

Power ON

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Cortex Boot-Up Success
Cortex freq: 792000000
DDR      freq: 600000000
Core     freq: 396000000
iDSP     freq: 264000000
AXI       freq: 264000000
AHB       freq: 198000000
APB       freq: 990000000
UART      freq: 1846153

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[00000012][CA9] BspVer=0
[00000012][CA9] AmbaLL_Log Not init, do init automatically
[00000012][CA9] AmbaLLLog_Init 0xa0b41a9c 8192 Mode:(7ff, 80003, 2)
[00000013][CA9] AmpMW_Init: DSP WorkAddr a1b00000 Size 272629760
[00000013][CA9] Img Lib Version 3.9 Description:a12sdk_main
[00000016][CA9] =====
[00000016][CA9]          CACHE : [0xb1f00000 - 0xbffffff], 225 MB
[00000016][CA9]          DSP   : [0xa1b00000 - 0xb1efffff], 260 MB
[00000016][CA9] NON-CACHE : [0xa1700000 - 0xa1afffff], 4 MB
[00000016][CA9] =====
[00000019][CA9] NAND: ESMT_F59L1G81A_128MB_PG2K (0x98d19015)
[00000021][CA9] ROM (0): initialized
[00000022][CA9] ROM (1): initialized
[00000292][CA9] AmpFifo Task started
[00000292][CA9] AmpFifoPrint_Init 8192 0xa0fedaa0
[00000300][CA9] [AppMainTask] DCF init ok!
[00000303][CA9] es8388_init()
[00000303][CA9] ES8388S_Read: Addr: 40, Data: 0
[00000303][CA9] >>>>>>>>>>>>data is 0x0
[00000303][CA9] ES8388S_Write: Addr: 2, Data: 243
[00000303][CA9] ES8388S_Write: Addr: 8, Data: 0
[00000304][CA9] ES8388S_Read: Addr: 8, Data: 0
[00000304][CA9] >>>>>>>>>>>>data is 0x0
[00000304][CA9] ES8388S_Write: Addr: 43, Data: 128
[00000305][CA9] ES8388S_Write: Addr: 0, Data: 21
[00000305][CA9] ES8388S_Write: Addr: 1, Data: 80
[00000306][CA9] ES8388S_Write: Addr: 7, Data: 124
[00000306][CA9] ES8388S_Write: Addr: 9, Data: 64
[00000306][CA9] ES8388S_Write: Addr: 10, Data: 193
[00000307][CA9] ES8388S_Write: Addr: 11, Data: 0
[00000308][CA9] ES8388S_Read: Addr: 11, Data: 0
[00000308][CA9] >>>>>>>>>>>>data is 0x0
[00000308][CA9] ES8388S_Write: Addr: 53, Data: 160
[00000308][CA9] ES8388S_Write: Addr: 56, Data: 2
[00000308][CA9] ES8388S_Write: Addr: 12, Data: 12
[00000309][CA9] ES8388S_Write: Addr: 13, Data: 2
[00000309][CA9] ES8388S_Write: Addr: 14, Data: 32
[00000310][CA9] ES8388S_Write: Addr: 16, Data: 0
[00000310][CA9] ES8388S_Write: Addr: 17, Data: 0
[00000310][CA9] ES8388S_Write: Addr: 18, Data: 210
[00000311][CA9] ES8388S_Write: Addr: 19, Data: 144
[00000311][CA9] ES8388S_Write: Addr: 20, Data: 5
[00000311][CA9] ES8388S_Write: Addr: 21, Data: 6
[00000312][CA9] ES8388S_Write: Addr: 22, Data: 17
[00000312][CA9] ES8388S_Write: Addr: 23, Data: 24
[00000313][CA9] ES8388S_Write: Addr: 24, Data: 2
[00000313][CA9] ES8388S_Write: Addr: 25, Data: 0
[00000313][CA9] ES8388S_Write: Addr: 50, Data: 4
[00000314][CA9] ES8388S_Write: Addr: 26, Data: 0
[00000314][CA9] ES8388S_Write: Addr: 27, Data: 0
[00000315][CA9] ES8388S_Write: Addr: 39, Data: 184
[00000315][CA9] ES8388S_Write: Addr: 42, Data: 184
[00000315][CA9] ES8388S_Write: Addr: 3, Data: 0
