Texas Instruments

Test Plan Execution Report

Test Project: VISIONSDK
Test Plan: PSDKV_Test_Plan_3_6_Functional_TDA3xx

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Test Project: VISIONSDK

Project: VISIONSDK Location: TII Owner: Sivasankaran, Shiju

Test Plan: PSDKV_Test_Plan_3_6_Functional_TDA3xx

TDA3xx Functional Test Plan

Will cover all functional test for tda3xx-evm

1.1.Test Suite : Network

1.1.1.Test Suite : TCP/IP

Test Case VISIONSDK-100: NW_Ctrl_cmd_echo			
Summary: Network Control Command "echo"			
Preconditions: verify that host and target can communicate and execute command accordingly Boot with SD card Make network cable connected			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Open command prompt in host PC Execute "echo" command using network_ctrl.exe #network_ctrl --ipaddr <ipaddr> [--port <server port>] --cmd <command string> <command parameters>	EVM should not hang, and network command should work according to command on target side	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm m_nw		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-101: NW_Ctrl_cmd_sys_reset			
Summary: Network Control Command "sys_reset"			
Preconditions: verify that host and target can communicate and execute command accordingly Boot with SD card Make network cable connected			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Open command prompt in host PC	EVM should not hang, and network command should work according to command on target	

	Execute "sys_reset" command using network_ctrl.exe #network_ctrl --ipaddr <ipaddr> [--port <server port>] --cmd <command string> <command parameters>	side	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-102: NW_Ctrl_cmd_qspi_wr			
Summary: Network Control Command "qspi_wr"			
Preconditions: verify that host and target can communicate and execute command accordingly Boot with SD card Make network cable connected			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Open command prompt in host PC Execute "qspi_wr" command using network_ctrl.exe #network_ctrl --ipaddr <ipaddr> [--port <server port>] --cmd <command string> <command parameters>	EVM should not hang, and network command should work according to command on target side	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-103: NW_Ctrl_cmd_mem_rd			
Summary: Network Control Command "mem_rd"			
Preconditions: verify that host and target can communicate and execute command accordingly Boot with SD card Make network cable connected			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Open command prompt in host PC Execute "mem_rd" command using network_ctrl.exe #network_ctrl --ipaddr <ipaddr> [--port <server port>] --cmd <command string> <command parameters>	EVM should not hang, and network command should work according to command on target side	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-104: NW_Ctrl_cmd_mem_wr			
Summary: Network Control Command "mem_wr"			
Preconditions: verify that host and target can communicate and execute command accordingly Boot with SD card Make network cable connected			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Open command prompt in host PC Execute "mem_wr" command using network_ctrl.exe #network_ctrl --ipaddr <ipaddr> [--port <server port>] --cmd <command string> <command parameters>	EVM should not hang, and network command should work according to command on target side	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		

Requirements	ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-105: NW_Ctrl_cmd_mem_save

Summary:

Network Control Command "mem_save"

Preconditions:

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Open command prompt in host PC Execute "mem_save" command using network_ctrl.exe #network_ctrl --ipaddr <ipaddr> [--port <server port>] --cmd <command string> <command parameters>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-106: NW_Rx_Display

Summary:

Network Rx Display UC

Input : RAW frames

Output : HDMI 1080P

Preconditions:

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "Network RX + Display" UC under Network UCs	UC should run without any issues	
3	Open command prompt in host PC & Send RAW frames to target using network_tx.exe # network_tx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1263: Null & NullSrc clean-up to move Networking RX/Tx functionalities to new network_rx and network_tx li ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP ADASVISION-1871: IPv6 support configuration ADASVISION-2016: [networking] A15 performance optimization
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_regression c_stress c_stability m_nw
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-109: SingleCam_Capture_NW_Tx

Summary:

1 Channel capture + Network Tx UC

Preconditions:

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "1CH VIP Capture + Network TX" UC under Network UCs	UC should run without any issues	
3	Open command prompt in host PC & Recieve RAW frames from target using network_rx.exe # network_rx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium

Requirements	ADASVISION-1263: Null & NullSrc clean-up to move Networking RX/Tx functionalities to new network_rx and network_tx li ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP ADASVISION-1696: Improve error diagnostic information in network_rx for the network tools
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_regression m_nw
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-110: MultiCam_Capture_NW_Tx

Summary:

4 Channel VIP capture + Network Tx UC

Preconditions:

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "4CH VIP Capture + Network TX" UC under Network UCs	UC should run without any issues	
3	Open command prompt in host PC & Recieve RAW frames from target using network_rx.exe # network_rx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1610: Network RX and TX support on M4 Bios using NDK/NSP ADASVISION-1611: Network RX and TX support on A15 Bios using NDK/NSP ADASVISION-1696: Improve error diagnostic information in network_rx for the network tools
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.1.2.Test Suite : TFDTP

Test Case VISIONSDK-234: NW_Rx_Display_TFDTP			
Summary: Network Rx Display UC using TFDTP Input : RAW frames Output : HDMI 1080P			
Preconditions: Binaries should be built with NSP_TFDTP_INCLUDE=yes verify that host and target can communicate and execute command accordingly Boot with SD card Make network cable connected			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "Network RX + Display" UC under Network UCs	UC should run without any issues	
3	Select TFDTP	TFDTP should be selected	
4	Open command prompt in host PC & Send RAW frames to target using network_tx.exe # network_tx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1135: TFDTP integration with VSDK ADASVISION-1181: Retransmit support in TFDTP receive ADASVISION-1183: TFDTP support on A15 ADASVISION-2016: [networking] A15 performance optimization		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-237: SingleCam_Capture_NW_Tx_TFDTP
Summary: Single Channel capture + Network Tx UC using TFDTP
Preconditions: Binaries should be built with NSP_TFDTP_INCLUDE=yes

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "1CH VIP Capture + Network TX" UC under Network UCs	UC should run without any issues	
3	Select TFDTP	TFDTP should be selected	
4	Open command prompt in host PC & Recieve RAW frames from target using network_rx.exe # network_rx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1135: TFDTP integration with VSDK ADASVISION-1696: Improve error diagnostic information in network_rx for the network tools
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-238: MultiCam_Capture_NW_Tx_TFDTP

Summary:

4 Channel VIP capture + Network Tx UC using TFDTP

Preconditions:

Binaries should be built with NSP_TFDTP_INCLUDE=yes

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "4CH VIP Capture + Network TX" UC under Network UCs	UC should run without any issues	
3	Select TFDTP	TFDTP should be selected	
4	Open command prompt in host PC & Recieve RAW frames from target using network_rx.exe # network_rx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1135: TFDTP integration with VSDK ADASVISION-1696: Improve error diagnostic information in network_rx for the network tools

Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-329: TFDTP_Rx_Display

Summary:

TFDTP Rx Display UC

Input : RAW frames

Output : HDMI 1080P

Preconditions:

Binaries should be built with NSP_TFDTP_INCLUDE=yes

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "TFDTP RX + Display" UC under Network UCs	UC should run without any issues	
3	Open command prompt in host PC & Send RAW frames to target using network_tx.exe # network_tx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1135: TFDTP integration with VSDK ADASVISION-1181: Retransmit support in TFDTP receive
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-330: Multi_Plane_MetaData_Buffer_NW_Tx_TFDTP

Summary:

Single Channel capture + Network Tx UC using TFDTP

Preconditions:

Binaries should be built with NSP_TFDTP_INCLUDE=yes

verify that host and target can communicate and execute command accordingly

Boot with SD card

Make network cable connected

#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM	EVM boots without any error and usecase menu displayed	
2	Run "1CH VIP Capture + Network TX" UC under Network UCs	UC should run without any issues	
3	Select TFDTP	TFDTP should be selected	
4	Open command prompt in host PC & Recieve RAW frames from target using network_rx.exe # network_rx --host_ip <ipaddr> --target_ip <ipaddr> [--port <server port> --usetfdtp --verbose --no_loop --delay <delay in secs>] --files <CH0 file> <CH1 file>	EVM should not hang, and network command should work according to command on target side	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1135: TFDTP integration with VSDK ADASVISION-1694: Null Link to support network TFDTP transfer for multi-plane Meta data buffer ADASVISION-1696: Improve error diagnostic information in network_rx for the network tools
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.2.Test Suite : FastBoot

Test Case VISIONSDK-118: Fast_Boot_AR140_Sensor_10inch_LCD			
Summary: Fast Boot UC - 1CH ISS Capture + ISP + LDC + Obj detect + Display Capture - AR140 sensor Display - 10 inch LCD Binaries - TDA3xx FastBoot QSPI Binaries			
Preconditions: Verify I2C to run at 400KHz Binaries should be built with FAST_BOOT_INCLUDE=yes			
#:	Step actions:	Expected Results:	Execution Status:
1	Follow UserGuide & Flash FastBoot QSPI Binaries on TDA3xx	Flashing should be successfull	
2	Boot EVM	1. Display should flash up with preview in < 1 sec 2. Usecase should switch to Object detect algorithm and Pedestrian / Traffic signs detection should start as soon as they are in field of view after boot up 3.You should see boot time printed on the LCD 4.Display must come up and no buffer drops should be observed	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1349: Fast boot mode ADASVISION-1576: First boot - Boot optimization (TDA3x)		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-119: Fast_Boot_AR140_Sensor_10inch_LCD_RTI			
Summary: Fast Boot UC - 1CH ISS Capture + ISP + LDC + Obj detect + Display Capture - AR140 sensor Display - 10 inch LCD Binaries - TDA3xx FastBoot QSPI Binaries			
Preconditions: Verify I2C to run at 400KHz Verify RTI is enabled in the Build			
#:	Step actions:	Expected Results:	Execution Status:
1	Follow UserGuide & Flash	Flashing should be successfull	

	FastBoot QSPI Binaries on TDA3xx		
2	Boot EVM	1. Display should flash up with preview in < 1 sec 2. Usecase should switch to Object detect algorithm and Pedestrian / Traffic signs detection should start as soon as they are in field of view after boot up 3.You should see boot time printed on the LCD 4.Display must come up and no buffer drops should be observed	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1349: Fast boot mode ADASVISION-1509: RTI support ADASVISION-1576: First boot - Boot optimization (TDA3x)		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-120: Fast_Boot_AR140_Sensor_10inch_LCD_Performance			
Summary: Fast Boot UC - 1CH ISS Capture + ISP + LDC + Obj detect + Display Capture - AR140 sensor Display - 10 inch LCD Binaries - TDA3xx FastBoot QSPI Binaries			
Preconditions: Verify I2C to run at 400KHz			
#:	Step actions:	Expected Results:	Execution Status:
1	Follow UserGuide & Flash FastBoot QSPI Binaries on TDA3xx	Flashing should be successfull	
2	Boot EVM	1. Display should flash up with preview in < 1 sec 2. Usecase should switch to Object detect algorithm and Pedestrian / Traffic signs detection should start as soon as they are in field of view after boot up 3.You should see boot time printed on the LCD 4.Display must come up and no buffer drops should be observed	
3	Check Performance stats for 1. SBL time 2. Sensor initialization time with I2C 400 KHz 3. Time take by Framework 4. Power On Reset to Display Time 5. Power On to reset to Object Detect 6. Low power load	Performance stats should match with datasheet of release binaries	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1349: Fast boot mode ADASVISION-1576: First boot - Boot optimization (TDA3x)		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		

Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.3.Test Suite : SRV

1.3.1.Test Suite : VIP_SRV

1.3.1.1.Test Suite : 2D_SRV

Test Case VISIONSDK-124: VIP_2D_SRV_OV10635_913deser			
Summary: VIP 2D SRV UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 with 913/914 deserializer Output : HDMI 1080P (TDA2x/TDA2Ex) , HDMI XGA TDM mode (TDA3x ONLY)			
Preconditions: In case of TDA2x/TDA2Ex: Ensure TDA2x folder present in SD card with CHARTPOS.BIN & LENS_2D.BIN Run SRV calibration to genearte PERSMAT.BIN if required In case of TDA3x: Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS_2D.BIN Run SRV calibration to genearte LUT.BIN if required Verify whether display shows a smooth stitching of all 4 cameras. All running at 30fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P (TDA2x/TDA2Ex), HDMI XGA TDM mode (TDA3x ONLY)	Capture Source shuld be OV10635 & Display device as HDMI 1080P (TDA2x/TDA2Ex), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "4CH VIP Capture + Surround View (DSP) + Display (HDMI)" UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1275: VIP Capture Link to support Multi channel capture ADASVISION-1280: VIP Capture Link to support Inline scaling both down scale and upscale ADASVISION-1290: VIP Capture Link - Detect VIP port overflow & Reset ADASVISION-1295: Display Link support for various input data formats ADASVISION-1300: Display Link - Video window positioning support ADASVISION-1308: Display Link - support for custom resolutions ADASVISION-1321: Display Link - Support 8-bit TDM mode display ADASVISION-1582: Shall support LVDS multi-channel capture upto 4 channel ADASVISION-1584: Shall support all the Bios single multi camera usecases which use one DSP & M4 ADASVISION-830: For all SRV - DSP load optimization using SIMD		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_regression c_qualification m_capture m_display		

Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-146: VIP_2D_SRV_OV10635_913deser_without_TDAXX_Folder

Summary:

VIP 2D SRV UC supported on TDA2x/TDA2Ex/TDA3x

Input : OV10635 with 913/914 deserializer

Output : HDMI 1080P (TDA2x/TDA2Ex) , HDMI XGA TDM mode (TDA3x ONLY)

Preconditions:

In case of TDA2x/TDA2Ex:

Ensure TDA2x folder not present in SD card

In case of TDA3x:

Ensure TDA3x folder not present in SD card

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P (TDA2x/TDA2Ex), HDMI XGA TDM mode (TDA3x ONLY)	Capture Source shuld be OV10635 & Display device as HDMI 1080P (TDA2x/TDA2Ex), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "4CH VIP Capture + Surround View (DSP) + Display (HDMI)" UC	Display must come up and no buffer drops should be observe	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1275: VIP Capture Link to support Multi channel capture ADASVISION-830: For all SRV - DSP load optimization using SIMD
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.3.2.Test Suite : CAL_SRV

1.3.2.1.Test Suite : 2D_SRV

Test Case VISIONSDK-128: ISS_2D_SRV_960/964deser			
Summary: ISS 2D SRV UC Input : IMI OV10640 / TIDA AR140 with 960 deserializer or OV10635 with 964 deserializer Output : HDMI 1080P Binaries: 512MB & 128MB			
Preconditions: Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN Run SRV calibration UC if required to generate LUT.BIN Verify whether display shows a smooth stitching of all 4 cameras. All running at 30fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Run "4CH ISS capture + ISS ISP + Simcop + Surround View (DSP1) + Display" UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1396: 4ch 2D surround view with OV10640 Bayer sensors ADASVISION-1579: low cost surround view with TDA3x		
Keywords:	tda3xx-evm tda3xx_rvp c_qualification m_iss		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-130: ISS_2D_SRV_960/964deser_AE_AWB

Summary:

ISS 2D SRV UC

Input : IMI OV10640 / TIDA AR140 with 960 deserializer

or OV10635 with 964 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 1 PASS WDR	Selected ISS settings will be saved	
3	Run "4CH ISS capture + ISS ISP + Simcop + Surround View (DSP1) + Display" UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low.	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1579: low cost surround view with TDA3x
Keywords:	tda3xx-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-148: ISS_2D_SRV_960/964deser_without_TDA3X_Folder

Summary:

ISS 2D SRV UC

Input : IMI OV10640 / TIDA AR140 with 960 deserializer

or OV10635 with 964 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder not present in SD card

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Run "4CH ISS capture + ISS ISP + Simcop + Surround View (DSP1) + Display" UC	Display must come up and no buffer drops should be observe	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1167: Error handling requirements ADASVISION-1526: Error handling ADASVISION-1579: low cost surround view with TDA3x
Keywords:	tda3xx-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.3.2.2.Test Suite : 3D_SRV

Test Case VISIONSDK-131: ISS_3D_SRV_960/964deser

Summary:

ISS 3D SRV UC

Input : IMI OV10640 / TIDA AR140 / TIDA AR143 with 960/964 deserializer

or OV10635 with 964 deserializer

Output : HDMI 1080P

Binaries: 512MB & 128MB

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)"	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user	

	& Display Output as HDMI 1080P	& Display device as HDMI 1080P	
2	Run "3D SRV 4CH ISS capture + ISS ISP + DeWarp + Synthesis (DSP1) + Display" UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium

Requirements	ADASVISION-1037: TDA3x 3D SRV: Improve imaging for SRV with Improve AE stability & Integrate Photometric alignment ADASVISION-1068: TDA3x 3D SRV : Auto calculate number of slice parameters ADASVISION-1069: TDA3c 3D SRV: Lens type : Distortion table ADASVISION-1071: TDA3x 3D SRV : Boot time optimization ADASVISION-1087: Support synchronization of camera in UB964 ADASVISION-1090: Update TI logo ADASVISION-1257: AR0143 Sensor Support ADASVISION-1295: Display Link support for various input data formats ADASVISION-1298: Display Link - Progressive mode display ADASVISION-1300: Display Link - Video window positioning support ADASVISION-1304: Display Link - Display Multi instance support ADASVISION-1306: Display Link - HDMI display support ADASVISION-1307: Display Link - Support for standard display resolutions ADASVISION-1308: Display Link - support for custom resolutions ADASVISION-1309: Display Link - Blending support of Grpx and Video planes ADASVISION-1310: Display Link - Blending support for Video planes ADASVISION-1311: Display Link - Color keying support ADASVISION-1312: Display Link - Set back Ground Color of VENC ADASVISION-1317: Display Link - Transparency Color Key Selection support ADASVISION-1318: Display Link - VENC section ADASVISION-1324: multi sensors support ADASVISION-1325: support LVDS capture ADASVISION-1326: Support OV10640 Raw/Bayer sensors ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1458: ISS capture - CSI2 mode ADASVISION-1459: ISS capture - resolution ADASVISION-1461: ISS capture - packing ADASVISION-1466: ISS multi-channel capture ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1471: ISS M2M -ISP - NF ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1474: ISS M2M -ISP multiple instance ADASVISION-1475: ISS M2M - H3A ADASVISION-1477: ISS M2M (LDC + VTNF) - LDC selection ADASVISION-1478: ISS M2M (LDC + VTNF) - LDC data format ADASVISION-1479: ISS M2M (LDC + VTNF) - VTNF data format ADASVISION-1480: ISS M2M (LDC + VTNF) - LDC create time config ADASVISION-1481: ISS M2M (LDC + VTNF) - VTNF create time config ADASVISION-1482: ISS M2M (LDC + VTNF) - general ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1486: ISS M2M RSZ - Multi scale (pyramid generation for PD/TSR etc) ADASVISION-1487: ISS M2M RSZ - multi-instance ADASVISION-1488: ISS M2M RSZ - multi-instance with ISP M2M ADASVISION-1489: ISS M2M RSZ - multi-CH ADASVISION-1579: low cost surround view with TDA3x ADASVISION-1606: Algo Link DeWarp for multiple channel LDC correction. ADASVISION-1621: ISS: Capture Link & M2M ISP : Support MIPI RAW 12 dataformat ADASVISION-1643: ISP Based SRV : Split LUT's ADASVISION-1644: ISP Based SRV: Configurable blend seam angle ADASVISION-1645: ISP Based SRV: Configurable blend seam start point ADASVISION-1647: ISP Based SRV: Compression of LUT's ADASVISION-1684: ISP Based SRV: Updated interface of Mesh Generation Tool ADASVISION-1685: ISP Based SRV: Parametric transition between view points ADASVISION-1686: ISP Based SRV: Adaptive bowl support on LDC Surroundview ADASVISION-1687: ISP Based SRV: Compression and reorganization of V2W Table(s) ADASVISION-1688: ISP Based SRV: Generating Car Box Edges/view ADASVISION-1701: AR143 (MARs) Camera and Fusion board support on TDA2Px ADASVISION-1709: TDA3x SRV: Add multi camera harmonization ADASVISION-1786: SerDes cleanup for ISS sensor drivers

