048s

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

**CPU Time:** 0.035s  
**Memory Bound:** 18.6% of Pipeline Slots  
**L1 Bound:** 11.4% of Clockticks  
**L2 Bound:** 0.0% of Clockticks  
**L3 Bound:** 0.0% of Clockticks  
**DRAM Bound:** 5.7% of Clockticks  
**DRAM Bandwidth Bound:** 0.0% of Elapsed Time  
**Store Bound:** 0.0% of Clockticks  
**Loads:** 15,840,000  
**Stores:** 7,080,000  
**LLC Miss Count:** 0  
**Average Latency (cycles):** 16  
**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	11	2.700	1.448	0.0%

**Collection and Platform Info:**

**Application Command Line:** ./codecs/HM/decoder/TAppDecoderStatic "-b" "./bin/HM/encoder\_lowdelay\_main.cfg/CLASS\_C/RaceHorses\_416x240\_30\_QP\_37\_HM.bin"

**User Name:** root

**Operating System:** 5.4.0-72-generic DISTRIB\_ID=Ubuntu  
DISTRIB\_RELEASE=18.04 DISTRIB\_CODENAME=bionic  
DISTRIB\_DESCRIPTION="Ubuntu 18.04.5 LTS"

**Computer Name:** eimon

**Result Size:** 13.2 MB

**Collection start time:** 22:23:31 18/04/2021 UTC

**Collection stop time:** 22:23:31 18/04/2021 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:** 11.000 GB/s

**Cache Allocation Technology:**

**Level 2 capability:** not detected

**Level 3 capability:** not detected

**Intel® oneAPI VTune™ Profiler 2021.1.1 Gold**

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**Elapsed Time:** 0.035s

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

**CPU Time:** 0.023s  
**Memory Bound:** 9.0% of Pipeline Slots  
**L1 Bound:** 0.0% of Clockticks  
**L2 Bound:** 0.0% of Clockticks  
**L3 Bound:** 5.9% of Clockticks  
**DRAM Bound:** 0.0% of Clockticks  
**DRAM Bandwidth Bound:** 0.0% of Elapsed Time  
**Store Bound:** 0.0% of Clockticks  
**Loads:** 15,480,000  
**Stores:** 7,560,000  
**LLC Miss Count:** 0  
**Average Latency (cycles):** 11  
**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	2.300	1.449	0.0%

#### Collection and Platform Info:

**Application Command Line:** ./codecs/HM/decoder/TAppDecoderStatic "-b" ".bin/HM/encoder\_lowdelay\_main.cfg/CLASS\_C/RaceHorses\_416x240\_30\_QP\_37\_HM.bin"

**User Name:** root

**Operating System:** 5.4.0-72-generic DISTRIB\_ID=Ubuntu  
 DISTRIB\_RELEASE=18.04 DISTRIB\_CODENAME=bionic  
 DISTRIB\_DESCRIPTION="Ubuntu 18.04.5 LTS"

**Computer Name:** eimon

**Result Size:** 12.7 MB

**Collection start time:** 07:43:00 19/04/2021 UTC

**Collection stop time:** 07:43:00 19/04/2021 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