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[00000316][CA9] ES8388S_Write: Addr: 2, Data: 0
[00000316][CA9] ES8388S_Write: Addr: 4, Data: 44
[00000316][CA9] ES8388S_Write: Addr: 46, Data: 30
[00000317][CA9] ES8388S_Write: Addr: 47, Data: 30
[00000317][CA9] ES8388S_Write: Addr: 48, Data: 30
[00000318][CA9] ES8388S_Write: Addr: 49, Data: 30
[00000318][CA9] ES8388S_Init
[00000318][CA9] ES8388S_ModeConfig
[00000318][CA9] ES8388S_FreqConfig: 48000
[00000318][CA9] ES8388S_SetInput: 1
[00000318][CA9] ES8388S_Write: Addr: 3, Data: 0
[00000318][CA9] ES8388S_Write: Addr: 9, Data: 80
[00000319][CA9] ES8388S_Write: Addr: 10, Data: 241
[00000319][CA9] ES8388S_Write: Addr: 11, Data: 0
[00000320][CA9] ES8388S_Write: Addr: 18, Data: 226
[00000320][CA9] ES8388S_Write: Addr: 22, Data: 16
[00000320][CA9] ES8388S_SetOutput: 1
[00000321][CA9] ES8388S_Read: Addr: 4, Data: 44
[00000321][CA9] ES8388S_Write: Addr: 4, Data: 44
[00000321][CA9] ES8388S_Write: Addr: 3, Data: 0
[00000322][CA9] ES8388S_SetMute: 0
[00000322][CA9] -----
[00000322][CA9] BSP: Orthrus
[00000322][CA9] -----
[00000322][CA9] Cortex freq:          792000000
[00000322][CA9] DDR freq:            600000000
[00000322][CA9] IDSP freq:           264000000
[00000322][CA9] Core freq:           396000000
[00000322][CA9] AXI freq:            264000000
[00000322][CA9] AHB freq:            198000000
[00000322][CA9] APB freq:            990000000
[00000322][CA9] -----
[00000322][CA9] ----- Version info -----
[00000322][CA9] [ local] : libapp.a
[00000322][CA9] [ local] : libapplib.a
[00000322][CA9] [ 2590] : libaudio.a
[00000322][CA9] [ local] : libaudio_sys.a
[00000322][CA9] [ local] : libbsp.a
[00000322][CA9] [ local] : libcomsvc_fwupdate.a
[00000322][CA9] [ local] : libcomsvc_misc.a
[00000322][CA9] [ local] : libcomsvc_shell.a
[00000322][CA9] [ local] : libcomsvc_sys.a
[00000322][CA9] [ local] : libcomsvc_test.a
[00000322][CA9] [ local] : libcomsvc_tune.a
[00000323][CA9] [ local] : libdsp_dspkernel.a
[00000323][CA9] [deceb8c] : libdsp_imgkernel.a
[00000323][CA9] [ local] : libfoss.a
[00000323][CA9] [ local] : libfs.a
[00000323][CA9] [ local] : libimg_adj.a
[00000323][CA9] [ local] : libimg_ae.a
[00000323][CA9] [ local] : libimg_awb.a
[00000323][CA9] [ local] : libimg_calib.a
[00000323][CA9] [ local] : libimg_encmonitor.a
[00000323][CA9] [ local] : libimg_ituner.a
[00000323][CA9] [ local] : libimg_proc.a
[00000323][CA9] [ local] : libimg_schedlr.a
[00000323][CA9] [ local] : libimg_utils.a
[00000323][CA9] [ local] : libkal.a
[00000323][CA9] [ local] : liblink.a
[00000323][CA9] [ local] : libmw_cfs.a
[00000323][CA9] [ local] : libmw_dataflow.a
[00000323][CA9] [ local] : libmw_dspflow.a
[00000323][CA9] [ local] : libmw_net.a
[00000323][CA9] [ local] : libperipheral.a
[00000323][CA9] [M64ee261] : libprfile.a
[00000323][CA9] [ local] : libsoc.a
[00000323][CA9] [ local] : libsoc_test.a