	ADASVISION-830: For all SRV - DSP load optimization using SIMD ADASVISION-889: 3D SRV on TDA3x Ã¢Â€Â“ Enhancements ADASVISION-932: TDA3x 3D SRV on 128MB memory map ADASVISION-962: TDA3x 3D SRV: Enabling 2A and WDR
Keywords:	tda3xx-evm tda3xx_rvp c_qualification
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-133: ISS_3D_SRV_960/964deser_360_transition

Summary:

ISS 3D SRV UC

Input : IMI OV10640 / TIDA AR140 with 960 deserializer

or OV10635 with 964 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Run "3D SRV 4CH ISS capture + ISS ISP + DeWarp + Synthesis (DSP1) + Display" UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low.	
3	Check for 3D SRV transition	SRV transition should cover 360 degree	
4	Check User is able to Start/Stop transition Select "s" to Start/Stop transition Select "n" to change to next View Point Select "r" to change to previous View Point	On selecting "s" Transitions should stop On selecting "n" Transition should happen to next view point On selecting "r" Transition should happen to previous view point On selecting "s" again Transition should start normally	
Execution type:	Manual		

Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1036: TDA3x 3D SRV: 360 degree flyaround (Phase 1) ADASVISION-1037: TDA3x 3D SRV: Improve imaging for SRV with Improve AE stability & Integrate Photometric alignment ADASVISION-1068: TDA3x 3D SRV : Auto calculate number of slice parameters ADASVISION-1069: TDA3c 3D SRV: Lens type : Distortion table ADASVISION-1071: TDA3x 3D SRV : Boot time optimization ADASVISION-1527: API config outbound check ADASVISION-1736: Enable AEWB for all 4 Channels for ISS based 3D SRV on TDA2Px and TDA3x ADASVISION-889: 3D SRV on TDA3x Ã¢Â€Â“ Enhancements ADASVISION-962: TDA3x 3D SRV: Enabling 2A and WDR
Keywords:	tda3xx-evm tda3xx_rvp c_integration
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-134: ISS_3D_SRV_960/964deser_Dump_Frames

Summary:

ISS 3D SRV UC

Input : IMI OV10640 / TIDA AR140 with 960 deserializer

or OV10635 with 964 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Run "3D SRV 4CH ISS capture + ISS ISP + DeWarp + Synthesis (DSP1) + Display" UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low.	
3	Select "1" to Save a Captured RAW frame from channel 0 (Will be saved in DDR) Select "2" to Save a DeWarp Output Frame (Will be saved in DDR) Select "3" to Save ISP output frames (Will be saved in MMC/SD : All channels)	On selecting "1" RAW frame from channel 0 should be saved in DDR On selecting "2" DeWarp Output Frame should be saved in DDR	

	Select "d" to Save Display Frame to MMC/SD card	On selecting "3" ISP output frames should be saved in MMC/SD : All channels On selecting "d" Display Frame should be saved to MMC/SD card	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1036: TDA3x 3D SRV: 360 degree flyaround (Phase 1) ADASVISION-1037: TDA3x 3D SRV: Improve imaging for SRV with Improve AE stability & Integrate Photometric alignment ADASVISION-1068: TDA3x 3D SRV : Auto calculate number of slice parameters ADASVISION-1069: TDA3c 3D SRV: Lens type : Distortion table ADASVISION-1071: TDA3x 3D SRV : Boot time optimization ADASVISION-1542: Algorithm Link Support (Framework and Skeleton portion) ADASVISION-1543: Algorithm Link Support for all CPU cores ADASVISION-1544: Algorithm Link Support Prioritization ADASVISION-1545: Algorithm Link Support Multiple instantiation ADASVISION-1546: Algorithm Link Support Multiple input and output queues ADASVISION-1547: Algorithm Link Support Multiple input channels ADASVISION-1548: Algorithm Link Support Out of order release of input and output buffers ADASVISION-1549: Algorithm Link Support Memory allocations ADASVISION-1550: Algorithm Link Support DSP subsystem DMA resource allocations ADASVISION-1551: Algorithm Link Support EVE subsystem DMA resource allocations ADASVISION-1552: Algorithm Link Support System DMA resource allocations ADASVISION-1553: Algorithm Link Support In place computation support ADASVISION-1554: Algorithm Link Support Non-In place computation support ADASVISION-1555: Algorithm Link Support Multiple Algos ADASVISION-1556: Algorithm Link Support Alg Configurations ADASVISION-889: 3D SRV on TDA3x Ã¢Â€Â“ Enhancements ADASVISION-962: TDA3x 3D SRV: Enabling 2A and WDR		
Keywords:	tda3xx-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-135: ISS_3D_2D_SRV_960/964deser

Summary:

ISS 2D + 3D SRV UC

Input : IMI OV10640 / TIDA AR140 / TIDA AR143 with 960/964 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)	

	"AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Run "3D + 2D SRV 4CH ISS capture + ISS ISP + DeWarp + Synthesis (DSP1) + Display" UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1398: IPC between M4s ADASVISION-1399: IPC between DSPs ADASVISION-1402: IPC between M4 & DSP ADASVISION-1403: IPC between M4 & EVE ADASVISION-1405: IPC between DSP & EVE ADASVISION-1410: shall support link sendcmd across all cores ADASVISION-1466: ISS multi-channel capture ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1474: ISS M2M -ISP multiple instance ADASVISION-1475: ISS M2M - H3A ADASVISION-1476: ISS M2M sub-frame ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1487: ISS M2M RSZ - multi-instance ADASVISION-1488: ISS M2M RSZ - multi-instance with ISP M2M ADASVISION-1489: ISS M2M RSZ - multi-CH ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input ADASVISION-1493: Algorithm Link ISS 2A - multi-CH mode of operation for H3A for surround view cameras ADASVISION-1503: ESM support ADASVISION-1504: DAP MPU support ADASVISION-1518: Synchronization of frames across multiple channels ADASVISION-1519: duplication of output ADASVISION-1520: Merging of multiple outputs ADASVISION-1701: AR143 (MARs) Camera and Fusion board support on TDA2Px ADASVISION-882: 2D+3D SRV on TDA3x
Keywords:	tda3xx-evm tda3xx_rvp c_regression c_stress c_qualification c_stability m_iss m_algorithm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-136: ISS_3D_SRV_Rearview_960/964deser

Summary:

ISS 3D SRV + Rearview UC

Input : IMI OV10640 / TIDA AR140 with 960 deserializer

or OV10635 with 964 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Run "3D SRV 4CH ISS capture + ISS ISP + DeWarp + Synthesis (DSP1) + RearView + Display" UC	Display must come up with 3D SRV output & Rear view cameara output and no buffer drops should be observed	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1038: TDA3x 3D SRV: 3D + Rear view UC ADASVISION-1397: Rear Camera usecase ADASVISION-1518: Synchronization of frames across multiple channels ADASVISION-1519: duplication of output ADASVISION-1520: Merging of multiple outputs ADASVISION-1521: select a particular channel ADASVISION-1522: Dummy Sink (Null Link) ADASVISION-1523: Dummy source (NUllSrc Link) ADASVISION-269: TDA3x: CMS & Rear Camera augmented reality visualization on rear view mirror ADASVISION-830: For all SRV - DSP load optimization using SIMD
Keywords:	tda3xx-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-144: ISS_3D_SRV_960/964deser_without_TDA3X_Folder

Summary:

ISS 3D SRV UC

Input : IMI OV10640 / TIDA AR140 with 960 deserializer

or OV10635 with 964 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder not present in SD card

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
2	Run "3D SRV 4CH ISS capture + ISS ISP + DeWarp + Synthesis (DSP1) + Display" UC	It throws error	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1036: TDA3x 3D SRV: 360 degree flyaround (Phase 1) ADASVISION-1037: TDA3x 3D SRV: Improve imaging for SRV with Improve AE stability & Integrate Photometric alignment ADASVISION-1068: TDA3x 3D SRV : Auto calculate number of slice parameters ADASVISION-1069: TDA3c 3D SRV: Lens type : Distortion table ADASVISION-1071: TDA3x 3D SRV : Boot time optimization ADASVISION-1167: Error handling requirements ADASVISION-1526: Error handling ADASVISION-962: TDA3x 3D SRV: Enabling 2A and WDR
Keywords:	tda3xx-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-321: ISS_3D_SRV_960/964deser_Different_Output_resolution

Summary:

ISS 3D SRV UC

Input : IMI OV10640 / TIDA AR140 with 960 deserializer

or OV10635 with 964 deserialize

Output : HDMI 1080P

Binaries: 512MB & 128MB

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS,CARIMG,V2W & LENS.BIN

Using Mesh generation tool generate V2W with resolution same as set in UC

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Change output resolution for 3D SRV UC & build	User should be able to build for different resolution than default	
2	Go to System Settings Select Capture Source as	Capture Source shuld be	

	"OV10640 Sensor for SV - IMI (TDA3x ONLY)" or "AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)" & Display Output as HDMI 1080P	OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & selected by user & Display device as HDMI 1080P	
3	Run "3D SRV 4CH ISS capture + ISS ISP + DeWarp + Synthesis (DSP1) + Display" UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1036: TDA3x 3D SRV: 360 degree flyaround (Phase 1) ADASVISION-1037: TDA3x 3D SRV: Improve imaging for SRV with Improve AE stability & Integrate Photometric alignment ADASVISION-1068: TDA3x 3D SRV : Auto calculate number of slice parameters ADASVISION-1069: TDA3c 3D SRV: Lens type : Distortion table ADASVISION-1071: TDA3x 3D SRV : Boot time optimization ADASVISION-1466: ISS multi-channel capture ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1474: ISS M2M -ISP multiple instance ADASVISION-1475: ISS M2M - H3A ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1487: ISS M2M RSZ - multi-instance ADASVISION-1488: ISS M2M RSZ - multi-instance with ISP M2M ADASVISION-1489: ISS M2M RSZ - multi-CH ADASVISION-1579: low cost surround view with TDA3x ADASVISION-1606: Algo Link DeWarp for multiple channel LDC correction. ADASVISION-1621: ISS: Capture Link & M2M ISP : Support MIPI RAW 12 dataformat ADASVISION-1643: ISP Based SRV : Split LUT's ADASVISION-1644: ISP Based SRV: Configurable blend seam angle ADASVISION-1645: ISP Based SRV: Configurable blend seam start point ADASVISION-1647: ISP Based SRV: Compression of LUT's ADASVISION-1684: ISP Based SRV: Updated interface of Mesh Generation Tool ADASVISION-1685: ISP Based SRV: Parametric transition between view points ADASVISION-1686: ISP Based SRV: Adaptive bowl support on LDC Surroundview ADASVISION-1687: ISP Based SRV: Compression and reorganization of V2W Table(s) ADASVISION-1688: ISP Based SRV: Generating Car Box Edges/view ADASVISION-1715: [TDA3x 3D SRV]: Add support for Output Resolution change ADASVISION-1761: [TDA3x 3D SRV] Update Mesh tool for output resolution change ADASVISION-830: For all SRV - DSP load optimization using SIMD ADASVISION-889: 3D SRV on TDA3x Ã¢Â€Â“ Enhancements ADASVISION-932: TDA3x 3D SRV on 128MB memory map ADASVISION-962: TDA3x 3D SRV: Enabling 2A and WDR
Keywords:	tda3xx-evm tda3xx_rvp c_qualification
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.3.3.Test Suite : SRV_Calibration

Test Case VISIONSDK-137: SRV_Calibration_UC_auto_calibration			
Summary: SRV Calibration UC supported on TDA2x/TDA2ex/TDA3x Input : OV10635 with 913/914 deserializer or Imx290 with 913/914 deserializer or OV10635 with 964 deserializer or IMI OV10640 / TIDA AR140 with 960 deserializer Output : HDMI 1080P (TDA2x/TDA2Ex/TDA3x) , HDMI XGA TDM mode (TDA3x ONLY)			
Preconditions: In case of TDA2x/TDA2Ex: Ensure TDA2x folder present in SD card with CHARTPOS.BIN,LENS_2D.BIN & LENS.BIN Run SRV calibration UC to generate PERSMAT.BIN In case of TDA3x: Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN Run SRV calibration UC to generate LUT.BIN Verify whether display shows a smooth stitching of all 4 cameras. All running at 30fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display Output as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	Capture Source shuld be OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display device as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "SRV Calibration" UC	Display must come up with mosaic view of all 4 cameras 8 Red color rectangle boxes (2 in eah quadrant) should be visible and no buffer drops should be observe	
3	Select Auto Calibration	On selecting Auto calibration It will detect corners for all 4 cameras & generate	

		PERSMAT.BIN (in case of TDA2x/TDA2ex) LUT.BIN (in case of TDA3x)	
4	Run any SRV UC & verify the output	SRV Output should be proper	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1762: SRV Auto calibration - auto slection of ROI for Surround View (1MB Vs 2MB) ADASVISION-854: Support for handling region-of-interest input frame for 3DSRV & 2DSRV use-cases ADASVISION-883: Improved auto-calibration for 2D & 3D ADASVISION-999: Performance: Complex algorithm should work on shadowed buffers		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp c_qualification		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-138: SRV_Calibration_UC_manual_calibration

Summary:

SRV Calibration UC supported on TDA2x/TDA2ex/TDA3x

Input : OV10635 with 913/914 deserializer or

Imx290 with 913/914 deserializer or

OV10635 with 964 deserializer or

IMI OV10640 / TIDA AR140 with 960 deserializer

Output : HDMI 1080P (TDA2x/TDA2Ex/TDA3x) , HDMI XGA TDM mode (TDA3x ONLY)

Preconditions:

In case of TDA2x/TDA2Ex:

Ensure TDA2x folder present in SD card with CHARTPOS.BIN,LENS_2D.BIN & LENS.BIN

Run SRV calibration UC to generate PERSMAT.BIN

In case of TDA3x:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY)	Capture Source shuld be OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or	

	depending upon the hardware connected & Display Output as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display device as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "SRV Calibration" UC	Display must come up with mosaic view of all 4 cameras and no buffer drops should be observe	
3	Select Manual Calibration & generate CALMAT	should be able to generate CALMAT.BIN	
4	Remove the card & refer "VisionSDK_UserGuide_3D_SurroundView_Manual_CalibTool.pdf" useguide to generate PERSMAT.BIN (in case of TDA2x/TDA2ex) & LUT.BIN (in case of TDA3x)	Should be able to generate PERSMAT.BIN (in case of TDA2x/TDA2ex) & LUT.BIN (in case of TDA3x)	
5	Copy the PERSMAT.BIN (in case of TDA2x/TDA2ex) & LUT.BIN (in case of TDA3x) to MMC/SD card & insert into EVM & Run any SRV UC	SRV output should be proper	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-854: Support for handling region-of-interest input frame for 3DSRV & 2DSRV use-cases ADASVISION-984: Calibration: Allow to pass a parameter where all the generated files get read from/written ADASVISION-999: Performance: Complex algorithm should work on shadowed buffers
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-139: SRV_Calibration_UC_default_calibration

Summary:

SRV Calibration UC supported on TDA2x/TDA2ex/TDA3x

Input : OV10635 with 913/914 deserializer or

Imx290 with 913/914 deserializer or

OV10635 with 964 deserializer or

IMI OV10640 / TIDA AR140 with 960 deserializer

Output : HDMI 1080P (TDA2x/TDA2Ex/TDA3x) , HDMI XGA TDM mode (TDA3x ONLY)

Preconditions:

In case of TDA2x/TDA2Ex:

Ensure TDA2x folder present in SD card with CHARTPOS.BIN,LENS_2D.BIN & LENS.BIN

Run SRV calibration UC to generate PERSMAT.BIN

In case of TDA3x:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display Output as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	Capture Source shuld be OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display device as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "SRV Calibration" UC	Display must come up with mosaic view of all 4 cameras and no buffer drops should be observe	
3	Select Default Calibration	On selecting Default calibration It will generate PERSMAT.BIN (in case of TDA2x/TDA2ex) LUT.BIN (in case of TDA3x)	
4	Run any SRV UC & verify the output	SRV Output should be proper	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-854: Support for handling region-of-interest input frame for 3DSRV & 2DSRV use-cases
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-140: SRV_Calibration_UC_auto_calibration_Dump_Frame

Summary:

SRV Calibration UC supported on TDA2x/TDA2ex/TDA3x

Input : OV10635 with 913/914 deserializer or

Imx290 with 913/914 deserializer or

OV10635 with 964 deserializer or

IMI OV10640 / TIDA AR140 with 960 deserializer

Output : HDMI 1080P (TDA2x/TDA2Ex/TDA3x) , HDMI XGA TDM mode (TDA3x ONLY)

Preconditions:

In case of TDA2x/TDA2Ex:

Ensure TDA2x folder present in SD card with CHARTPOS.BIN,LENS_2D.BIN & LENS.BIN

Run SRV calibration UC to generate PERSMAT.BIN

In case of TDA3x:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display Output as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	Capture Source shuld be OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display device as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "SRV Calibration" UC	Display must come up with mosaic view of all 4 cameras and no buffer drops should be observe	
3	Select Auto Calibration	On selecting Auto calibration It will detect corners for all 4 cameras & generate PERSMAT.BIN (in case of TDA2x/TDA2ex) LUT.BIN (in case of TDA3x)	
4	Select "d" to Save Display Frame to MMC/SD card	On selecting "d" Display Frame should be saved to MMC/SD card	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1601: SD card file system support with VSDK		

	ADASVISION-854: Support for handling region-of-interest input frame for 3DSRV & 2DSRV use-cases ADASVISION-883: Improved auto-calibration for 2D & 3D
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-141: SRV_Calibration_UC_auto_calibration_update_2D_PERSMAT

Summary:

SRV Calibration UC supported on TDA2x/TDA2ex/TDA3x

Input : OV10635 with 913/914 deserializer or

Imx290 with 913/914 deserializer or

OV10635 with 964 deserializer or

IMI OV10640 / TIDA AR140 with 960 deserializer

Output : HDMI 1080P (TDA2x/TDA2Ex/TDA3x) , HDMI XGA TDM mode (TDA3x ONLY)

Preconditions:

In case of TDA2x/TDA2Ex:

Ensure TDA2x folder present in SD card with CHARTPOS.BIN,LENS_2D.BIN & LENS.BIN

Run SRV calibration UC to generate PERSMAT.BIN

In case of TDA3x:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display Output as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	Capture Source shuld be OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display device as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "SRV Calibration" UC	Display must come up with mosaic view of all 4 cameras and no buffer drops should be observe	

3	Select Auto Calibration	On selecting Auto calibration It will detect corners for all 4 cameras & generate PERSMAT.BIN (in case of TDA2x/TDA2ex) LUT.BIN (in case of TDA3x)	
4	Select "7" to Update 2D Pers Mat (after auto/manual calibration if required)	On selecting "7" 2D Pers Mat should be updated	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-854: Support for handling region-of-interest input frame for 3DSRV & 2DSRV use-cases ADASVISION-883: Improved auto-calibration for 2D & 3D		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-142: SRV_Calibration_UC_auto_calibration_without_MMC_SD

Summary:

SRV Calibration UC supported on TDA2x/TDA2ex/TDA3x

Input : OV10635 with 913/914 deserializer or

OV10635 with 964 deserializer or

IMI OV10640 / TIDA AR140 with 960 deserializer

Output : HDMI 1080P (TDA2x/TDA2Ex/TDA3x) , HDMI XGA TDM mode (TDA3x ONLY)

Preconditions:

Boot from QSPI

No MMC/SD card present

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display Output as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	Capture Source shuld be OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display device as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	
2	Run "SRV Calibration" UC	It throws error	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-854: Support for handling region-of-interest input frame for 3DSRV & 2DSRV use-cases ADASVISION-883: Improved auto-calibration for 2D & 3D
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-143: SRV_Calibration_UC_auto_calibration_without_TDAXX_Folder

Summary:

SRV Calibration UC supported on TDA2x/TDA2ex/TDA3x

Input : OV10635 with 913/914 deserializer or

Imx290 with 913/914 deserializer or

OV10635 with 964 deserializer or

IMI OV10640 / TIDA AR140 with 960 deserializer

Output : HDMI 1080P (TDA2x/TDA2Ex/TDA3x) , HDMI XGA TDM mode (TDA3x ONLY)

Preconditions:

In case of TDA2x/TDA2Ex:

Ensure TDA2x folder not present in SD card

Run SRV calibration UC to generate PERSMAT.BIN

In case of TDA3x:

Ensure TDA3x folder not present in SD card

Run SRV calibration UC to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display Output as HDMI 1080P	Capture Source shuld be OV10635 Sensor 720P30 or OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX ONLY) or OV10640 Sensor for SV - IMI (TDA3x ONLY) or AR0140 Sensor for SV - TIDA00262 (TDA3x ONLY) depending upon the hardware connected & Display device as HDMI 1080P (TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)	

	(TDA2x/TDA2Ex/TDA3x), HDMI XGA TDM mode (TDA3x ONLY)		
2	Run "SRV Calibration" UC	It throws error	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-854: Support for handling region-of-interest input frame for 3DSRV & 2DSRV use-cases ADASVISION-883: Improved auto-calibration for 2D & 3D
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.3.4.Test Suite : FastBoot_SRV

Test Case VISIONSDK-255: FastBoot_ISS_3D_SRV_960/964deser			
Summary: ISS 3D SRV UC Input : IMI OV10640 with 960/964 deserializer Output : HDMI 1080P Binaries: 512MB			
Preconditions: Build binaries with SRV_FAST_BOOT_INCLUDE=yes Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN Run SRV calibration UC if required to generate LUT.BIN Verify whether display shows a smooth stitching of all 4 cameras. All running at 30fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM with Fastboot SRV binaries	EVM should boot with Fastboot SRV binaries & Display should come up no buffer drops should observe	
2	Check Boot time	Boot time should match with release numbers	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1036: TDA3x 3D SRV: 360 degree flyaround (Phase 1) ADASVISION-1037: TDA3x 3D SRV: Improve imaging for SRV with Improve AE stability & Integrate Photometric alignment ADASVISION-1068: TDA3x 3D SRV : Auto calculate number of slice parameters ADASVISION-1069: TDA3c 3D SRV: Lens type : Distortion table ADASVISION-1071: TDA3x 3D SRV : Boot time optimization ADASVISION-830: For all SRV - DSP load optimization using SIMD ADASVISION-889: 3D SRV on TDA3x Ã¢Â€Â“ Enhancements ADASVISION-932: TDA3x 3D SRV on 128MB memory map ADASVISION-962: TDA3x 3D SRV: Enabling 2A and WDR		
Keywords:	tda3xx-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.Test Suite : Mono_Cam

1.4.1.Test Suite : VIP

1.4.1.1.Test Suite : VIP_SingleCam_Capture_Display

Test Case VISIONSDK-1: VIP_Capture_Display_Input_OV10635_Output_7inch_LCD			
Summary: Capture Display UC Input : OV10635 Output : 7" LCD			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor & Display Output as 7" LCD	Capture Source shuld be OV10635 Sensor & Display device as 7" LCD	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1274: VIP Capture Link to support Single channel capture ADASVISION-1291: VIP Capture Link to support Cropping of output video ADASVISION-1305: Display Link - LCD display support ADASVISION-1311: Display Link - Color keying support ADASVISION-1312: Display Link - Set back Ground Color of VENC ADASVISION-1316: Display Link - LCD timing configuration ADASVISION-1318: Display Link - VENC section ADASVISION-1322: Support OV10635 video sensors ADASVISION-1330: support LCD displays ADASVISION-1332: Set Brightness levels of LCD display ADASVISION-1381: 1CH VIP capture + Display		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm m_capture m_display		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-2: VIP_Capture_Display_Input_OV10635_Output_HDMI_720P
Summary: Capture Display UC

Input : OV10635

Output : HDMI 720P

Preconditions:

Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor & Display Output as HDMI 720P	Capture Source shuld be OV10635 Sensor & Display device as HDMI 720P	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1279: VIP Capture Link to support Sensor capture ADASVISION-1284: VIP Capture Link to support Non-mux Discrete sync Hsync style capture modes ADASVISION-1285: VIP Capture Link to support Non-mux Discrete sync ACTVID style capture modes ADASVISION-1288: VIP Capture Link to support Progressive mode capture ADASVISION-1291: VIP Capture Link to support Cropping of output video ADASVISION-1293: VIP Capture Link - Capture HW configuration ADASVISION-1295: Display Link support for various input data formats ADASVISION-1298: Display Link - Progressive mode display ADASVISION-1299: Display Link - Inline scaling support in display ADASVISION-1306: Display Link - HDMI display support ADASVISION-1307: Display Link - Support for standard display resolutions ADASVISION-1311: Display Link - Color keying support ADASVISION-1312: Display Link - Set back Ground Color of VENC ADASVISION-1317: Display Link - Transparency Color Key Selection support ADASVISION-1318: Display Link - VENC section ADASVISION-1322: Support OV10635 video sensors ADASVISION-1329: Shall support multiple dsiplay devices - HDMI (on-chip) & LCD displays ADASVISION-1627: DSS Link: support override the input data format of the link.
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-5: VIP_Capture_Display_Input_OV10635_Output_HDMI_1080P

Summary:

Capture Display UC

supported on all platforms

Input : OV10635/OV10640

Output : HDMI 1080P

Preconditions:

Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps

should not change Capture output dynamically

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635	Capture Source shuld be OV10635 & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
3	Check for graphics elements displayed on screen	TI logo should be on left top corner All load bars should be on left bottom corner	
4	Press "P"	Check performance stats Should print CPU Load of all cores, Capture & Display FPS numbers DDR, Heap memory, OCMC, SR1, remote log buffer memory usage	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1090: Update TI logo ADASVISION-1274: VIP Capture Link to support Single channel capture ADASVISION-1279: VIP Capture Link to support Sensor capture ADASVISION-1281: VIP Capture Link -VIP capture with Dynamic output resolution change will not be supported ADASVISION-1284: VIP Capture Link to support Non-mux Discrete sync Hsync style capture modes ADASVISION-1285: VIP Capture Link to support Non-mux Discrete sync ACTVID style capture modes ADASVISION-1287: VIP Capture Link to support 8 bit, 16bit & 24bit Capture bus width ADASVISION-1288: VIP Capture Link to support Progressive mode capture ADASVISION-1298: Display Link - Progressive mode display ADASVISION-1301: Display Link - Dynamic resolution change of input video ADASVISION-1303: Display Link - Dynamic output image resolution change ADASVISION-1306: Display Link - HDMI display support ADASVISION-1309: Display Link - Blending support of Grpx and Video planes ADASVISION-1310: Display Link - Blending support for Video planes ADASVISION-1311: Display Link - Color keying support ADASVISION-1312: Display Link - Set back Ground Color of VENC ADASVISION-1318: Display Link - VENC section ADASVISION-1322: Support OV10635 video sensors ADASVISION-1329: Shall support multiple dsiplay devices - HDMI (on-chip) & LCD displays ADASVISION-1381: 1CH VIP capture + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1529: Multiple heap support ADASVISION-1530: Cache configuration ADASVISION-1531: Memory config ADASVISION-1532: External Memory allocation ADASVISION-1533: Internal memory allocation from OCMC ADASVISION-1534: Internal memory allocation from DSP L2 SRAM at create time only, no run time allocation and de-alloc ADASVISION-1535: Internal memory allocation from DSP L1 SRAM ADASVISION-1581: TDA2Ex - shall support single channel capture ADASVISION-1584: Shall support all the Bios single multi camera usecases which use one DSP & M4 ADASVISION-1604: Support sensor frame work
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_stress c_performance c_qualification c_stability
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-112: VIP_Capture_Display_Input_OV10635_Output_10inch_LCD
Summary:

Capture Display UC Input : OV10635 Output : 10" LCD			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor & Display Output as 10" LCD	Capture Source shuld be OV10635 Sensor & Display device as 10" LCD	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1274: VIP Capture Link to support Single channel capture ADASVISION-1305: Display Link - LCD display support ADASVISION-1329: Shall support multiple dsiplay devices - HDMI (on-chip) & LCD displays		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_regression c_integration		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-113: VIP_Capture_Display_Input_OV10635_Output_10inch_OSD_LCD			
Summary: Capture Display UC Input : OV10635 Output : 10" OSD LCD			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor & Display Output as 10" OSD LCD	Capture Source shuld be OV10635 Sensor & Display device as 10" OSD LCD	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1274: VIP Capture Link to support Single channel capture		

	ADASVISION-1305: Display Link - LCD display support
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-114: VIP_Capture_Display_Input_OV10635_Output_SD_PAL

Summary:

Capture Display UC

Input : OV10635

Output : SD PAL

Preconditions:

Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor & Display Output as SD PAL	Capture Source shuld be OV10635 Sensor & Display device as SD PAL	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1274: VIP Capture Link to support Single channel capture ADASVISION-1279: VIP Capture Link to support Sensor capture ADASVISION-1284: VIP Capture Link to support Non-mux Discrete sync Hsync style capture modes ADASVISION-1285: VIP Capture Link to support Non-mux Discrete sync ACTVID style capture modes ADASVISION-1287: VIP Capture Link to support 8 bit, 16bit & 24bit Capture bus width ADASVISION-1289: VIP Capture Link to support Interlace mode capture ADASVISION-1295: Display Link support for various input data formats ADASVISION-1297: Display Link - Interlace mode display ADASVISION-1307: Display Link - Support for standard display resolutions ADASVISION-1320: Display Link - SDDAC
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-115: VIP_Capture_Display_Input_OV10635_Output_SD_NTSC

Summary:

Capture Display UC

Input : OV10635

Output : SD NTSC

Preconditions:

Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor & Display Output as SD NTSC	Capture Source shuld be OV10635 Sensor & Display device as SD NTSC	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1284: VIP Capture Link to support Non-mux Discrete sync Hsync style capture modes ADASVISION-1287: VIP Capture Link to support 8 bit, 16bit & 24bit Capture bus width ADASVISION-1289: VIP Capture Link to support Interlace mode capture ADASVISION-1295: Display Link support for various input data formats ADASVISION-1297: Display Link - Interlace mode display ADASVISION-1307: Display Link - Support for standard display resolutions ADASVISION-1320: Display Link - SDDAC
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-296: VIP_Capture_Display_without_Sensor

Summary:

Capture Display UC without sensor connected

supported on all platforms

Input : No Sensor connected

Output : HDMI 1080P

Preconditions:

Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps

None of the sensors are connected

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Display UC	Assert with sensor initialization fails	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1167: Error handling requirements ADASVISION-1526: Error handling
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	

Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.1.2.Test Suite : VIP_Capture_FrameCopy_Display

Test Case VISIONSDK-7: VIP_Capture_FrameCopy_DSP1_Display			
Summary: Capture FrameCopy Display UC on DSP1 Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + FrameCopy (DSP1) + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1382: 1CH VIP capture + Alg Frame Copy (DSP1) + Display ADASVISION-1550: Algorithm Link Support DSP subsystem DMA resource allocations ADASVISION-1557: Support Sample Algorithm Link with separate input output buffers (Frame Copy Plug-Ins) ADASVISION-1584: Shall support all the Bios single multi camera usecases which use one DSP & M4		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_regression c_qualification m_algorithm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-8: VIP_Capture_FrameCopy_EVE1_Display			
Summary: Capture FrameCopy Display UC on EVE1 Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:

1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + FrameCopy (EVE1) + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1383: 1CH VIP capture + Alg Frame Copy (EVE1)+ Display ADASVISION-1551: Algorithm Link Support EVE subsystem DMA resource allocations ADASVISION-1557: Support Sample Algorithm Link with separate input output buffers (Frame Copy Plug-Ins)		
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.1.3.Test Suite : VIP_Capture_SubFrameCopy_Display

Test Case VISIONSDK-168: VIP_Capture_SubFrameCopy_EVE1_Display			
Summary: Capture Sub Frame Copy Display UC with EVE1 Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + SubFrameCopy (EVE1) + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1292: VIP Capture Link to support Slice/sub-frame wise capture		
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.1.4.Test Suite : VIP_Capture_IPC_Display

Test Case VISIONSDK-230: VIP_Capture_IPC_Display_Single_core			
Summary: Capture IPC Display UC with Single core supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P Scenrios: IPU1_0 -> DSP1 -> IPU1_0 IPU1_0 -> DSP2 -> IPU1_0 IPU1_0 -> EVE1 -> IPU1_0 IPU1_0 -> EVE2 -> IPU1_0 IPU1_0 -> EVE3 -> IPU1_0 IPU1_0 -> EVE4 -> IPU1_0 IPU1_0 -> IPU1_1 -> IPU1_0 IPU1_0 -> A15 -> IPU1_0			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of Capture IPC Display UC Capture should be running on IPU1-0 at 30fps and Display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1398: IPC between M4s ADASVISION-1399: IPC between DSPs ADASVISION-1400: IPC between EVEs ADASVISION-1401: IPC between M4 & A15 ADASVISION-1402: IPC between M4 & DSP ADASVISION-1403: IPC between M4 & EVE ADASVISION-1404: IPC between DSP & A15 ADASVISION-1405: IPC between DSP & EVE ADASVISION-1406: IPC between EVE & A15		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm m_ipc		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-231: VIP_Capture_IPC_Display_Multi_core
Summary: Capture IPC Display UC with Multi core supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P

Scenrios: IPU1_0 -> DSP1 -> IPU1_1 -> DSP2 -> IPU1_0 IPU1_0 -> EVE1 -> DSP1 -> A15_0 -> DSP1 -> IPU1_0 IPU1_0 -> EVE1 -> DSP1 -> A15_0 -> IPU1_0 IPU1_0 -> A15_0 -> DSP1 -> DSP2 -> IPU1_1 -> EVE1 -> IPU1_0 IPU1_0 -> EVE1 -> DSP1 -> EVE2 -> DSP2 -> EVE3 -> A15_0 -> IPU1_1 -> EVE4 (Repeated twice) -> IPU1_0			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of Capture IPC Display UC Capture should be running on IPU1-0 at 30fps and Display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1398: IPC between M4s ADASVISION-1399: IPC between DSPs ADASVISION-1400: IPC between EVEs ADASVISION-1401: IPC between M4 & A15 ADASVISION-1402: IPC between M4 & DSP ADASVISION-1403: IPC between M4 & EVE ADASVISION-1404: IPC between DSP & A15 ADASVISION-1405: IPC between DSP & EVE ADASVISION-1406: IPC between EVE & A15 ADASVISION-1410: shall support link sendcmd across all cores		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.1.5.Test Suite : VIP_Capture_Color_To_Gray_Display

Test Case VISIONSDK-167: VIP_Capture_Color_To_Gray_Display			
Summary: Single Cam Capture Color to Gray Display UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of Capture Color to Gray Display UC Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			

Priority:	Medium
Requirements	ADASVISION-1553: Algorithm Link Support In place computation support ADASVISION-1558: Support Sample Algorithm Link (Color to Gray Plug-Ins) with inplace buffer processing
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.1.6.Test Suite : VIP_Capture_DSSWB_Display

Test Case VISIONSDK-179: VIP_Capture_DSSWB_CRC_Display

Summary:

Single Cam Capture DSSWB CRC Display UC

supported on TDA3x

Input : OV10635 Sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run "1CH VIP capture + DSSWB + CRC + Display (Supported only on TDA3x)" UC	Display must come up & no buffer drop should be observed	
3	Pause the video Play the video	After pause, frame freeze event detect should be displayed On resume, frame freeze event detect display should be erased	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1264: DSS M2M link in VSDK to support overlay write back ADASVISION-1283: VIP Capture Link to support DSS write back capture ADASVISION-1507: CRC support ADASVISION-1589: Support Frame Freeze detection with TDA3x using Display write back & CRC
Keywords:	tda3xx-evm c_qualification
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-180: VIP_Capture_DisplayMultipipe_DSSWB_Metadata

Summary:

Single Cam Capture Display Multipipe DSSWB Metadata UC

supported on TDA3x Input : OV10635 Sensor Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run "1CH VIP capture + DisplayMultiPipe + DSSWb + Metadata" UC	Display must come up & no buffer drop should be observed	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1136: New display Module supporting multiple display sync'd pipes ADASVISION-1319: Display DSS write back Link		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.1.7.Test Suite : VIP_Capture_VPE_Display

Test Case VISIONSDK-189: VIP_Capture_VPE_Display			
Summary: Single Cam Capture VPE Display UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of Capture VPE Display UC Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1369: VPE link to support scaling of input video ADASVISION-1370: VPE link to support de-interlacing ADASVISION-1371: VPE link to support multiple output queues ADASVISION-1372: VPE link to support Multi instance ADASVISION-1373: VPE link to support input type progressive ADASVISION-1374: VPE link to support various Input Data Formats ADASVISION-1375: VPE link to support various output data format ADASVISION-1376: VPE link to support De-interlaced enable/disable ADASVISION-1377: VPE link to support input resolution change ADASVISION-1378: VPE link to support output resolution change ADASVISION-1379: VPE link to support frame rate down sampling		
Keywords:	tda2xx-evm		

	tda2ex-evm tda2ex-entry tda2px-evm m_vpe
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.1.8.Test Suite : VIP_SingleCam_Capture_Analytics_Display

Test Case VISIONSDK-9: VIP_Capture_Edge_detect_Display			
Summary: VIP Capture Edge Detect Display UC with EVE1 Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Edge Detect (EVE1) + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1385: 1CH VIP capture + Edge Detect (EVE1) + Display		
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-10: VIP_Capture_DOF_1Pyramid_Display			
Summary: VIP Capture DOF Display UC with 1 Pyramid Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635	Capture Source shuld be OV10635 & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Run 1 Ch VIP capture + Dense Optical Flow (EVEx) + Display UC with 1 Pyramid	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1386: 1CH HDMI capture + Dense Optical Flow (EVEx) + Display ADASVISION-1554: Algorithm Link Support Non-In place computation support		
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-11: VIP_Capture_DOF_2Pyramid_Display			
Summary: VIP Capture DOF Display UC with 2 Pyramid Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Dense Optical Flow (EVEx) + Display UC with 2 Pyramid	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1386: 1CH HDMI capture + Dense Optical Flow (EVEx) + Display		
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.1.9.Test Suite : VIP_Capture_Display_IPU_SMP_BIOS

Test Case VISIONSDK-342: VIP_Capture_Display_Input_OV10635_Output_HDMI_1080P
Summary: Capture Display UC with IPU SMP BIOS

supported on TDA3x Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps Binaries should be built with IPU_SMP_BIOS=yes			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
3	Run other available UCs	Should be able to run UCs without any issues	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1835: Enable SMP support for IPU1_0 and IPU1_1		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.2.Test Suite : HDMI

1.4.2.1.Test Suite : HDMI_Capture_Display

Test Case VISIONSDK-3: HDMI_Capture_Display_Input_HDMI_Output_LCD			
Summary: Capture Display UC Input : HDMI Output : LCD			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as LCD	Capture Source shuld be HDMI & Display device as LCD	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1278: VIP Capture Link to support HDMI capture ADASVISION-1305: Display Link - LCD display support ADASVISION-1323: capture from HDMI source ADASVISION-1330: support LCD displays ADASVISION-1331: support for HDMI (off chip) via ADV chip		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_regression m_capture m_display		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-4: HDMI_Capture_Display_Input_HDMI_Output_HDMI			
Summary: Capture Display UC Input : HDMI Output : HDMI			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution

			Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI	Capture Source shuld be HDMI & Display device as HDMI	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1278: VIP Capture Link to support HDMI capture ADASVISION-1286: VIP Capture Link to support Non-mux Embedded sync capture modes ADASVISION-1287: VIP Capture Link to support 8 bit, 16bit & 24bit Capture bus width ADASVISION-1288: VIP Capture Link to support Progressive mode capture ADASVISION-1296: Display Link - Display support for ARGB 16/24/32 bit data formats ADASVISION-1298: Display Link - Progressive mode display ADASVISION-1300: Display Link - Video window positioning support ADASVISION-1302: Display Link - Active video channel selection ADASVISION-1306: Display Link - HDMI display support ADASVISION-1315: Display Link - Digital Output data format with discrete sync ADASVISION-1318: Display Link - VENC section ADASVISION-1323: capture from HDMI source ADASVISION-1331: support for HDMI (off chip) via ADV chip		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_qualification c_integration		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.2.2.Test Suite : HDMI_Capture_Analytics_Display

Test Case VISIONSDK-14: HDMI_Capture_SOF_Display			
Summary: HDMI Capture SOF Display UC Input : HDMI Output : HDMI			
Preconditions: Verify whether display shows flow vectors of the captured input Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + Sparse Optical Flow (EVE1) + Display UC	Display must come up and no buffer drops should be observe Flow vectors of the captured input should be displayed	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		

Requirements	ADASVISION-1389: 1CH HDMI capture + Sparse Optical Flow (EVEx) + Display
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-15: HDMI_Capture_LD_Display

Summary:

HDMI Capture Lane Detect Display UC

Input : HDMI

Output : HDMI 1080P

Preconditions:

Verify whether display shows a smooth stitching of the single cam views Lane detection
All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + Lane Detect (DSP1 + EVE1) + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1391: 1CH HDMI capture + Lane Detection (DSP+EVE) + Display
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-16: HDMI_Capture_TLR_Display

Summary:

HDMI Capture Traffic Light Display UC

Input : HDMI

Output : HDMI 1080P

Preconditions:

Verify whether display shows a smooth stitching of the single cam views Traffic Light detection
All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI	Capture Source shuld be HDMI & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Run 1CH VIP capture (HDMI) + Traffic Light Recognition (TLR) (DSP1) + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1278: VIP Capture Link to support HDMI capture ADASVISION-1323: capture from HDMI source ADASVISION-1331: support for HDMI (off chip) via ADV chip
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-17: HDMI_Capture_PD_Display

Summary:

HDMI Capture Pedestrian Detect Display UC

Input : HDMI

Output : HDMI 1080P

Preconditions:

Verify whether display shows a smooth stitching of the single cam views Pedestrian detection
All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + PD + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1390: 1CH HDMI capture + Pedestrian Detection (EVE+DSP) + Display
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-18: HDMI_Capture_TSR_Display

Summary:

HDMI Capture Traffic Sign Detect Display UC

Input : HDMI

Output : HDMI 1080P

Preconditions:

Verify whether display shows a smooth stitching of the single cam views Traffic Sign detection
All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + TSR + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1392: 1CH HDMI capture + Traffic sign detection (DSP1 + DSP2) + Display
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-19: HDMI_Capture_VD_Display

Summary:

HDMI Capture Vehicle Detect Display UC

Input : HDMI

Output : HDMI 1080P

Preconditions:

Verify whether display shows a smooth stitching of the single cam views Vehicle detection
All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + VD + Display UC	Display must come up and no buffer drops should be observe	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1278: VIP Capture Link to support HDMI capture ADASVISION-1323: capture from HDMI source
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581

Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-20: HDMI_Capture_PD_TSR_VD_Display			
Summary: HDMI Capture Pedestrian, Traffic Sign, Vehicle Detect Display UC Input : HDMI Output : HDMI 1080P			
Preconditions: Verify whether display shows a smooth stitching of the single cam views Pedestrian, Traffic Sign, Vehicle Detect All running at 30fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + PD+TSR+VD + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1555: Algorithm Link Support Multiple Algos		
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm m_algorithm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-21: HDMI_Capture_FrontCam_Analytics_Display			
Summary: HDMI Capture FrontCam Analytics Display UC Input : HDMI Output : HDMI 1080P			
Preconditions: Verify whether display shows a smooth stitching of the single cam views PD+TSR+VD+LD+TLR+SFM All running at 15fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + FrontCam Analytics 2 (PD+TSR+VD+LD+TLR+SFM) (DSPx, EVEx) + Display UC	Display must come up and no buffer drops should be observe	
Execution type:	Automated		

Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1380: Support ISS based Multi scale (pyramid generation for PD/TSR etc) ADASVISION-1486: ISS M2M RSZ - Multi scale (pyramid generation for PD/TSR etc) ADASVISION-1542: Algorithm Link Support (Framework and Skeleton portion) ADASVISION-1543: Algorithm Link Support for all CPU cores ADASVISION-1544: Algorithm Link Support Prioritization ADASVISION-1545: Algorithm Link Support Multiple instantiation ADASVISION-1546: Algorithm Link Support Multiple input and output queues ADASVISION-1547: Algorithm Link Support Multiple input channels ADASVISION-1548: Algorithm Link Support Out of order release of input and output buffers ADASVISION-1549: Algorithm Link Support Memory allocations ADASVISION-1555: Algorithm Link Support Multiple Algos ADASVISION-1556: Algorithm Link Support Alg Configurations ADASVISION-1602: Support Image pyramid using ISS ADASVISION-1603: support for Image pyramid using VPE ADASVISION-1607: EU-NCAP demo support with TDA2X/3X
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm c_stress c_stability m_algorithm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.3.Test Suite : ISS

1.4.3.1.Test Suite : ISS_SingleCam_Capture_Display_AR140

Test Case VISIONSDK-24: ISS_Capture_AR140_LM			
Summary: Linear mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/Display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1461: ISS capture - packing ADASVISION-1464: ISS capture -non OTF mode - output dataformat ADASVISION-1465: ISS capture -OTF and non-OTF mode - input data format ADASVISION-1587: TDA3x ISS UC - SDK links and Utils to support static memory allocation ADASVISION-1604: Support sensor frame work		
Keywords:	tda3xx-evm c_qualification c_integration		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-25: ISS_Capture_AR140_LM_Performance
Summary: Linear mode - basic ISS, performance test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed	
3	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode
Keywords:	tda3xx-evm c_regression c_performance m_iss
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-26: ISS_Capture_AR140_LM_Dyanmic_Range

Summary:

Linear mode - dynamic range test

ISS Single channle Capture UC with AR140

Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. AE should adjust such that lowlights are visible and highlights are overexposed.	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6

Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-27: ISS_Capture_AR140_1PASS_WDR			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 1 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-29: ISS_Capture_AR140_2PASS_WDR			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140	Capture Source shuld be AR140 & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm c_stress c_stability		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-31: ISS_Capture_AR140_2PASS_WDR_Performance			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed	
4	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		

Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-32: ISS_Capture_AR140_2PASS_WDR_Dynamic_Range			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct in dark as well as bright regions. Dark regions maybe noisier than bright regions but NSF effect should be visible.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-33: ISS_Capture_AR140_2PASS_WDR_AE			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings	Capture Source shuld be AR140	

	Select Capture Source as AR140 & Display Output as HDMI 1080P	& Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Moving to dark scene should cause AE adjustment and increase in noise level.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-34: ISS_Capture_AR140_2PASS_WDR_VTNF			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = ON, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Preview maybe noisy. Toggling between VTNF (0/1) should have visible impact on temporal noise.	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface		

	ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1479: ISS M2M (LDC + VTNF) - VTNF data format ADASVISION-1481: ISS M2M (LDC + VTNF) - VTNF create time config ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-36: ISS_Capture_AR140_2PASS_WDR_LDC

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR140

Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed Preview must look undistorted	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1477: ISS M2M (LDC + VTNF) - LDC selection ADASVISION-1478: ISS M2M (LDC + VTNF) - LDC data format ADASVISION-1480: ISS M2M (LDC + VTNF) - LDC create time config ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat

	ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-37: ISS_Capture_AR140_2PASS_WDR_LDC_VTNF

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR140

Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = ON, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed LDC effect should be visible. If LDC has not been tuned for the lens used, it is OK if correction is not perfect but there should be no crash or corruption.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1477: ISS M2M (LDC + VTNF) - LDC selection ADASVISION-1478: ISS M2M (LDC + VTNF) - LDC data format ADASVISION-1479: ISS M2M (LDC + VTNF) - VTNF data format ADASVISION-1480: ISS M2M (LDC + VTNF) - LDC create time config ADASVISION-1481: ISS M2M (LDC + VTNF) - VTNF create time config ADASVISION-1482: ISS M2M (LDC + VTNF) - general ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input

Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-38: ISS_Capture_AR140_2PASS_WDR_Color_Fidelity

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR140

Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Sharpness should be good. No color cast should be visible on lightbox walls and gray row of colorchecker. Colored patches should have the right hue.	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-39: ISS_Capture_AR140_2PASS_WDR_Noise_Filter

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR140

Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Adjust lens to right focal length. Ensure dark lighting.	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Sharpness should be good.	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1471: ISS M2M -ISP - NF ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1477: ISS M2M (LDC + VTNF) - LDC selection ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-40: ISS_Capture_AR140_2PASS_WDR_DUMP_RAW_FRAMES

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR140

Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution

			Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Capture RAW images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-41: ISS_Capture_AR140_2PASS_WDR_DUMP_YUV_FRAMES			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Capture YUV images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts. YUV frame must match the display.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		

Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-42: ISS_Capture_AR140_2PASS_WDR_Read_Sensor_Reg			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Use the command iss_read_sensor_reg to read chip ID (0x3000) and exposure register (0x3082)	Chip ID and exposure value must be read correctly	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-43: ISS_Capture_AR140_2PASS_WDR_Write_Sensor_Reg
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Use the command iss_write_sensor_reg to write 0, 4, 8 and c one by one to the exposure register (0x3082)	Change of exposure value must be clearly visible on the display	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-44: ISS_Capture_AR140_2PASS_WDR_Save_DCC_Profile

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR140

Input : AR140 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Get the sensor.bin file from driver	There should not be any error/assertion in saving dcc file	

	and save it using iss_save_dcc_file network command		
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-45: ISS_Capture_AR140_2PASS_WDR_Send_DCC_Profile			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and send new sensor.bin file using iss_send_dcc_file network command	New DCC profile must be used from the QSPI memory There should be a print on console indicating that	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-46: ISS_Capture_AR140_2PASS_WDR_Clear_DCC_Profile			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR140 Input : AR140 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140 & Display Output as HDMI 1080P	Capture Source shuld be AR140 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and clear DCC profile from QSPI using iss_clear_dcc_qspi_mem network command	There should not be any error/assertion in cleaning dcc profile in qspi	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.3.2.Test Suite : ISS_SingleCam_Capture_Display_OV10640

Test Case VISIONSDK-56: ISS_Capture_OV10640_LM_Performance			
Summary: Linear mode - basic ISS, performance test ISS Single channle Capture UC with OV10640 Input : OV10640 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640	Capture Source shuld be OV10640 & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed	
3	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1458: ISS capture - CSI2 mode ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input ADASVISION-1604: Support sensor frame work		
Keywords:	tda3xx-evm tda2px-evm c_regression c_performance m_iss		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-57: ISS_Capture_OV10640_LM_Dyanmic_Range			
Summary: Linear mode - dynamic range test ISS Single channle Capture UC with OV10640 Input : OV10640 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. AE should adjust such that lowlights are visible and highlights are overexposed.	
Execution type:	Manual		

Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1456: ISS capture - mode
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-59: ISS_Capture_OV10640_2PASS_WDR

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm c_stress c_stability
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-60: ISS_Capture_OV10640_2PASS_WDR_Performance

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed	
4	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-61: ISS_Capture_OV10640_2PASS_WDR_Dynamic_Range

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct in dark as well as bright regions.	

