Intel® oneAPI VTune™ Profiler 2021.1.1 Gold

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: 0.057s

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

CPU Time:	0.043s
Memory Bound:	6.3% of Pipeline Slots
L1 Bound:	0.0% of Clockticks
L2 Bound:	5.0% of Clockticks
L3 Bound:	5.0% of Clockticks
DRAM Bound:	0.0% of Clockticks
DRAM Bandwidth Bound:	0.0% of Elapsed Time
Store Bound:	0.0% of Clockticks
Loads:	17,520,000
Stores:	9,120,000
LLC Miss Count:	0
Average Latency (cycles):	12
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	0.600	0.352	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_32_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: 12.9 MB

Collection start time: 20:49:54 18/04/2021 UTC

Collection stop time: 20:49:55 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: 10.000 GB/s

    Cache Allocation Technology:
        Level 2 capability: not detected

        Level 3 capability: not detected

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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: 0.051s

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

CPU Time:	0.038s
Memory Bound:	5.3% of Pipeline Slots
L1 Bound:	4.6% of Clockticks
L2 Bound:	4.6% of Clockticks
L3 Bound:	4.6% of Clockticks
DRAM Bound:	0.0% of Clockticks
DRAM Bandwidth Bound:	0.0% of Elapsed Time
Store Bound:	0.0% of Clockticks
Loads:	19,080,000
Stores:	9,480,000
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	1.100	0.785	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_32_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: 13.6 MB

Collection start time: 21:02:12 18/04/2021 UTC

Collection stop time: 21:02:12 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: 10.000 GB/s

Cache Allocation Technology:
    Level 2 capability: not detected

    Level 3 capability: not detected