[00000323][CA9] [ local] : libthreadx.a
[00000323][CA9] [b816810] : libusb.a
[00000323][CA9] [b816810] : libusb_cdcacm.a
[00000323][CA9] [b816810] : libusb_dfu.a

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[00000323][CA9] [ local] : libusb_driver.a
[00000323][CA9] [b816810] : libusb_hid.a
[00000323][CA9] [b816810] : libusb_hostclasses.a
[00000323][CA9] [b816810] : libusb_hostcontroller.a
[00000323][CA9] [ local] : libusb_msc.a
[00000323][CA9] [b816810] : libusb_mtp.a
[00000323][CA9] [b816810] : libusb_pictbridge.a
[00000323][CA9] [b816810] : libusb_simple.a
[00000323][CA9] [b816810] : libusb_stream.a
[00000323][CA9] [b816810] : libusb_uvc.a
[00000323][CA9] Built amba_app.elf by demo@a12builder1404 at 2016 03 30 15:49:26 CST
[00000323][CA9] -----
[00000374][CA9] SCM_SLOT_SD inserted
*****
*                                                                    *
*                               AmbaShell ;)                           *
*                                                                    *
*****
Type 'help' for help
a:\> [00000582][CA9] Load orccode.bin to 0xa1100000, size = 4413638
[00000608][CA9] Load orcme.bin to 0xa1580000, size = 432308
[00000623][CA9] Load default_binary.bin to 0xa1680000, size = 262144
[00000624][CA9] [Applib Sensor] Registered sensor ov4689_a12
[00000624][CA9] === AmbaImgProc Module, Revision : 4833 ===
[00000639][CA9] [ImgSchdlr][Log] Init 0xB32D6AE0, 1024 72
[00000639][CA9] [ImgSchdlr][Exp] Init 0xB32E8AE0, 20 184
[00000639][CA9] [App-LCD] LCD panel selected: t27p05
[00000639][CA9] [Applib - LCD] Registered LCD[0] t27p05
[00000639][CA9] [Applib - GPS] Registered GPS gm6xx
[00000639][CA9] AppLibVideoAnal_GPSHdlr_init
[00000639][CA9] power_on gps device, using UART 1
[00000639][CA9] [GPS GM6XX INIT] Create Task success
[00000639][CA9] GPS GM6XX done
[00000639][CA9] GPS init OK!!!!
[00000662][CA9] [GSensor_Detect_Task_Init] Create Task success
[00000662][CA9] GSensor_Detect_Task_Init done
[00000662][CA9] udc_vbus_check_task(): USB VBUS connect, flag 0x1
[00000662][CA9] [Applib - Usb] DeviceSystemStart
[00000666][CA9] [USBX] USBX version : 2015 Ambarella Device Stack 1.1
[00000666][CA9] [USBX] Success to init ux system @0xb33161c0
[00000674][CA9] [USBX] Configured dev_int_msk =0x000000a0
[00000678][CA9] [USBX] Finish ISR hooking, 0xA0
[00000678][CA9] [USBX] dev has been initialized
[00000678][CA9] [USBX] Enable USB ISR.
[00000678][CA9] [USBX] Phy0 Owner: Device
[00000678][CA9] [USBX] USB IRQ owner is RTOS.
[00000678][CA9] [USBX] Wait for AmbaUSBD_System_ClassHook()
[00000748][CA9] USB_Vbus = 1
[00000748][CA9] ==app_misc_logo_start==
[00000748][CA9] [Applib - Format] <DemuxerInit> DemuxerInitCfg.MaxPipe = 1, DemuxerInitCfg= 0x8148
[00000748][CA9] [Applib - Format] <DemuxerInit> DemuxerInitCfg.MaxPipe = 1, DemuxerInitCfg= 0x8148
[00000748][CA9] AmpDemuxer_InitImpl() : total 1 pipes are created!!