		Dark regions maybe noisier than bright regions but NSF effect should be visible.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-62: ISS_Capture_OV10640_2PASS_WDR_AE			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with OV10640 Input : OV10640 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Moving to dark scene should cause AE adjustment and increase in noise level.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1458: ISS capture - CSI2 mode ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input		

	ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-63: ISS_Capture_OV10640_2PASS_WDR_VTNF

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = ON, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Preview maybe noisy. Toggling between VTNF (0/1) should have visible impact on temporal noise.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-64: ISS_Capture_OV10640_2PASS_WDR_LDC

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed Preview must look undistorted	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-65: ISS_Capture_OV10640_2PASS_WDR_LDC_VTNF

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = ON, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed LDC effect should be visible. If LDC has not been tuned for the lens used, it is OK if correction is not perfect but there should be no crash or corruption.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-66: ISS_Capture_OV10640_2PASS_WDR_Color_Fidelity

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Sharpness should be good. No color cast should be visible on lightbox walls and gray row of colorchecker. Colored patches should have the right hue.	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581

Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-67: ISS_Capture_OV10640_2PASS_WDR_Noise_Filter			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with OV10640 Input : OV10640 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Adjust lens to right focal length. Ensure dark lighting.	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Sharpness should be good.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-68: ISS_Capture_OV10640_2PASS_WDR_DUMP_RAW_FRAMES			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with OV10640 Input : OV10640 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution

			Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Capture RAW images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-69: ISS_Capture_OV10640_2PASS_WDR_DUMP_YUV_FRAMES			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with OV10640 Input : OV10640 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Capture YUV images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts YUV frame must match the display.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case		

	ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-70: ISS_Capture_OV10640_2PASS_WDR_Read_Sensor_Reg

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Use the command iss_read_sensor_reg to read chip ID (0x3000) and exposure register (0x3082)	Chip ID and exposure value must be read correctly	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-71: ISS_Capture_OV10640_2PASS_WDR_Write_Sensor_Reg

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Use the command iss_write_sensor_reg to write 0, 4, 8 and c one by one to the exposure register (0x3082)	Change of exposure value must be clearly visible on the display	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-72: ISS_Capture_OV10640_2PASS_WDR_Save_DCC_Profile

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting	Selected ISS settings will be saved	

	Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR		
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Get the sensor.bin file from driver and save it using iss_save_dcc_file network command	There should not be any error/assertion in saving dcc file	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-73: ISS_Capture_OV10640_2PASS_WDR_Send_DCC_Profile

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and send new sensor.bin file using iss_send_dcc_file network command	New DCC profile must be used from the QSPI memory There should be a print on console indicating that	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640		

	ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-74: ISS_Capture_OV10640_2PASS_WDR_Clear_DCC_Profile

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and clear DCC profile from QSPI using iss_clear_dcc_qspi_mem network command	There should not be any error/assertion in cleaning dcc profile in qspi	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-47: ISS_Capture_OV10640_LM

Summary:

Linear mode - basic ISS functionality test

ISS Single channle Capture UC with OV10640

Input : OV10640 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/Display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1326: Support OV10640 Raw/Bayer sensors ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1429: Capture + Display generic usecase using OV10640 ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1461: ISS capture - packing ADASVISION-1621: ISS: Capture Link & M2M ISP : Support MIPI RAW 12 dataformat
Keywords:	tda3xx-evm c_qualification c_integration
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.3.3.Test Suite : ISS_SingleCam_Capture_Display_IMX224

Test Case VISIONSDK-77: ISS_Capture_IMX224_LM

Summary:

Linear mode - basic ISS functionality test

ISS Single channle Capture UC with IMX224

Input : IMX224 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/Display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1577: iMX224 sensor support on TDA3x ADASVISION-1604: Support sensor frame work
Keywords:	tda3xx-evm c_qualification
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-78: ISS_Capture_IMX224_LM_Performance

Summary:

Linear mode - basic ISS, performance test

ISS Single channle Capture UC with IMX224

Input : IMX224 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed	
3	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x
Keywords:	tda3xx-evm c_regression c_performance m_iss
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-79: ISS_Capture_IMX224_LM_Dyanmic_Range

Summary:

Linear mode - dynamic range test

ISS Single channle Capture UC with IMX224

Input : IMX224 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. AE should adjust such that lowlights are visible and highlights are overexposed.	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-80: ISS_Capture_IMX224_2PASS_WDR

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with IMX224

Input : IMX224 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x
Keywords:	tda3xx-evm c_stress c_stability

Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-81: ISS_Capture_IMX224_2PASS_WDR_Performance			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed	
4	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-82: ISS_Capture_IMX224_2PASS_WDR_Dynamic_Range			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224	Capture Source shuld be IMX224 & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct in dark as well as bright regions. Dark regions maybe noisier than bright regions but NSF effect should be visible.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-83: ISS_Capture_IMX224_2PASS_WDR_AE			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Moving to dark scene should cause AE adjustment and increase in noise level.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		

Execution duration (sec):	

Test Case VISIONSDK-84: ISS_Capture_IMX224_2PASS_WDR_VTNF			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = ON, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Preview maybe noisy. Toggling between VTNF (0/1) should have visible impact on temporal noise.	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-85: ISS_Capture_IMX224_2PASS_WDR_LDC			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting	Selected ISS settings will be saved	

	Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved		
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed Preview must look undistorted	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-86: ISS_Capture_IMX224_2PASS_WDR_LDC_VTNF

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with IMX224

Input : IMX224 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = ON, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed LDC effect should be visible. If LDC has not been tuned for the lens used, it is OK if correction is not perfect but there should be no crash or corruption.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-87: ISS_Capture_IMX224_2PASS_WDR_Color_Fidelity			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Sharpness should be good. No color cast should be visible on lightbox walls and gray row of colorchecker. Colored patches should have the right hue.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-88: ISS_Capture_IMX224_2PASS_WDR_Noise_Filter			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting	Selected ISS settings will be saved	

	Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved		
3	Run 1CH ISS capture + ISS + Display UC Adjust lens to right focal length. Ensure dark lighting.	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Sharpness should be good.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-89: ISS_Capture_IMX224_2PASS_WDR_DUMP_RAW_FRAMES			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Capture RAW images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-90: ISS_Capture_IMX224_2PASS_WDR_DUMP_YUV_FRAMES			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Capture YUV images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts YUV frame must match the display.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-91: ISS_Capture_IMX224_2PASS_WDR_Read_Sensor_Reg			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	

4	Open Command Prompt on Host machine Use the command iss_read_sensor_reg to read chip ID (0x3000) and exposure register (0x3082)	Chip ID and exposure value must be read correctly	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-92: ISS_Capture_IMX224_2PASS_WDR_Write_Sensor_Reg

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with IMX224

Input : IMX224 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Use the command iss_write_sensor_reg to write 0, 4, 8 and c one by one to the exposure register (0x3082)	Change of exposure value must be clearly visible on the display	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-93: ISS_Capture_IMX224_2PASS_WDR_Save_DCC_Profile			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Get the sensor.bin file from driver and save it using iss_save_dcc_file network command	There should not be any error/assertion in saving dcc file	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-94: ISS_Capture_IMX224_2PASS_WDR_Send_DCC_Profile			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with IMX224 Input : IMX224 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting	Selected ISS settings will be saved	

	Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved		
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and send new sensor.bin file using iss_send_dcc_file network command	New DCC profile must be used from the QSPI memory There should be a print on console indicating that	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-95: ISS_Capture_IMX224_2PASS_WDR_Clear_DCC_Profile

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with IMX224

Input : IMX224 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as IMX224 & Display Output as HDMI 1080P	Capture Source shuld be IMX224 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR Line Interleaved	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and clear DCC profile from QSPI using iss_clear_dcc_qspi_mem network command	There should not be any error/assertion in cleaning dcc profile in qspi	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1577: iMX224 sensor support on TDA3x		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		

Execution duration (sec):	

1.4.3.4.Test Suite : ISS_SingleCam_Capture_Display_OV2775

Test Case VISIONSDK-248: ISS_Capture_OV2775_LM			
Summary: Linear mode - basic ISS functionality test ISS Single channle Capture UC with OV2775 Input : OV2775 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/Display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV2775 & Display Output as HDMI 1080P	Capture Source shuld be OV2775 & Display device as HDMI 1080P	
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1604: Support sensor frame work		
Keywords:	tda3xx-evm tda2px-evm c_stress c_qualification c_stability		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-291: ISS_Capture_OV2775_LM_performance			
Summary: Linear mode - basic ISS functionality test ISS Single channle Capture UC with OV2775 Input : OV2775 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/Display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV2775	Capture Source shuld be OV2775 & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	
3	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1604: Support sensor frame work		
Keywords:	tda3xx-evm tda2px-evm c_regression c_performance c_qualification m_iss		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-315: ISS_Capture_OV2775_LM_LDC_VTNF

Summary:

Linear mode - basic ISS functionality test

ISS Single channle Capture UC with OV2775

Input : OV2775 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/Display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV2775 & Display Output as HDMI 1080P	Capture Source shuld be OV2775 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = ON, WDR = OFF	Selected ISS settings will be saved	
3	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1604: Support sensor frame work		
Keywords:	tda3xx-evm tda2px-evm c_stress		

	c_qualification c_stability
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.3.5.Test Suite : ISS_SingleCam_Capture_Display_AR0143

Test Case VISIONSDK-254: ISS_Capture_AR0143_LM			
Summary: Linear mode - basic ISS functionality test ISS Single channle Capture UC with AR0143 Input : AR0143 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/Display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR0143 & Display Output as HDMI 1080P	Capture Source shuld be AR0143 & Display device as HDMI 1080P	
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	
Execution type:	Manual		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1604: Support sensor frame work ADASVISION-1701: AR143 (MARs) Camera and Fusion board support on TDA2Px		
Keywords:	tda3xx-evm c_stress c_qualification c_stability		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-292: ISS_Capture_AR0143_LM_Performance
Summary: Linear mode - basic ISS functionality test ISS Single channle Capture UC with AR0143 Input : AR0143 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/Display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR0143 & Display Output as HDMI 1080P	Capture Source shuld be AR0143 & Display device as HDMI 1080P	
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	
3	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	

Execution type:	Manual
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1604: Support sensor frame work ADASVISION-1701: AR143 (MARs) Camera and Fusion board support on TDA2Px
Keywords:	tda3xx-evm c_regression c_performance c_qualification m_iss
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-334: ISS_Capture_AR143_1PASS_WDR

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR143

Input : AR143 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 1 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	

Execution type:	Automated

Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1604: Support sensor frame work
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-335: ISS_Capture_AR143_2PASS_WDR

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR143

Input : AR143 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes
Keywords:	tda3xx-evm c_stress c_stability
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (sec):	
Execution notes	ADASVISION-1848: [TDA3x/TDA2Px] Known Image Quality issue with 2A & AEWB

Test Case VISIONSDK-336: ISS_Capture_AR143_2PASS_WDR_Performance			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR143 Input : AR143 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed	
4	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1604: Support sensor frame work		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-337: ISS_Capture_AR143_2PASS_WDR_Dynamic_Range			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR143 Input : AR143 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting	Selected ISS settings will be saved	

	Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR		
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct in dark as well as bright regions. Dark regions maybe noisier than bright regions but NSF effect should be visible.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Failed**		
Execution Mode:	**Manual**		
Execution duration (sec):			
Execution notes	ADASVISION-1848: [TDA3x/TDA2Px] Known Image Quality issue with 2A & AEWB		

Test Case VISIONSDK-338: ISS_Capture_AR143_2PASS_WDR_AE

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR143

Input : AR143 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Noise levels should be very low. Moving to dark scene should cause AE adjustment and increase in noise level.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1456: ISS capture - mode ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input		

Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-339: ISS_Capture_AR143_2PASS_WDR_VTNF

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR143

Input : AR143 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = ON, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed All the details in the scene should be visible. Preview maybe noisy. Toggling between VTNF (0/1) should have visible impact on temporal noise.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1479: ISS M2M (LDC + VTNF) - VTNF data format ADASVISION-1481: ISS M2M (LDC + VTNF) - VTNF create time config ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**

Execution duration (sec):	

Test Case VISIONSDK-340: ISS_Capture_AR143_2PASS_WDR_LDC			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR143 Input : AR143 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed Preview must look undistorted	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1477: ISS M2M (LDC + VTNF) - LDC selection ADASVISION-1478: ISS M2M (LDC + VTNF) - LDC data format ADASVISION-1480: ISS M2M (LDC + VTNF) - LDC create time config ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-341: ISS_Capture_AR143_2PASS_WDR_LDC_VTNF
Summary: WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR143

Input : AR143 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR143 & Display Output as HDMI 1080P	Capture Source shuld be AR143 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = ON, WDR = 2 PASS WDR	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed LDC effect should be visible. If LDC has not been tuned for the lens used, it is OK if correction is not perfect but there should be no crash or corruption.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1257: AR0143 Sensor Support ADASVISION-1456: ISS capture - mode ADASVISION-1457: ISS capture - interface ADASVISION-1459: ISS capture - resolution ADASVISION-1467: ISS M2M -ISP - GLBCE selection ADASVISION-1468: ISS M2M -ISP - resizer ADASVISION-1469: ISS M2M -ISP - output dataformat ADASVISION-1470: ISS M2M -ISP - input data format ADASVISION-1472: ISS M2M -ISP - WDR modes ADASVISION-1473: ISS M2M -ISP - resizer ADASVISION-1475: ISS M2M - H3A ADASVISION-1477: ISS M2M (LDC + VTNF) - LDC selection ADASVISION-1478: ISS M2M (LDC + VTNF) - LDC data format ADASVISION-1479: ISS M2M (LDC + VTNF) - VTNF data format ADASVISION-1480: ISS M2M (LDC + VTNF) - LDC create time config ADASVISION-1481: ISS M2M (LDC + VTNF) - VTNF create time config ADASVISION-1482: ISS M2M (LDC + VTNF) - general ADASVISION-1483: ISS M2M RSZ - resizer ADASVISION-1484: ISS M2M RSZ - output dataformat ADASVISION-1485: ISS M2M RSZ - input data format ADASVISION-1490: Algorithm Link ISS 2A - Auto-exposure using H3A data as input ADASVISION-1491: Algorithm Link ISS 2A - Auto-white balance using H3A data as input ADASVISION-1492: Algorithm Link ISS 2A - Auto-exposure for WDR mode operation using H3A data as input
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.3.6.Test Suite : ISS_SingleCam_Capture_Display_AR132

Test Case VISIONSDK-263: ISS_Capture_AR132_LM

Summary:

Linear mode - basic ISS functionality test

ISS Single channle Capture UC with AR132

Input : AR132 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/Display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1327: Support AR0132 HiSPI Raw/Bayer sensors ADASVISION-1328: Support AR0132 sensor with Parallel RAW 12-bit companded input format ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1435: Basic AR0132 capture + display use case ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1461: ISS capture - packing ADASVISION-1464: ISS capture -non OTF mode - output dataformat ADASVISION-1590: TDA3x - AR0132 sensor support
Keywords:	tda3xx-evm c_stress c_qualification c_stability
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-264: ISS_Capture_AR132_LM_Performance

Summary:

Linear mode - basic ISS, performance test

ISS Single channle Capture UC with AR132

Input : AR132 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed.	
3	Press "P" & check for FPS	FPS should be in the range 29.5 - 30.5	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1327: Support AR0132 HiSPI Raw/Bayer sensors ADASVISION-1328: Support AR0132 sensor with Parallel RAW 12-bit companded input format ADASVISION-1590: TDA3x - AR0132 sensor support
Keywords:	tda3xx-evm c_regression c_performance m_iss
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-265: ISS_Capture_AR132_LM_LDC_VTNF

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR132

Input : AR132 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = ON, WDR = OFF	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed LDC effect should be visible. If LDC has not been tuned for the lens used, it is OK if correction is not perfect but there should be no crash or corruption.	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support ADASVISION-1591: TDA3x - AR0132 sensor Shall support capture from AR0132 Monochrome / Bayer sensor in RAW12 format ADASVISION-1593: TDA3x - AR0132 sensor M2M SIMCOP shall support single channel lens distortion correction and noise
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-266: ISS_Capture_AR132_LM_DUMP_RAW_FRAMES			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR132 Input : AR132 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = OFF	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC Capture RAW images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts	
Execution type:	Manual		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support ADASVISION-1593: TDA3x - AR0132 sensor M2M SIMCOP shall support single channel lens distortion correction and noise		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-267: ISS_Capture_AR132_LM_DUMP_YUV_FRAMES			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR132 Input : AR132 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = ON, VTNF = OFF, WDR = OFF	Selected ISS settings will be saved	

3	Run 1CH ISS capture + ISS + Display UC Capture YUV images using n/w tool	Display must come up and no buffer drops should be observed Captured images must be free of artifacts YUV frame must match the display.	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support ADASVISION-1593: TDA3x - AR0132 sensor M2M SIMCOP shall support single channel lens distortion correction and noise		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-268: ISS_Capture_AR132_LM_Read_Sensor_Reg			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR132 Input : AR132 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = OFF	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Use the command iss_read_sensor_reg to read chip ID (0x3000) and exposure register (0x3082)	Chip ID and exposure value must be read correctly	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		

Execution duration (sec):	

Test Case VISIONSDK-269: ISS_Capture_AR132_LM_Write_Sensor_Reg			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR132 Input : AR132 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = OFF	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Use the command iss_write_sensor_reg to write 0, 4, 8 and c one by one to the exposure register (0x3082)	Change of exposure value must be clearly visible on the display	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-270: ISS_Capture_AR132_LM_Save_DCC_Profile			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR132 Input : AR132 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	

2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = OFF	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine Get the sensor.bin file from driver and save it using iss_save_dcc_file network command	There should not be any error/assertion in saving dcc file	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-271: ISS_Capture_AR132_LM_Send_DCC_Profile

Summary:

WDR mode - basic ISS functionality test

ISS Single channle Capture UC with AR132

Input : AR132 sensor

Output : HDMI 1080P

Preconditions:

Verify that Capture/display is running on IPU1-0 at 30fps

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = OFF	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and send new sensor.bin file using iss_send_dcc_file network command	New DCC profile must be used from the QSPI memory There should be a print on console indicating that	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		

Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-272: ISS_Capture_AR132_LM_Clear_DCC_Profile			
Summary: WDR mode - basic ISS functionality test ISS Single channle Capture UC with AR132 Input : AR132 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132 & Display Output as HDMI 1080P	Capture Source shuld be AR132 & Display device as HDMI 1080P	
2	Go to ISS setting Select LDC = OFF, VTNF = OFF, WDR = OFF	Selected ISS settings will be saved	
3	Run 1CH ISS capture + ISS + Display UC	Display must come up and no buffer drops should be observed. Exposure and colors should look correct.	
4	Open Command Prompt on Host machine and clear DCC profile from QSPI using iss_clear_dcc_qspi_mem network command	There should not be any error/assertion in cleaning dcc profile in qspi	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1590: TDA3x - AR0132 sensor support		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-286: ISS_Capture_AR132_LM_Monochrome			
Summary: Linear mode - basic ISS functionality test ISS Single channel Capture + ISS ISP Monochrome Display UC with AR132 Input : AR132 sensor Output : HDMI 1080P			
Preconditions: Verify that Capture/Display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR132	Capture Source shuld be AR132 & Display device as HDMI 1080P	

	& Display Output as HDMI 1080P		
2	Run "1CH ISS capture (AR0132) + ISS ISP Monochrome + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	

Execution type:	Manual
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1435: Basic AR0132 capture + display use case ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1590: TDA3x - AR0132 sensor support ADASVISION-1592: TDA3x - AR0132 sensor Shall support processing of RAW12 monochrome data in ISP LINK
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.3.7.Test Suite : ISS_Capture_Display_IPU_SMP_BIOS

Test Case VISIONSDK-358: ISS_Capture_Display_Input_OV10640_Output_HDMI_1080P

Summary:

Capture Display UC with IPU SMP BIOS

supported on TDA3x/RVP

Input : OV10640

Output : HDMI 1080P

Preconditions:

Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps

Binaries should be built with IPU_SMP_BIOS=yes

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10640 & Display Output as HDMI 1080P	Capture Source shuld be OV10640 & Display device as HDMI 1080P	
2	Run ISS 1 Ch capture + Display UC	Display must come up and no buffer drops should be observe	
3	Run other available UCs	Should be able to run UCs without any issues	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1835: Enable SMP support for IPU1_0 and IPU1_1
Keywords:	None
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**

Execution duration (sec):	

