IPU6EP VIC Intel MIPI Camera Driver Internal Release Notes

Overview

Intended Audience

The intended audience for the release is Intel test and validation engineers, system integrators and internal customer support engineers. And the release is for Intel's internal use only.

Customer Support

Driver technique support: Wu, Airong <airong.wu@intel.com>

SW validation support: Wang, Liqiong liqiong.wang@intel.com

Release History

Date	Driver Version	Description
April 02 2022	63.22000.3.7652	Release Notes for VIC Windows Threshold MIPI Camera initial version

Contents

Introduction

This document provides general release information for MIPI Camera driver on VIC, including following information: system requirements, installation instructions, issues and limitations.

Feature Requirement

UCIS Name	Engineering Description
1	Camera Basic
2	StartStop Sound Sync
3	Dual Stream
4	Video Recording with High Performance pipe
5	Conference Call
6	Stability Tests

POR Resolution

Output Pin	Output Width	Output Height	FPS	Aspect Ratio	Format	Comment	HDMI0	HDMI1
Video	3840	2160	30/60	16:09	YUY2		√	30fps
	2560	1440	30/60	16:09	YUY2		√	√
	1920	1080	30/60	16:09	YUY2		√	√
	1280	720	30/60	16:09	YUY2		√	√

Test Config

TEST ENVIRONMENT	
Platform	ADL-P + VIC + lt6911uxc
IFWI	IOTG_ADL_PR01_LRA1-XXXADPP_RPSF_SES5_00550488_2022WW4.4.0_ProdE3092_SecureMode.bin \\ccr.corp.intel.com\ec\proj\iag\peg\ICG_Windows_Driver_Validation\Execution\Win IoTG VIC\ADL P\BIOS\MR1

BKC	19044.1266.210929-2234.ent_FRE_IA-64_ADL-P-21H2-CORP-21.44.5.204A-21H2.wim \\ccr.corp.intel.com\ec\proj\iag\peg\ICG_Windows_Driver_Validation\Execution\Win IoTG VIC\ADL P\BKC
Lontium Card FW	LT6911UXC_HDMI_TO_MIPI_CSI_V2P98_MR5_4K30_20211215_Intel.hex LT6911UXC_HDMI_TO_MIPI_CSI_V2P98_MR5_4K60_20211215_Intel.hex
Extra settings	VIC BIOS ADL-P_BIOS_Settings_For_HDMI_Capture_V0.51.docx \\ccr.corp.intel.com\ec\proj\iag\peg\ICG_Windows_Driver_Validation\Execution\Win IoTG VIC\ADL P\Doc\02_MR1_Test Extra settings(will be removed for final BIOS): Intel Advance Menu-> PCH-IO Configuration->Security Configuration ->Force Unlock on All GPIO Pads- > Enabled
Camera Device Mode	GFX child
GFX Driver	30.0.101.1025
Camera FW	[ADL]scci_stable_adlp_pv_cobalt_20210914_20220218_1000
Camera Imaging SW	ci_stable_adlp_pv_cobalt_20210914_b7638_20220327_1300
Camera Driver	03/28/2022,63.22000.3.7652
CameraDriver Artifacts	\\ccr.corp.intel.com\ec\proj\iag\peg\icgbj\OSimages\Artifacts\Scheduled\CameraSW\stable_adlp_pv_cobalt_20210914\7652_stable_adlp_pv_cobalt_20210914_20220328_1410 Prod: Camera_ADL_External_Product_Signed.zip

Change (enhancement and bug fix)

N/A

Known Issue

N/A

Non-MIPI Camera Driver Issue

N/A

Related Documentation

Where to Find the Release

The release can be found on the OWR: https://ubit-artifactory-sh.intel.com/artifactory/one-windows-local/Submissions/camera/

How to Install this Release

Please follow below instructions to install the MIPI Camera driver:

- Install iaisp64.inf
- Install iacamera64.inf
- Install iactrllogic64.inf
- Install lt6911uxc.inf

Release Content

Subproject (component)	Location	Revision	Build stamp
AVstream driver	iacamera64.sys	63.22000.3.7652	63.22000.3.7652
Firmware	cpd_component _signed	[ADL]scci_stable_adlp_pv_ cobalt_20210914_2022021 8_1000	[ADL]scci_stable_adlp_pv_ cobalt_20210914_2022021 8_1000
Device MFT library	IntelDeviceMFT64.dll	63.22000.3.7652	63.22000.3.7652

Others

External Dependencies

N/A

Hardware and Software Compatibility

VIC(lt6911uxc)

Supported Operating Systems

20H2