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: 0.067s

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

CPU Time:	0.052s
Memory Bound:	4.2% of Pipeline Slots
L1 Bound:	10.4% of Clockticks
L2 Bound:	0.0% of Clockticks
L3 Bound:	3.5% of Clockticks
DRAM Bound:	3.5% of Clockticks
DRAM Bandwidth Bound:	0.0% of Elapsed Time
Store Bound:	0.0% of Clockticks
Loads:	27,360,000
Stores:	13,680,000
LLC Miss Count:	0
Average Latency (cycles):	8
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	0.149	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_22_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: 13.1 MB

Collection start time: 20:47:30 18/04/2021 UTC

Collection stop time: 20:47:30 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: 0.055s

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

CPU Time:	0.042s	
Memory Bound:	7.4% of Pipeline Slots	
L1 Bound:	10.2% of Clockticks	
L2 Bound:	0.0% of Clockticks	
L3 Bound:	3.4% of Clockticks	
DRAM Bound:	0.0% of Clockticks	
DRAM Bandwidth Bound:	0.0% of Elapsed Time	
Store Bound:	0.0% of Clockticks	
Loads:	29,640,000	
Stores:	11,400,000	
LLC Miss Count:	0	
Average Latency (cycles):	8	
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	0.700	0.546	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_22_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: 20:57:33 18/04/2021 UTC

Collection stop time: 20:57:33 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: 0.037s

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

  CPU Time: 0.027s
  Memory Bound: 7.8% of Pipeline Slots
    L1 Bound: 6.2% of Clockticks
    L2 Bound: 3.1% of Clockticks
    L3 Bound: 0.0% of Clockticks
    DRAM Bound: 3.1% of Clockticks
      DRAM Bandwidth Bound: 0.0% of Elapsed Time
    Store Bound: 0.0% of Clockticks
  Loads: 29,520,000
  Stores: 12,720,000
  LLC Miss Count: 0
  Average Latency (cycles):   8
  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	6.400	4.094	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_22_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: 18.5 MB

Collection start time: 21:00:14 18/04/2021 UTC

Collection stop time: 21:00:14 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