Test Case VISIONSDK-307: ISS_dump_frames_various_tap_points			
Summary: ISS Single channle Capture UC with AR140/OV10640/IMX224 Input : AR140/OV10640/IMX224 sensor Output : HDMI 1080P			
Preconditions: Binaries should built with NDK enabled Verify that Capture/Display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as AR140/OV10640/IMX224 & Display Output as HDMI 1080P	Capture Source shuld be AR140/OV10640/IMX224 & Display device as HDMI 1080P	
2	Run "1CH ISS capture + ISS ISP + ISS LDC+VTNF + Display" UC	Display must come up and no buffer drops should be observed Exposure and colors should look correct. Most important - white/grey objects should not have any color cast	
3	Run DCC tool for ISS image tuning Connect to target EVM (using IP) & dump frames from various tap-points	should be able to dump frames from various tap-points	
Execution type:	Manual		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1395: 1CH 720p30 CSI2/LVDS/Paralle capture + ISS ISP M2M WDR + ISS M2M LDC+VTNF + Display ADASVISION-1436: Basic Capture + ISP processing + display use case ADASVISION-1511: ISS tuning tool ADASVISION-1587: TDA3x ISS UC - SDK links and Utils to support static memory allocation ADASVISION-1600: ISS - add various tap-points for dumping the frames ADASVISION-1604: Support sensor frame work ADASVISION-1671: APIs to read UB960/964/954/953 status registers and to enable test pattern		
Keywords:	None		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-357: ISS_Capture_OV10640_Output_ARGB32			
Summary: ISS Capture display UC supported on TDA3x Input : OV10640 Sensor Output : ARGB32 over resizer window			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution

			Status:
1	Enable use-case in test suite& build Load Testsuite binaries on TDA3xx EVM & Run	Check Logs of iss_isp_display use-case Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1927: ARGB32 output support for Iss_memResizer Link		
Keywords:	None		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.4.Test Suite : TIDL

1.4.4.1.Test Suite : TIDL_FILE_IO

Test Case VISIONSDK-158: TIDL_File_IO_UC_DSP_Performance			
Summary: TIDL File IO UC on DSP: Check Performance numbers			
Preconditions: Verify below files should be present in SD card 1. Use case config file (TIDLCFG.TXT) 2. IN.RGB 3. PRM.BIN 4. NET.BIN			
#:	Step actions:	Expected Results:	Execution Status:
1	1. Select TIDL File IO UC from Main Menu 2. Select DSP 3. Select Dump Output frmaes to file	Frame will be dumped to SD card as OUT.BIN	
2	Press "P" to check performance numbers	On DSP should be <=120sec	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1163: Deep learning demo ADASVISION-1201: Validate TIDL use case on TDA3x		
Keywords:	tda2xx-evm tda3xx-evm c_performance		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-159: TIDL_File_IO_UC_DSP_Dump_Frames_File
Summary: TIDL File IO UC on DSP: Dumping frmaes to File
Preconditions: Verify below files should be present in SD card 1. Use case config file (TIDLCFG.TXT) 2. IN.RGB

3. PRM.BIN

4. NET.BIN

#:	Step actions:	Expected Results:	Execution Status:
1	1. Select TIDL File IO UC from Main Menu 2. Select DSP 3. Select Dump Output frmaes to file	Frame will be dumped to SD card as OUT.BIN	
2	Compare with Reference output	On comparing no differences should be seen	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1163: Deep learning demo ADASVISION-1201: Validate TIDL use case on TDA3x
Keywords:	tda2xx-evm tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-160: TIDL_File_IO_UC_DSP_Free_Run

Summary:

TIDL File IO UC on DSP:

Free Run

Preconditions:

Verify below files should be present in SD card

1. Use case config file (TIDLCFG.TXT)

2. IN.RGB

3. PRM.BIN

4. NET.BIN

#:	Step actions:	Expected Results:	Execution Status:
1	1. Select TIDL File IO UC from Main Menu 2. Select DSP 3. Select Free run	No Display & also No Frame will be dumped to SD card	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1163: Deep learning demo ADASVISION-1201: Validate TIDL use case on TDA3x
Keywords:	tda2xx-evm tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**

Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-161: TIDL_File_IO_UC_EVE_Performance			
Summary: TIDL File IO UC on EVE: Check Performance numbers			
Preconditions: Verify below files should be present in SD card 1. Use case config file (TIDLCFG.TXT) 2. IN.RGB 3. PRM.BIN 4. NET.BIN			
#:	Step actions:	Expected Results:	Execution Status:
1	1. Select TIDL File IO UC from Main Menu 2. Select EVE 3. Select Dump Output frmaes to file	Frame will be dumped to SD card as OUT.BIN	
2	Press "P" to check performance numbers	On EVE should be <=450sec	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1163: Deep learning demo ADASVISION-1201: Validate TIDL use case on TDA3x		
Keywords:	tda2xx-evm tda3xx-evm c_performance		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-162: TIDL_File_IO_UC_EVE_Dump_Frames_File			
Summary: TIDL File IO UC on EVE: Dump frames to file			
Preconditions: Verify below files should be present in SD card 1. Use case config file (TIDLCFG.TXT) 2. IN.RGB 3. PRM.BIN 4. NET.BIN			
#:	Step actions:	Expected Results:	Execution Status:
1	1. Select TIDL File IO UC from Main Menu 2. Select EVE	Frame will be dumped to SD card as OUT.BIN	

	3. Select Dump Output frmaes to file		
2	Compare with Reference output	On comparing no differences should be seen	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1163: Deep learning demo ADASVISION-1201: Validate TIDL use case on TDA3x		
Keywords:	tda2xx-evm tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-163: TIDL_File_IO_UC_EVE_Free_Run			
Summary: TIDL File IO UC on EVE: Free Run			
Preconditions: Verify below files should be present in SD card 1. Use case config file (TIDLCFG.TXT) 2. IN.RGB 3. PRM.BIN 4. NET.BIN			
#:	Step actions:	Expected Results:	Execution Status:
1	1. Select TIDL File IO UC from Main Menu 2. Select EVE 3. Select Free run	No Display & also No Frame will be dumped to SD card	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1163: Deep learning demo ADASVISION-1201: Validate TIDL use case on TDA3x		
Keywords:	tda2xx-evm tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.5.Test Suite : MISC

1.4.5.1.Test Suite : SyncLink

Test Case VISIONSDK-187: VIP_Capture_Sync_Null			
Summary: Single Cam Capture Sync Null UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : Null			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of Capture Sync Null UC Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1518: Synchronization of frames across multiple channels		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm m_connector_links		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.5.2.Test Suite : DupLink

Test Case VISIONSDK-165: VIP_Capture_Dup_Display			
Summary: Single Cam Capture Dup Display UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of Capture Dup Display UC Capture should be running on IPU1-0 at 30fps and	

		display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1519: duplication of output		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm m_connector_links		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.5.3.Test Suite : MergeLink

Test Case VISIONSDK-166: VIP_Capture_Merge_Display			
Summary: Single Cam Capture Merge Display UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of Capture Merge Display UC Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1520: Merging of multiple outputs		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm m_connector_links		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.5.4.Test Suite : StatisticsLogs

Test Case VISIONSDK-211: VIP_SingleCam_Capture_Display_Statistics_Logs
Summary:

Capture Display UC Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
3	Press "P"	It should print all performance statistics 1. Load on all cores 2. DDR BW usage 3. FPS for each Link 4. Latency to process frames	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1536: System debug logs ADASVISION-1537: Statistics logs ADASVISION-1538: latency measurement ADASVISION-1539: system loading ADASVISION-1540: DDR BW measurement ADASVISION-1541: Global timestamp ADASVISION-1563: Vision SDK Print Statistics for PM		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-212: Print_PRCM_Statistics_Dpll_Status			
Summary: Print PRCM Statistics Dpll Status			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM Statistics Press "1" for Dpll Status	On selecting "1" should print DPLL Statistics	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for		

	TDA2x/TDA3x/TDA2Ex ADASVISION-1562: power mamagemant - Profilling Support for Actual CPU idle time ADASVISION-1563: Vision SDK Print Statistics for PM
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-213: Print_PRCM_Statistics_Temperature			
Summary: Print PRCM Statistics Temperature			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM Statistics Press "2" for Temperature	On selecting "2" should print current min & max temperature on all cores	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1566: PM - VSDKPRINTSTATS: Print the Temperature		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-214: Print_PRCM_Statistics_Voltage			
Summary: Print PRCM Statistics Voltage			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM Statistics Press "3" for Voltage	On selecting "3" should print voltage usage	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		

Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1567: PM - VSDKPRINTSTATS: Print the Voltage
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-215: Print_PRCM_Statistics_Module_Power_State

Summary:

Print PRCM Statistics Module Power State

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM Statistics Press "4" for Module Power State	On selecting "4" should print Module Power State Module Name & Module state Module SIDLE State Clock Activite State Power Domain State	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1565: PM - VSDKPRINTSTATS: Print Module Power State
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-216: Print_PRCM_Statistics_CPU_Frequency

Summary:

Print PRCM Statistics CPU Frequency

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM	On selecting "5" should print Frequency of all	

	Statistics Press "5" for CPU Frequency	cores	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1564: PM - VSDKPRINTSTATS: Print Module Frequencies
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-217: Print_PRCM_Statistics_Peripherals_Frequency

Summary:

Print PRCM Statistics Peripherals Frequency

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM Statistics Press "6" for Peripherals Frequency	On selecting "6" should print Peripherals Frequency of QSPI & DSS	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1564: PM - VSDKPRINTSTATS: Print Module Frequencies
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-218: Print_PRCM_Statistics_Prcm_Register_Data

Summary:

Print PRCM Statistics Prcm Register Data

#:	Step actions:	Expected Results:	Execution

			Status:
1	Go to System Settings -> Print PRCM Statistics Press "7" for Prcm Register Data	On selecting "6" should print Prcm Register Data of all POWER DOMAIN Reg. Address & Value	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1565: PM - VSDKPRINTSTATS: Print Module Power State
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-219: Print_PRCM_Statistics_Power_Consumption

Summary:

Print PRCM Statistics Power Consumption

Supported only on TDA2x

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM Statistics Press "8" for Power Consumption	On selecting "8" should print Power Consumption	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1565: PM - VSDKPRINTSTATS: Print Module Power State
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-220: Print_PRCM_Statistics_All_PRCM_Stats

Summary:

Print PRCM Statistics All PRCM Stats			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings -> Print PRCM Statistics Press "9" for All PRCM Stats	On selecting "9" should print All PRCM Stats Dpll Status Temperature Voltage Module Power State CPU frequency Peripherals Frequency Prcm register Data Power Consumption	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1536: System debug logs ADASVISION-1537: Statistics logs ADASVISION-1538: latency measurement ADASVISION-1539: system loading ADASVISION-1540: DDR BW measurement ADASVISION-1541: Global timestamp ADASVISION-1561: power mamagemant Software Enhancements and Advanced Features for TDA2x/TDA3x/TDA2Ex ADASVISION-1563: Vision SDK Print Statistics for PM ADASVISION-1564: PM - VSDKPRINTSTATS: Print Module Frequencies ADASVISION-1565: PM - VSDKPRINTSTATS: Print Module Power State ADASVISION-1566: PM - VSDKPRINTSTATS: Print the Temperature ADASVISION-1567: PM - VSDKPRINTSTATS: Print the Voltage		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.5.5.Test Suite : FATFS

Test Case VISIONSDK-228: File_IO_UC_MMCSD_IPU1_0			
Summary: File IO UC using MMCSD on IPU1_0 Read AppImage from SD card & write back same to SD card			
Preconditions: Verify FATFS running IPU1_0 Build SDK with FATFS flags enabled & NDK disabled and FATFS lib on IPU1_0			
#:	Step actions:	Expected Results:	Execution Status:
1	1. Select File IO UC from Menu	No Display	

		On console, Time taken to read & write should be displayed	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1524: Dummy source with file read ADASVISION-1595: Support for FAT File system with MMC/SD card. (When networking is enabled FAT FS is disabled) ADASVISION-1601: SD card file system support with VSDK ADASVISION-743: FAT FS throughput measurements and optimizations		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.4.5.6.Test Suite : Limp_Home_Mode

Test Case VISIONSDK-277: Limp_Home_Mode			
Summary: Limp Home Mode UC Input : HDMI Output : HDMI 1080P			
Preconditions: Verify whether display shows a smooth stitching of the single cam views PD+TSR+VD+LD+TLR+SFM All running at 15fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as HDMI & Display Output as HDMI 1080P	Capture Source shuld be HDMI & Display device as HDMI 1080P	
2	Run 1CH VIP capture (HDMI) + FrontCam Analytics 2 (PD+TSR+VD+LD+TLR+SFM) (DSPx, EVEx) + Display UC	Display must come up and no buffer drops should be observe	
3	Press "t"	Should Show Thermal Configuration Menu	
4	Choose below listed options one by one by one 1: Change THOT Temperature 2: Change TCOLD Temperature 3: Show current THOT Temperature 4: Show current TCOLD Temperature 5: Change Threshold Step Size 6: Show Limp Home Status 7: Switch to Limp Home Mode 8: Return to Normal Usecase Mode x: Exit Thermal Menu	Option should be selected On pressing "1" should display temperature to change ranging from 10 -100 deg c On pressing "2" should display temperature to change ranging from 10 -100 deg c On pressing "3" should display current THOT temperature On pressing "4" should display current TCOLD temperature On pressing "5" should display temperature to change ranging from 3 - 15 deg c On pressing "6" should display current Limp Home Status (Limp Home Mode = ACTIVE!! or IN-ACTIVE!! should display on console)	

		On pressing "7" should switch to Limp Home Mode On pressing "8" Return to Normal Usecase Mode On pressing "x" should Exit from Thermal menu	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1527: API config outbound check ADASVISION-1568: PM - Limp Home Mode on Vision SDK ADASVISION-1569: PM - VSDKLIMPHOME: Demonstration of Limp Home ADASVISION-1607: EU-NCAP demo support with TDA2X/3X
Keywords:	tda2xx-evm tda3xx-evm tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.5.7.Test Suite : Task_time_measure_utility

Test Case VISIONSDK-289: VIP_Capture_Display_task_time_measure_utility			
Summary: Capture Display UC supported on all platforms Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
3	Press "4" for Demonstrate Task Timer utility	On console should print Global time taken & actual time taken by utility for function	

Execution type:	Automated
Estimated exec. duration (sec):	60.00
Priority:	Medium
Requirements	ADASVISION-1199: Utility to measure time taken for a function in multi-task environment ADASVISION-1381: 1CH VIP capture + Display
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6

Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.5.8.Test Suite : TLFW_verify

Test Case VISIONSDK-309: TLFW_verification			
Summary: Verifying testlink fw			
Preconditions: staf should be running			
#:	Step actions:	Expected Results:	Execution Status:
1	1. Add all vision SDk test cases to test link, Map with requirements from JIRA 2. Create a test plan & under that create a build 3. Add test cases to execute for that particular build 4. Trigger all automated test cases from test link 5. Execute remaining manual test cases from test link 6. Generate test report	User should be able to trigger all automated test cases from test link & also able to update test result for manula test cases	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-369: Deploy TestLink for VSDK test-case management and automation		
Keywords:	None		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-325: VSDK_restructuring_directory_structure			
Summary: restructuring directory structure for VSDk 3.0 release			
#:	Step actions:	Expected Results:	Execution Status:
1	Restructure directory structure for VSDK into separate Folder as below link_fw Make System (Common for FW & all Apps modules) sample_app apps algorithms docs testsuite	Directory structure should be as stated	
Execution type:	Manual		
Estimated exec. duration (sec):			

Priority:	Medium
Requirements	ADASVISION-1205: VSDK 3.0 restructuring ADASVISION-929: SDK FW and App separation
Keywords:	None
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.6.Test Suite : ECC_FFI

Test Case VISIONSDK-121: Capture_FrameCopy_FFI_DSP1_Display			
Summary: ECC FFI UC - 1CH VIP capture + QM Alg Frame Copy with FFI (DSP1) + Display Input : OV10635 sensor Output : HDMI 1080P			
Preconditions: Ensure Binaries build with ECC_FFI_INCLUDE=yes Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run "1CH VIP capture + QM Alg Frame Copy with FFI (DSP1) + Display " UC	Display must come up and no buffer drops should be observed Performance stats must match with Datasheet	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1502: FFI (DSP CPU) - XMC ADASVISION-1505: FFI (DSP EDMA & EVE) - L3FW ADASVISION-1506: EMIF ECC support ADASVISION-1510: DCC support		
Keywords:	None		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-122: Capture_FrameCopy_FFI_EVE1_Display			
Summary: ECC FFI UC - 1CH VIP capture + QM Alg Frame Copy with FFI (EVE1) + Display (TDA3x only) Input : OV10635 sensor Output : HDMI 1080P			
Preconditions: Ensure Binaries build with ECC_FFI_INCLUDE=yes Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run "1CH VIP capture + QM Alg Frame Copy with FFI (EVE1) + Display (TDA3x only)" UC	Display must come up and no buffer drops should be observed Performance stats must match with Datasheet	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		

Priority:	Medium
Requirements	ADASVISION-1505: FFI (DSP EDMA & EVE) - L3FW ADASVISION-1506: EMIF ECC support
Keywords:	None
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.7.Test Suite : IPC_LIB

Test Case VISIONSDK-123: IPC_LIB			
Summary: IPC LIB UC Input : OV10635 sensor Output : HDMI 1080P			
Preconditions: Build binaries for all platform with IPC_LIB_INCLUDE=yes Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run all UCc one by one from UC menu	Display must come up and no buffer drops should be observed Performance stats must match with Datasheet	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-925: Safe IPC implementation and integration with Vision SDK		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm m_ipc		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-240: Low_Latency_IPC			
Summary: Low Latency IPC UC Input : OV10635 sensor Output : HDMI 1080P			
Preconditions: Build binaries for all platform with IPC_LIB_INCLUDE=yes & WORKQ_INCLUDE=yes Verify that Capture/display is running on IPU1-0 at 30fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run all UCc one by one from UC menu	Display must come up and no buffer drops should be observed Performance stats must match with Datasheet	
Execution type:	Manual		
Estimated exec. duration (sec):			

Priority:	Medium
Requirements	ADASVISION-1137: Low latency IPC support in VSDK to reduce the CPU load and latency ADASVISION-925: Safe IPC implementation and integration with Vision SDK
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.4.8.Test Suite : RTI

Test Case VISIONSDK-226: VIP_Capture_Display_suspend_IPU1_0			
Summary: Capture Display UC Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps verify RTI configuration with expiry detection and recovery support Load the binaries using CCS/SD card			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
3	Suspend/reset the IPU core through CCS	System should re-start automatically RTI logs should displayed on console	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1509: RTI support ADASVISION-1594: RTI configuration with expiry detection and recovery support		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-227: VIP_Capture_FrameCopy_Display_suspend_DSP_EVE
Summary: Capture Framecopy Display UC on DSP1/EVE1 Input : OV10635 Output : HDMI 1080P
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps verify RTI configuration with expiry detection and recovery support Load the binaries using CCS/SD card