[00000748][CA9] [Applib - StillDec] <Init> Start
[00000748][CA9] [Applib - StillDec] <InitTask> Start
[00000748][CA9] [Applib - StillDec] <InitTask> End
[00000749][CA9] AmpStlDec_Init
[00000749][CA9] AmpStlDec_Init 1:1
[00000749][CA9] AmpStlDec_BufSizeChk : pass
[00000749][CA9] AmpStlDec_Init 2:1536
[00000749][CA9] AmpStlDec_BufSizeChk : pass
[00000749][CA9] AmpStlDec_Init 3:8192
[00000749][CA9] AmpStlDec_BufSizeChk : pass
[00000749][CA9] [Applib - StillDec] <Init> b12fffc0 -> b12fffc0
[00000749][CA9] AmpStlDec_Create
[00000749][CA9] AmpStlDec_Create 0xb12fffc0 0xb1efffbf 0 0xb3692b20
[00000749][CA9] AmpFifo_Create b22e8780 Base Base:          0 (0,0) NumEntries =      64 Q = 0xB231C7C0, QSize =
2048
[00000749][CA9] AmpStlDec_Create: create fifo: b22e8780
[00000749][CA9] pWorkArea           : 0xA1B00000 size:272629760
[00000749][CA9] pDebugLogDataArea: 0xA1700040 size:131072
[00000749][CA9] AmbaLLLoq Init Loq has been init.
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[illegible]

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[00001391][CA9] beepGetBSCallback: 0xb3883ba0 8192
[00001392][CA9] beepGetBSCallback: 0xb3885ba0 8192
[00001392][CA9] beepGetBSCallback: 0xb3887ba0 8192
[00001392][CA9] beepGetBSCallback: 0xb3889ba0 8192
[00001393][CA9] beepGetBSCallback: 0xb388bba0 8192
[00001393][CA9] beepGetBSCallback: 0xb388dba0 8192
[00001393][CA9] AmpBeep_Beep: dec start end
[00001403][CA9] AmbaAudioOutputStart 1
[00001403][CA9] AmbaAudioOutputStart 2 1
[00001403][CA9] AmpBeep_Beep: wait beep done
[00001407][CA9] [AppLib - Card] <Insert> Insert drive C
[00001424][CA9] beepGetBSCallback: 0xb388fba0 8192
[00001467][CA9] beepGetBSCallback: 0xb3891ba0 8192
[00001475][CA9] [AppLibStorageDmf_CreateHandler]sizeof rootname : 8
[00001485][CA9] [HY][AppLib - Card] <SetRoot> end: ReturnValue = 0
[00001509][CA9] beepGetBSCallback: 0xb3893ba0 8192
[00001552][CA9] beepGetBSCallback: 0xb3895ba0 8192
[00001595][CA9] beepGetBSCallback: 0xb3897ba0 8192
[00001624][CA9] Adding AmbaDSP_Dbg
[00001624][CA9] Adding AppLib_ImgProcTest
[00001624][CA9] Adding AppLib_Tune
[00001637][CA9] beepGetBSCallback: 0xb3899ba0 8192
[00001680][CA9] beepGetBSCallback: 0xb389bba0 8192
[00001723][CA9] beepGetBSCallback: 0xb389dba0 8192
[00001765][CA9] beepGetBSCallback: 0xb389fba0 8192
[00001808][CA9] beepGetBSCallback: 0xb38a1ba0 8192
[00001851][CA9] beepGetBSCallback: 0xb38a3ba0 8192
[00001893][CA9] beepGetBSCallback: 0xb38a5ba0 8192
[00001911][CA9] [misc_logo] show time: 0
[00001936][CA9] beepGetBSCallback: 0xb38a7ba0 8192
[00001979][CA9] beepGetBSCallback: 0xb38a9ba0 8192
[00002021][CA9] beepGetBSCallback: 0xb38abba0 8192
[00002064][CA9] beepGetBSCallback: 0xb38adba0 8192
[00002107][CA9] beepGetBSCallback: 0xb38afba0 8192
[00002149][CA9] beepGetBSCallback: 0xb38b1ba0 8192
[00002192][CA9] beepGetBSCallback: 0xb38b3ba0 8192
[00002235][CA9] beepGetBSCallback: 0xb38b5ba0 8192
[00002277][CA9] beepGetBSCallback: 0xb38b7ba0 8192
[00002320][CA9] beepGetBSCallback: 0xb38b9ba0 8192
[00002363][CA9] beepGetBSCallback: 0xb38bbba0 8192
[00002405][CA9] beepGetBSCallback: 0xb38bdba0 8192
[00002448][CA9] beepGetBSCallback: 0xb38bfba0 8192
