a

Bind threads to processors Report

Binpacker Analysis Report

Warning! Bus standard_bus is missing Transmission Time property. Using default of 1.0E-5
Warning! Device camera_sensor is missing period property. Using default of 1 ns
Warning! Device camera1_sensor is missing period property. Using default of 1 ns
Warning! Device brake is missing period property. Using default of 1 ns
Warning! Device haptic_sensor is missing period property. Using default of 1 ns
Warning! Device infoscreen is missing period property. Using default of 1 ns
Warning! Device stwheel is missing period property. Using default of 1 ns

Binpacking results: Success
Processor Adas_detection_test_Instance.core4 (50.0 MIPS) Load: 90% Available: 10%
Processor Adas_detection_test_Instance.core1 (50.0 MIPS) Load: 43% Available: 57%
Processor Adas_detection_test_Instance.core3 (50.0 MIPS) Load: 43% Available: 57%
Processor Adas_detection_test_Instance.core2 (50.0 MIPS) Load: 38% Available: 62%

Thread to Processor Bindings
Thread Adas_detection_test_Instance.detection_app.camera_cmd_data ==> Processor Adas_detection_test_Instance.core1 Utilization 30.0%
Thread Adas_detection_test_Instance.pedestrian_app.camera_proc_data1 ==> Processor Adas_detection_test_Instance.core1 Utilization 12.5%
Thread Adas_detection_test_Instance.game_app.touch_proc_data ==> Processor Adas_detection_test_Instance.core4 Utilization 60.0%
Thread Adas_detection_test_Instance.lanedetection_app.camera_gaussian_data ==> Processor Adas_detection_test_Instance.core3 Utilization 12.5%
Thread Adas_detection_test_Instance.lanedetection_app.camera_proc_data ==> Processor Adas_detection_test_Instance.core2 Utilization 12.5%
Thread Adas_detection_test_Instance.pedestrian_app.camera_cmd_data1 ==> Processor Adas_detection_test_Instance.core3 Utilization 30.0%
Thread Adas_detection_test_Instance.detection_app.camera_proc_data ==> Processor Adas_detection_test_Instance.core2 Utilization 12.5%

b

Latency analysis with preference settings: AS-MF-DL-EQ-EQL

Latency results for end-to-end flow 'etelatency1' of system 'Adas.detection_test'

Result	Min Specifi	Min Actual	Min Metho	Max Specif	Max Actual	Max Metho	Comments
device cam	0.0ms	0.0ms	no samplin	0.0ms	0.0ms	no sampling/queuing latency	
connection	0.0ms	0.0ms	no samplin	0.0ms	0.0ms	no sampling/queuing latency	
thread det	0.0ms	0.0ms	sampling	0.0ms	40.0ms	sampling	Best case 0 ms worst case 40.0ms (period) sampling delay
thread det	0.0ms	1.0ms	processing	0.0ms	5.0ms	processing	Using execution time as deadline was not set
connection	0.0ms	0.0ms	no samplin	0.0ms	0.0ms	no sampling/queuing latency	
thread det	0.0ms	0.0ms	sampling	0.0ms	40.0ms	sampling	Best case 0 ms worst case 40.0ms (period) sampling delay
thread det	0.0ms	6.0ms	processing	0.0ms	12.0ms	processing	Using execution time as deadline was not set
connection	0.0ms	0.0ms	no samplin	0.0ms	0.0ms	no sampling/queuing latency	
device bral	0.0ms	0.0ms	no samplin	0.0ms	0.0ms	no sampling/queuing latency	
Latency To	0.0ms	7.0ms		0.0ms	97.0ms		
Specified End To End L		70.0ms			120.0ms		
End to end Latency Summary							
WARNING	Minimum specified flow latency total 0.000ms less than expected minimum end to end latency 70.0ms (better response time)						
WARNING	Minimum actual latency total 7.00ms less than expected minimum end to end latency 70.0ms (faster actual minimum response time)						
INFO	Maximum actual latency total 97.0ms is less or equal to expected maximum end to end latency 120.0ms						
WARNING	Jitter of actual latency total 7.00..97.0ms exceeds expected end to end latency jitter 70.0..120.0ms						