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Framecopy + Display UC	Display must come up and no buffer drops should be observe	
3	Suspend/reset the DSP/EVE core through CCS	CPU load bar of suspended core shown as red RTI logs should displayed on console	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1509: RTI support ADASVISION-1594: RTI configuration with expiry detection and recovery support		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.5.Test Suite : Open_Compute

1.5.1.Test Suite : OpenVX

Test Case VISIONSDK-223: OpenVX_Confirmation_Test			
Summary: OpenVX Confirmation Test v1.1 supported on both Bios/Linux			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM Run OpenVX Confirmation Test v1.1	Confirmation test should run automatically	
Execution type:	Manual		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1553: Algorithm Link Support In place computation support ADASVISION-936: OpenVX framework - BIOS, Linux (Phase 1)		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-224: OpenVX_Tutorials			
Summary: OpenVX Tutorials supported on both Bios/Linux			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot EVM Run OpenVX Tutorials	Tutorials should run automatically	
Execution type:	Manual		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-936: OpenVX framework - BIOS, Linux (Phase 1)		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			

Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-225: VIP_Capture_OpenVX_Display_Input_OV10635_Output_HDMI_1080P			
Summary: OpenVX Capture Display UC supported on Bios Input : OV10635 Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 Sensor & Display Output as HDMI 1080P	Capture Source shuld be OV10635 Sensor & Display device as HDMI 1080P	
2	Run "VIP Single Channel Capture + OpenVX + Display" UC	Display must come up and no buffer drops should be observe	
Execution type:	Manual		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-936: OpenVX framework - BIOS, Linux (Phase 1)		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.6.Test Suite : Multi_Cam

1.6.1.Test Suite : Multi_Channel_LVDS_Capture_Display

Test Case VISIONSDK-22: VIP_4CH_Capture_Display_OV10635_913deser			
Summary: 4 Channel Capture Display UC Input : OV10635 with 913/914 deserializer Output : HDMI 1080P			
Preconditions: Verify whether display shows a smooth stitching of the 4 views in Mosaic All running at 30fps. Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run "4CH VIP Capture + Mosaic Display" UC Select "0" For Single channel mode Select "1" For Multi channel mode	On selecting "0" Display must come up with CH0 preview on full screen and no buffer drops should be observe On selecting "1" Display must come up with 4CH mosaic on full screen and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1275: VIP Capture Link to support Multi channel capture ADASVISION-1276: VIP Capture Link to support Multi channel capture ADASVISION-1277: VIP Capture Link- VIP port Config per VIP instance in multi-VIP port mode ADASVISION-1282: VIP Capture Link to support Multi instance link support ADASVISION-1294: VIP Capture Link to support Multi-channel capture upto 4CH ADASVISION-1304: Display Link - Display Multi instance support ADASVISION-1306: Display Link - HDMI display support ADASVISION-1324: multi sensors support ADASVISION-1325: support LVDS capture ADASVISION-1387: 4CH LVDS VIP Capture + VPE + Sync + Alg DMA SW Mosaic (IPU1-0) + Display ADASVISION-1580: Support for TDA2Ex (J6-Eco) in vision SDK ADASVISION-1582: Shall support LVDS multi-channel capture upto 4 channel ADASVISION-1584: Shall support all the Bios single multi camera usecases which use one DSP & M4 ADASVISION-1668: Custom SWMS link to use VPE (scalar) internally to avoid DMA copy ADASVISION-897: Add single camera campture display using lvds for all platforms		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_regression c_qualification m_capture m_display		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		

Execution duration (sec):	

Test Case VISIONSDK-132: CSI2_4CH_Capture_Display_OV10635_964deser			
Summary: 4 Channel Capture Display UC Input : OV10635 with 964 deserializer Output : HDMI 1080P			
Preconditions: Verify whether display shows a smooth stitching of the 4 views in Mosaic All running at 30fps. Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX & TDA3x)" & Display Output as HDMI 1080P	Capture Source shuld be "OV10635 Sensor for Mosaic Display - SAT0088/OV10635 (TDA2EX & TDA3x)" & Display device as HDMI 1080P	
2	Run "OV10635 & UB964 4CH CSI2 Capture + Display" UC Select "1" For Multi channel mode	On selecting "1" Display must come up with 4CH mosaic on full screen and no buffer drops should be observe	
Execution type:	Automated		
Estimated exec. duration (sec):	60.00		
Priority:	Medium		
Requirements	ADASVISION-1133: Capture & Display usecase with UB9640 & 4 modules of SAT0088 on TDA2x 17x17 package ADASVISION-1582: Shall support LVDS multi-channel capture upto 4 channel ADASVISION-1584: Shall support all the Bios single multi camera usecases which use one DSP & M4 ADASVISION-1604: Support sensor frame work		
Keywords:	tda2ex-evm tda3xx-evm tda2ex-entry		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.6.2.Test Suite : SelectLink

Test Case VISIONSDK-186: VIP_4CH_Capture_Select_Display			
Summary: Multi Cam Capture Select Display UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of LVDS Capture Select Display UC Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1521: select a particular channel		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.6.3.Test Suite : VIP_4CH_Capture_Color_To_Gray_Display

Test Case VISIONSDK-188: VIP_4CH_Capture_Color_To_Gray_Display			
Summary: Multi Cam Capture Color to Gray Display UC supported on TDA2x/TDA2Ex/TDA3x Input : OV10635 Sensor Output : HDMI 1080P			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of LVDS Capture Color to Gray Display UC Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1558: Support Sample Algorithm Link (Color to Gray Plug-Ins) with inplace buffer processing		
Keywords:	tda2xx-evm tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.6.4.Test Suite : VIP_4CH_Capture_VPE_Sync_DMA_SWMS_Display

Test Case VISIONSDK-192: VIP_4CH_Capture_VPE_Sync_DMA_SWMS_Display			
Summary: Multi Cam Capture VPE Sync DMA SWMS Display UC supported on TDA2x/TDA3x Input : OV10635 Sensor Output : HDMI 1080P On IPU/A15: System EDMA On DSP: Local DMA			
Preconditions: Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Run Testsuite	Check Logs of LVDS Capture VPE Sync DMA SWMS Display UC Capture should be running on IPU1-0 at 30fps and display should be running on IPU1-0 at 60fps	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1559: Sample Algorithm Link (DMA SW Mosaic Plug-Ins)		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm c_integration m_vpe		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.6.5.Test Suite : Rear_View_Panorama

Test Case VISIONSDK-301: RSVP_4CH_VIP_Capture_960deser_IMI			
Summary: RSVP UC: 4CH VIP Capture + Stereo (DSPx, EVEx) + Image Transform (DSP1) + Seam Detection (DSP2) + Stitching (DSP1) + Display (HDMI) (TDA3X)UC Input : IMI OV10640 with 960 deserializer Output : HDMI 1080P			
Preconditions: Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN Run SRV calibration UC if required to generate LUT.BIN Verify whether display shows a smooth stitching of all 4 cameras. All running at 30fps, Also check performance stats match with datasheet			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) & Display device as HDMI 1080P	
2	Run "4CH VIP Capture + Stereo (DSPx, EVEx) + Image Transform (DSP1) + Seam Detection (DSP2) + Stitching (DSP1) + Display (HDMI) (TDA3X)" UC	Display must come up and no buffer drops should be observed	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1432: Integrate statistics on Stereo ISP ADASVISION-1433: Integrate 2A support on Stereo ISP ADASVISION-1437: TISMO integration on DSP (C66x) ADASVISION-1438: Stereo capture use case implementation ADASVISION-1439: Stereo output interpolation and display ADASVISION-1440: Stereo performance benchmarking		
Keywords:	tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-302: RSVP_Manual_LDC_LUT_Generation
Summary: RSVP UC:

"Manual RSVP LDC LUT generation for Stereo (DSPx, EVEx) + Image Transform (DSP1) + Seam Detection (DSP2) + Stitching (DSP1) + Display (HDMI) (TDA3X)" UC

Input : IMI OV10640 with 960 deserializer

Output : HDMI 1080P

Preconditions:

Ensure TDA3x folder present in SD card with CHARTPOS.BIN & LENS.BIN

Run SRV calibration UC if required to generate LUT.BIN

Verify whether display shows a smooth stitching of all 4 cameras.

All running at 30fps, Also check performance stats match with datasheet

#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as "OV10640 Sensor for SV - IMI (TDA3x ONLY)" & Display Output as HDMI 1080P	Capture Source shuld be OV10640 Sensor for SV - IMI (TDA3x ONLY) & Display device as HDMI 1080P	
2	Run "Manual RSVP LDC LUT generation for Stereo (DSPx, EVEx) + Image Transform (DSP1) + Seam Detection (DSP2) + Stitching (DSP1) + Display (HDMI) (TDA3X)" UC	Display must come up and no buffer drops should be observed	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1432: Integrate statistics on Stereo ISP ADASVISION-1433: Integrate 2A support on Stereo ISP ADASVISION-1437: TISMO integration on DSP (C66x) ADASVISION-1438: Stereo capture use case implementation ADASVISION-1439: Stereo output interpolation and display ADASVISION-1440: Stereo performance benchmarking
Keywords:	tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.7.Test Suite : Radar

Test Case VISIONSDK-150: Radar_AR12_Capture_Null			
Summary: Radar Capture Null UC Input : AR12 Output : Null Supported on : TDA3x/TDA3x ALPS/TDA2x Cascade			
Preconditions: Ensure AR12 sensor Radar HW is connected to TDA3x EVM Debug prints will be in UART2			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA3x with Radar setup/TDA3xx ALPS Board/TDA2x Cascade	Shoul display Main Menu	
2	Run "Radar (Single AR1243) Capture + Null (TDA3xx Only) usecase" UC	No Display	
3	Press "P"	Check performance stats	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1441: AR12xx sensor capture ADASVISION-1445: RADAR processing performance benchmarking ADASVISION-992: Radar Data Processing Usecase using AR12xx Sensor Data input		
Keywords:	c_regression c_qualification tda3xx-alps tda3xx-AR12-Booster		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-152: Radar_AR12_Capture_Radar_FrameCopy_DSP1_Null			
Summary: Radar Capture Radar Frame copy on DSP1 Null UC Input : AR12 Output : Null			
Preconditions: Ensure AR12 sensor Radar HW is connected to TDA3x EVM Debug prints will be in UART2			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA3x with Radar setup/TDA3xx ALPS Board	Should display Main Menu	

2	Run "Radar (Single AR1243) Capture + Radar Frame Copy (DSP1) + Null (TDA3xx Only) usecase" UC	No Display	
3	Press "P"	Check performance stats	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1441: AR12xx sensor capture ADASVISION-1442: RADAR algorithm porting on DSP Alg link ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-992: Radar Data Processing Usecase using AR12xx Sensor Data input		
Keywords:	c_stress c_qualification c_stability tda3xx-alps tda3xx-AR12-Booster		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-154: NullSrc_Capture_Radar_FFT_EVE1_Null_Read_Frames_SDcard

Summary:

Null Source Capture(SD card) Radar FFT on EVE1 Null UC

Input : AR12

Output : Null

Preconditions:

Input files present in SD card

Debug prints will be in

UART1 for TDA2x & UART2 for TDA3x

#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA2x/TDA3x	Should display Main Menu	
2	Run "Null Source (SD/Network) Input + Radar FFT (EVE1) + Null (SD/Network)" UC Select Data Read/Write Mode as SD card	No display	
3	Press "P"	Check performance stats	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1115: [RADAR] Support for build support and file based capture read process write ADASVISION-1255: Radar Advance frame configuration & dynamic configuration support ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1442: RADAR algorithm porting on DSP Alg link ADASVISION-1445: RADAR processing performance benchmarking ADASVISION-1570: power mamagemant - CPU IDLE ADASVISION-1571: power mamagemant - CPUIDLE: MPU Core 0/1 Idle ADASVISION-1572: power mamagemant - CPUIDLE: IPU Core Idle ADASVISION-1573: power mamagemant - CPUIDLE: DSP 1/2 Core Idle ADASVISION-1574: power mamagemant - CPUIDLE: EVE 1/2/3/4 Core Idle ADASVISION-1575: PM - CPUIDLE: Vision SDK Integration of CPU IDLE ADASVISION-1699: [RADAR] Propagate each output channel info properly in RadarProcess Link Alg Plugin		

	ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-989: Radar data read from SD card ADASVISION-990: Radar Data output to SD Card ADASVISION-993: Radar Data Processing Usecase using File Sensor Data input
Keywords:	tda2xx-evm tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-155: NullSrc_Capture_Radar_FFT_EVE1_Null_Write_Frames_SDcard

Summary:

Null Source Capture(SD card) Radar FFT on EVE1 Null UC

Input : AR12

Output : Null

Preconditions:

Input files present in SD card

Debug prints will be in

UART1 for TDA2x & UART2 for TDA3x

#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA2x/TDA3x	Should display Main Menu	
2	Run "Null Source (SD/Network) Input + Radar FFT (EVE1) + Null (SD/Network)" UC Select Data Read/Write Mode as SD card	No display	
3	Select File IO menu Write single frame to SD card	Writing single frame to SD card should be successfull	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1115: [RADAR] Support for build support and file based capture read process write ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1570: power mamagemant - CPU IDLE ADASVISION-1571: power mamagemant - CPUIDLE: MPU Core 0/1 Idle ADASVISION-1572: power mamagemant - CPUIDLE: IPU Core Idle ADASVISION-1573: power mamagemant - CPUIDLE: DSP 1/2 Core Idle ADASVISION-1574: power mamagemant - CPUIDLE: EVE 1/2/3/4 Core Idle ADASVISION-1575: PM - CPUIDLE: Vision SDK Integration of CPU IDLE ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-989: Radar data read from SD card ADASVISION-990: Radar Data output to SD Card ADASVISION-993: Radar Data Processing Usecase using File Sensor Data input
Keywords:	tda2xx-evm tda3xx-evm
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-156: NullSrc_Capture_Radar_FFT_EVE1_Null_Read_Frames_NW			
Summary: Null Source Capture(Network) Radar FFT on EVE1 Null UC Input : AR12 Output : Null			
Preconditions: Ensure NDK is enabled in build Input files sent through network using network_tx Debug prints will be in UART1 for TDA2x & UART2 for TDA3x			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA2x/TDA3x	Should display Main Menu	
2	Run "Null Source (SD/Network) Input + Radar FFT (EVE1) + Null (SD/Network)" UC Select Data Read/Write Mode as Network	No display	
3	Press "P"	Check performance stats	
4	using network_ctrl tool send a diiferent parameter set	should be able to update with new parameter set	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1699: [RADAR] Propagate each output channel info properly in RadarProcess Link Alg Plugin ADASVISION-1919: Radar: Allow accepting mmwave messages from Network to translate to AWR1243 SPI commands - Base Infr ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-991: Radar data input and output via Ethernet		
Keywords:	tda2xx-evm tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-157: NullSrc_Capture_Radar_FFT_EVE1_Null_Write_Frames_NW			
Summary: Null Source Capture(Network) Radar FFT on EVE1 Null UC Input : AR12 Output : Null			
Preconditions: Ensure NDK is enabled in build Input files sent through network using network_tx Debug prints will be in UART1 for TDA2x & UART2 for TDA3x			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA2x/TDA3x	Should display Main Menu	

2	Run "Null Source (SD/Network) Input + Radar FFT (EVE1) + Null (SD/Network)" UC Select Data Read/Write Mode as Network	No display	
3	Run network_rx to dump files	Should be able to dump frmaes	
4	Using network_ctrl tool send a different parameter set	should be able to update with new parameter set	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1919: Radar: Allow accepting mmwave messages from Network to translate to AWR1243 SPI commands - Base Infr ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-991: Radar data input and output via Ethernet ADASVISION-993: Radar Data Processing Usecase using File Sensor Data input		
Keywords:	tda2xx-evm tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-232: Radar_AR12_Capture_Radar_Object_Detect_EVE1_Null			
Summary: Radar Capture Radar Object Detect on EVE1 Null UC Input : AR12 Output : Null			
Preconditions: Ensure AR12 sensor Radar HW is connected to TDA3x EVM Debug prints will be in UART2			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA3x with Radar setup/TDA3xx ALPS Board	Should display Main Menu	
2	Run "Radar (Single AR1243) Capture + Radar Object Detect (EVE1) + Null (TDA3xx Only) usecase" UC	No Display	
3	Select Normal Frame/Advanced Frame.	Depending upon selection Normal Frame/Advanced Frame should be selected	
4	Press "P"	Check performance stats	
5	Press 'c' to read back and verify parameters.	Should be able to read and verify parameters	
6	Press 'd' to dynamically change the slope.	Slope should be changed dynamically	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-992: Radar Data Processing Usecase using AR12xx Sensor Data input		
Keywords:	tda3xx-alps tda3xx-AR12-Booster		
Execution Details			
Build	REL_3_6		

Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-233: Radar_AR12_Capture_Radar_Object_Detect_EVE1_Display			
Summary: Radar Capture Radar Object Detect on EVE1 Display UC Input : AR12 Output : HDMI			
Preconditions: Ensure AR12 sensor Radar HW is connected to TDA3x EVM Debug prints will be in UART2			
#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA3x with Radar setup	Should display Main Menu	
2	Run "Radar (Single AR1243) Capture + Radar Object Detect (EVE1) + Display (TDA3xx Only) usecase" UC	Display should come up & no buffer drops should observed	
3	Select Normal Frame/Advanced Frame.	Depending upon selection Normal Frame/Advanced Frame should be selected	
4	Press "P"	Check performance stats	
5	Press 'c' to read back and verify parameters.	Should be able to read and verify parameters	
6	Press 'd' to dynamically change the slope.	Slope should be changed dynamically	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1255: Radar Advance frame configuration & dynamic configuration support ADASVISION-1268: [RADAR] Integrate Peak Detection EVE Algorithm in SDK ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1441: AR12xx sensor capture ADASVISION-1443: Radar output interpolation for display ADASVISION-1444: Simple RADAR capture + display use case ADASVISION-1672: [Radar] Add Radar System planner to the Release Package ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-988: Radar output visualization ADASVISION-990: Radar Data output to SD Card ADASVISION-992: Radar Data Processing Usecase using AR12xx Sensor Data input ADASVISION-993: Radar Data Processing Usecase using File Sensor Data input		
Keywords:	c_regression c_stress c_stability tda3xx-AR12-Booster		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-243: Radar_Flash_AR12_Firmware
Summary: Radar AR12 Firmaware Flash UC supported on TDA3x ALPS board

Input : AR12 Firmware

Preconditions:

AR12 firmware is part of binaries

Debug prints will be in UART2

#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA3xx ALPS Board	Shoul display Main Menu	
2	Run "AR12 Firmware Flash (ALPS board Only)" UC	No Display	
3	Erase AR12xx Flash	Should erase previous firmware from flash	
4	Flash AR12xx Firmware	New firmware should be flashed	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1106: [RADAR] Add support for ALPS Hardware ADASVISION-1107: [RADAR] Support for Flashing firmware to AR12 flash on ALPS
Keywords:	tda3xx-alps
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-313: Radar_AR12_Multi_Capture_Radar_FFT_EVE1_Display

Summary:

Radar Capture Radar FFT on EVE1 Display UC

Input : AR12

Output : HDMI

Preconditions:

Ensure AR12 sensor Radar HW is connected to TDA3x EVM

Debug prints will be in UART2

#:	Step actions:	Expected Results:	Execution Status:
1	Boot TDA3x/RVP with Radar setup	Should display Main Menu	
2	Run "Radar (Single AR1243) Capture + Radar FFT (EVE1) + Display (TDA3xx Only) usecase" UC	Display should come up & no buffer drops should observed	
3	Select Normal Frame/Advanced Frame.	Depending upon selection Normal Frame/Advanced Frame should be selected	
4	Press "P"	Check performance stats	
5	Press 'c' to read back and verify parameters.	Should be able to read and verify parameters	
6	Press 'd' to dynamically change the slope.	Slope should be changed dynamically	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1255: Radar Advance frame configuration & dynamic configuration support ADASVISION-1268: [RADAR] Integrate Peak Detection EVE Algorithm in SDK ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1441: AR12xx sensor capture ADASVISION-1443: Radar output interpolation for display ADASVISION-1444: Simple RADAR capture + display use case ADASVISION-1873: 4 x AWR1243 Satellite Demo ADASVISION-1875: Satellite radar chip support in Radar SDK

	ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-988: Radar output visualization ADASVISION-990: Radar Data output to SD Card ADASVISION-992: Radar Data Processing Usecase using AR12xx Sensor Data input ADASVISION-993: Radar Data Processing Usecase using File Sensor Data input
Keywords:	c_regression c_stress c_stability tda3xx-AR12-Booster
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-314: Radar_Test_Source_Object_Detection

Summary:

Radar Test Source Object Detection
Input : testdata
Output : HDMI

Preconditions:

Ensure AR12 sensor Radar HW is connected to TDA3x EVM

Debug prints will be in UART2

#:	Step actions:	Expected Results:	Execution Status:
1	Enable Macro ENABLE_TEST_SOURCE in chains_common_ar12xx.c & configure test source in ChainsCommon_ar12xxEnableTestSource	Should be able to configure test sorce	
2	Build the code by running below command make -s -j depend; make -s -j	should be able to build	
3	Run "Radar (Single AR1243) Capture + Radar Object Detect (EVE1) + Display (TDA3xx Only) usecase" UC Select Normal Frame/Advanced Frame.	Depending upon selection Normal Frame/Advanced Frame should be selected	
4	Press "P"	Check performance stats	
5	Press 'c' to read back and verify parameters.	Should be able to read and verify parameters	
6	Press 'd' to dynamically change the slope.	Slope should be changed dynamically	

Execution type:	Manual
Estimated exec. duration (sec):	
Priority:	Medium
Requirements	ADASVISION-1255: Radar Advance frame configuration & dynamic configuration support ADASVISION-1268: [RADAR] Integrate Peak Detection EVE Algorithm in SDK ADASVISION-1269: [RADAR] Integrate Beam Forming Algorithm in SDK ADASVISION-1441: AR12xx sensor capture ADASVISION-1443: Radar output interpolation for display ADASVISION-1444: Simple RADAR capture + display use case ADASVISION-1677: [RADAR] Dynamic chirp configuration and thorough dynamic configuration testing ADASVISION-985: Radar Processing Alg Plugin ADASVISION-986: Radar Processing Alg Plugin Flexibility ADASVISION-987: Radar Processing Single Alg Plugin on DSP and EVE ADASVISION-988: Radar output visualization ADASVISION-990: Radar Data output to SD Card ADASVISION-992: Radar Data Processing Usecase using AR12xx Sensor Data input ADASVISION-993: Radar Data Processing Usecase using File Sensor Data input
Keywords:	c_regression c_stress c_stability tda3xx-AR12-Booster

Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

1.8.Test Suite : Build

1.8.1.Test Suite : VSDK_Builds

Test Case VISIONSDK-249: VSDK_BIOS_different_builds			
Summary: VSDK BIOS different configuartions Build			
Preconditions: Follow UG to Install release package All ti_cmponents (including PDK) should be part of release package Copy all necessary components (gcc tool,linaro tool chain)			
#:	Step actions:	Expected Results:	Execution Status:
1	Navigate to (vsdk_install_path)/vision_sdk/build & run make -s showconfig	Should dislay config for tda2xx_evm_bios_all	
2	Modify Rules.mk file to other available MAKECONFIG & run make -s showconfig	Should display config for MAKECONFIG selected	
3	run make -s -j depend & then make -s -j	Should build binaries without any error	
4	run make -s appimage	should create Appimage	
5	run make -s sbl	Should create SBL	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1080: TDA2Px (J6+) Support with VSDK ADASVISION-1081: J6 Entry support for VSDK ADASVISION-1095: Platform support & maintainability ADASVISION-1167: Error handling requirements ADASVISION-1348: AppImage generation ADASVISION-1350: CPU selection ADASVISION-1351: Multiple Memory maps ADASVISION-1352: Multiple platforms support ADASVISION-1354: Build profile selection ADASVISION-1355: 256MB memory map ADASVISION-1356: 1GB memory map ADASVISION-1357: 128MB memory map ADASVISION-1358: 512MB memory map ADASVISION-1359: MMU configs of different CPUs ADASVISION-1360: Platform selection ADASVISION-1361: Selective builds for following links - VPE, ISS ADASVISION-1408: shall support Bios only build ADASVISION-1409: shall support bios + Liux on A15 ADASVISION-1529: Multiple heap support ADASVISION-1530: Cache configuration ADASVISION-1531: Memory config ADASVISION-1532: External Memory allocation ADASVISION-1533: Internal memory allocation from OCMC ADASVISION-1534: Internal memory allocation from DSP L2 SRAM at create time only, no run time allocation and de-alloc ADASVISION-1535: Internal memory allocation from DSP L1 SRAM ADASVISION-1570: power mamagemant - CPU IDLE ADASVISION-1571: power mamagemant - CPUIDLE: MPU Core 0/1 Idle ADASVISION-1572: power mamagemant - CPUIDLE: IPU Core Idle ADASVISION-1573: power mamagemant - CPUIDLE: DSP 1/2 Core Idle ADASVISION-1574: power mamagemant - CPUIDLE: EVE 1/2/3/4 Core Idle ADASVISION-1575: PM - CPUIDLE: Vision SDK Integration of CPU IDLE ADASVISION-1580: Support for TDA2Ex (J6-Eco) in vision SDK ADASVISION-1586: Static memory allocation in Vision SDK and its component		

	ADASVISION-1633: Migrate DSP CGT version of VSDK to use CGT 8.2.4 ADASVISION-1652: TDA2EX ETH SRV platform board Support with VSDK ADASVISION-1751: Support in the makefile to allow for file specific compile options ADASVISION-1857: [TDA3x-RVP] Support 1GB memory map ADASVISION-1980: Add support for the TDA2PX RVP to vision SDK ADASVISION-648: Improve the build time and build process ADASVISION-666: [BSP/STW] Removal of dynamic allocation from BSP and STW libraries ADASVISION-892: RVP support in vision SDK ADASVISION-930: PDK integration with Vision SDK. ADASVISION-955: RVP support in PSDK & VSDK
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp c_integration
Attached files	• BIOS Different Build Config : build_vsdk.sh • build_vsdk.sh
Execution Details	
Build	REL_3_6
Tester	x0246581
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (sec):	

Test Case VISIONSDK-278: VSDK_KW_build			
Summary: VSDK Klocwork Build			
Preconditions: Jenkin Node is up & running			
#:	Step actions:	Expected Results:	Execution Status:
1	Login to Jenkin server & trigger VSK_KW_build projet	Should build KW project & sent a report with open criticcal & major MISRA-C issues	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1353: Static code checker Klockwork ADASVISION-1517: Static code checker MISRA-C ADASVISION-1525: Follow coding guidelines		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.8.2.Test Suite : Radar_Builds

Test Case VISIONSDK-242: Radar_default_build			
Summary: Radar Default Build			
Preconditions: Follow UG to Install release package Copy all necessary components (gcc tool)			
#:	Step actions:	Expected Results:	Execution Status:
1	Navigate to (radar_install_path)/vision_sdk/build & run make -s showconfig	Should dislay config for tda3xx_evm_bios_radar	
2	Check default config	By default all IPU1_0, IPU1_1, DSP1, EVE1 are enabled Memory should be 128MB NDK should be disabled & A15_TARGET_OS=Bios	
3	run make -s -j depend & then make -s -j	Should build binaries without any error	
4	run make -s appimage	should create Appimage	
5	run make -s sbl	Should create SBL	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1108: [RADAR] Support for 128 MB build by default ADASVISION-1348: AppImage generation		
Keywords:	tda3xx-evm c_qualification		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-280: Radar_BIOS_different_builds			
Summary: Radar different configuartions Build			
Preconditions: Follow UG to Install release package All ti_cmponents (including PDK) should be part of release package Copy all necessary components (gcc tool,linaro tool chain)			
#:	Step actions:	Expected Results:	Execution Status:
1	Navigate to	Should dislay config for	

	(vsdk_install_path)/vision_sdk/build & run make -s showconfig	tda3xx_evm_bios_radar	
2	Modify Rules.mk file to other available MAKECONFIG & run make -s showconfig	Should display config for MAKECONFIG selected	
3	run make -s -j depend & then make -s -j	Should build binaries without any error	
4	run make -s appimage	should create Appimage	
5	run make -s sbl	Should create SBL	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1106: [RADAR] Add support for ALPS Hardware ADASVISION-1108: [RADAR] Support for 128 MB build by default ADASVISION-1115: [RADAR] Support for build support and file based capture read process write ADASVISION-1348: AppImage generation ADASVISION-1350: CPU selection ADASVISION-1351: Multiple Memory maps ADASVISION-1352: Multiple platforms support ADASVISION-1354: Build profile selection ADASVISION-1359: MMU configs of different CPUs ADASVISION-1360: Platform selection ADASVISION-1755: [RADAR] Add support for TDA2px EVM ADASVISION-1853: [RADAR] VSDK to support TDA2x cascade radar		
Keywords:	tda2xx-evm tda3xx-evm tda3xx_rvp tda3xx-alps tda3xx-AR12-Booster c_integration		
Attached files	• Radar Different Build Config : build_radar.sh • build_radar.sh		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.9.Test Suite : Release_Process

Test Case VISIONSDK-245: VSDK_Radar_release_check_list			
Summary:			
VSDK & Radar release check list			
Preconditions:			
VSDK & Radar RC package already installed & tested Verify that release goes through the standard release process			
#:	Step actions:	Expected Results:	Execution Status:
1	Check for licenses, mainfest, release notes, test reports, datasheets	Release shall comply for the basic release process such as export license, OSRB approval etc.	
2	Check there are test cases for all product requirements (planned in release) & executed in testing phase	Tracebility report (Req -> Test) should have all req mapped to tc Test result matrix should have nothing in "Not Run" state	
3	Check updated project plan, test paln, test strategy docs for release are all available in clearcase	All updated version of docs should be available in clearcase	
4	Check for all docs available in vision_sdk/docs folder	All upddated docs for current release should be available	
5	Check for all docs available in vision_sdk/docs folder	All upddated docs for current release should be available	
6	Check all links in the "index.html" Remove unwanted links	All links in the "index.html" should work properly	
7	Check all links in the "index.html" Remove unwanted links	All links in the "index.html" should work properly	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1094: Software release process ADASVISION-1168: SW quality requirements ADASVISION-1513: Release process ADASVISION-1528: Product requirements ADASVISION-1672: [Radar] Add Radar System planner to the Release Package ADASVISION-1675: Processor SDK Vision ti.com landing page - clean-up ADASVISION-1690: Process: Update Software Integration and Test Strategy document ADASVISION-1752: [Radar] Add Radar System planner to the Release Package ADASVISION-875: Develop a How to Debug best practices document, that outlines how to rapidly load binaries, restart		
Keywords:	None		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-246: VSDK_pacckage_creation_and_installation
Summary:

VSDK package creation & installation on windows & linux machine			
Preconditions: VSDK RC package installed & tested			
#:	Step actions:	Expected Results:	Execution Status:
1	Modify MPI files to pick correct ti_components Modify InstallJammer Environment script Trigger Jenking project for packaging	Windows & Linux installer should be created	
2	Install on windows machine Check for all customer collaterals & Build with default config	Installation should be success Release package should include all customer collaterals such as user guide, data sheet, Release notes, Test reports, Developer guide etc Build should be success	
3	Install on Linux machine Check for all customer collaterals & Build with default config	Installation should be success Release package should include all customer collaterals such as user guide, data sheet, Release notes, Test reports, Developer guide etc Build should be success	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1096: packaging and installation ADASVISION-1512: Single installer for vision SDK ADASVISION-1514: Customer collaterals		
Keywords:	c_qualification		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

Test Case VISIONSDK-247: Radar_pacckage_creation_and_installation			
Summary: Radar package creation & installation on windows & linux machine			
Preconditions: Radar RC package installed & tested			
#:	Step actions:	Expected Results:	Execution Status:
1	Modify MPI files to pick correct ti_components Modify InstallJammer Environment script Trigger Jenking project for packaging	Windows & Linux installer should be created	
2	Install on windows machine Check for all customer collaterals	Installation should be success Release package should include all customer collaterals such as user guide, data sheet, Release notes, Test reports, Developer guide etc	

	& Build with default config	Build should be success	
3	Install on Linux machine Check for all customer collaterals & Build with default config	Installation should be success Release package should include all customer collaterals such as user guide, data sheet, Release notes, Test reports, Developer guide etc Build should be success	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1096: packaging and installation ADASVISION-1514: Customer collaterals ADASVISION-917: Separate packaging for Radar SDKs		
Keywords:	c_qualification		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.10.Test Suite : Boot_Modes

1.10.1.Test Suite : Secure_Boot

Test Case VISIONSDK-229: VIP_Capture_Display_UC_HS_Sample			
Summary: Capture Display UC on HS Sample Input : OV10635 Output : HDMI 1080P			
Preconditions: Build SBL & Appimage with HS_SAMPLE=yes &load binaries on HS sample Verify that Capture is running on IPU1-0 at 30fps and display running on IPU1-0 at 60fps			
#:	Step actions:	Expected Results:	Execution Status:
1	Go to System Settings Select Capture Source as OV10635 & Display Output as HDMI 1080P	Capture Source shuld be OV10635 & Display device as HDMI 1080P	
2	Run 1 Ch VIP capture + Display UC	Display must come up and no buffer drops should be observe	
3	Run all UC one by one	Display must come up and no buffer drops should be observe	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1515: Secure boot mode ADASVISION-888: Security Enablement Ã¢Â€Â“ TDA2x ADASVISION-913: TDA3x Security - SBL		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.10.2.Test Suite : QSPI_Boot

Test Case VISIONSDK-274: Load_Binaries_using_QSPI			
Summary: Load Binaries using QSPI			
Preconditions: Build Appimage & SBL for QSPI			
#:	Step actions:	Expected Results:	Execution Status:
1	Connect EVM through CCS debug & Follow UG to set SYSBOOT PIN for CCS debug	SYSBOOT PINs should be for debug	
2	Follow UG to Flash SBL & AppImage to QSPI	SBL & AppImage should be flashed to QSPI	
3	Discoonect CCS & Follow UG to set SYSBOOT PIN for QSPI Boot	SYSBOOT PIN should be for QSPI Boot	
4	Boot EVM	EVM should boot with binaries & Display Main Menu	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1346: QSPI boot mode ADASVISION-1347: Flashing method		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.10.3.Test Suite : QSPI_SD_Boot

Test Case VISIONSDK-275: Load_Binaries_using_QSPI_SD			
Summary: Load Binaries using QSPI SD supported only on TDA3x/RVP			
Preconditions: Build Appimage & SBL for QSPI SD Boot Copy AppImage to SD card			
#:	Step actions:	Expected Results:	Execution Status:
1	Connect EVM through CCS debug & Follow UG to set SYSBOOT PIN for CCS debug	SYSBOOT PINs should be for debug	
2	Follow UG to Flash SBL	SBL should be flashed to QSPI	
3	Discoonect CCS Insert SD card to SD card slot Follow UG to set SYSBOOT PIN for QSPI SD Boot	SYSBOOT PIN should be for QSPI SD Boot	
4	Boot EVM	EVM should boot with binaries & Display Main Menu	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	ADASVISION-1344: SD boot mode ADASVISION-1347: Flashing method ADASVISION-1423: Basic board bringup (serial, pinmux, ddr, nand) using SBL ADASVISION-1425: Boot mode bringup ADASVISION-1601: SD card file system support with VSDK		
Keywords:	tda3xx-evm tda3xx_rvp		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			

1.10.4.Test Suite : CCS_Boot

Test Case VISIONSDK-332: Load_Binaries_using_CCS			
Summary: Load Binaries using CCS			
Preconditions: Build binaries			
#:	Step actions:	Expected Results:	Execution Status:
1	Connect EVM through CCS debug & Follow UG to set SYSBOOT PIN for CCS debug	SYSBOOT PINs should be for debug	
2	Load binaries on each core separately or use the ".js" script available under vision_sdk/build/rtos/scripts to load on all cores at once	Binaries should be load on each core successfully & Display main menu on uart console	
3	From Main Menu run any UC	UC should run successfully	
4	Check for few register address whether displaying proper data or not	Data should be proper	
Execution type:	Manual		
Estimated exec. duration (sec):			
Priority:	Medium		
Requirements	None		
Keywords:	tda2xx-evm tda2ex-evm tda3xx-evm tda2ex-entry tda2px-evm tda3xx_rvp tda3xx-alps tda3xx-AR12-Booster		
Execution Details			
Build	REL_3_6		
Tester	x0246581		
Execution Result:	**Passed**		
Execution Mode:	**Manual**		
Execution duration (sec):			