[00002491][CA9] beepGetBSCallback: 0xb38c1ba0 8192
[00002533][CA9] beepGetBSCallback: 0xb38c3ba0 8192
[00002576][CA9] beepGetBSCallback: 0xb38c5ba0 8192
[00002619][CA9] beepGetBSCallback: 0xb38c7ba0 8192
[00002661][CA9] beepGetBSCallback: 0xb38c9ba0 8192
[00002704][CA9] beepGetBSCallback: 0xb38cbba0 8192
[00002747][CA9] beepGetBSCallback: 0xb38cdba0 8192
[00002789][CA9] beepGetBSCallback: 0xb38cfba0 8192
[00002832][CA9] beepGetBSCallback: 0xb38d1ba0 8192
[00002875][CA9] beepGetBSCallback: 0xb38d3ba0 8192
[00002911][CA9] [misc_logo] show time: 1
[00002911][CA9] Test mode=0x0
[00002911][CA9] ==app_misc_logo_stop==
[00002911][CA9] [Applib - StillDec] <Deinit> Start
[00002911][CA9] AmpStlDec_Delete
[00002911][CA9] wait StillDec idle
[00002917][CA9] beepGetBSCallback: 0xb38d5ba0 4352
[00002948][CA9] StillDec idle
[00002948][CA9] [Applib - StillDec] <Deinit> End
[00002948][CA9] ADC=2841(4718v)
[00002948][CA9] G_Vin.Vin = b3696b80
[00002954][CA9] Sensor OutputWin(2688 1520) RecPx(0 4 2688 1512)
[00002954][CA9] Layer = b36993c0, sz 116, next b3699434
[00002954][CA9] Layer = b3699860, sz 116, next b36998d4
[00002954][CA9] Layer = b3699d00, sz 116, next b3699d74
[00002954][CA9] Layer = b369a1a0, sz 116, next b369a214
[00002954][CA9] Venc Remaining buf 977
[00002954][CA9] Layer = bb153d80, sz 116, next bb153df4
[00002954][CA9] StillEnc Remaining buf 401281
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[illegible]

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[00003270][CA9] load IQ Params adj_photo_default_00 from ROMFS: 45636
[00003273][CA9] load IQ Params adj_photo_default_01 from ROMFS: 45636
[00003274][CA9] load IQ Params adj_still_idx from ROMFS: 32
[00003274][CA9] load IQ Params adj_video_idx from ROMFS: 32
[00003277][CA9] load IQ Params scene_data_s01 from ROMFS: 58144
[00003281][CA9] load IQ Params scene_data_s02 from ROMFS: 58144
[00003285][CA9] load IQ Params scene_data_s03 from ROMFS: 58144
[00003289][CA9] load IQ Params scene_data_s04 from ROMFS: 58144
[00003292][CA9] load IQ Params scene_data_s05 from ROMFS: 58144
[00003294][CA9] load IQ Params de_default_video from ROMFS: 23780
[00003296][CA9] load IQ Params de_default_still from ROMFS: 23780
[00003296][CA9] load IQ Params adj_table_param_default from ROMFS: 536
[00003301][CA9] AmpBeep_Beep: beep done
[00003301][CA9] AmpBeep_Stop
[00003301][CA9] AmbaAudioOutputStop 1
[00003301][CA9] AmbaAudioOutputStop: None using output. Stop output
[00003304][CA9] load IQ Params adj_hiso_video_default_00 from ROMFS: 129192
[00003305][CA9] load Cc Reg A12_CC_Reg.bin from ROMFS: 18752, RVal :18752
[00003306][CA9] AmpAudioOutputNoAbuOpCB
[00003306][CA9] load video cc 3D VideoCc0 from ROMFS: 17536
[00003307][CA9] AmbaAudioOutputStop: audio output No ABU Op
[00003308][CA9] load video cc 3D VideoCc1 from ROMFS: 17536
[00003309][CA9] load video cc 3D VideoCc2 from ROMFS: 17536
[00003310][CA9] load video cc 3D VideoCc3 from ROMFS: 17536
[00003312][CA9] load video cc 3D VideoCc4 from ROMFS: 17536
[00003313][CA9] load still cc 3D StillCc0 from ROMFS: 17536
[00003315][CA9] load still cc 3D StillCc1 from ROMFS: 17536
[00003316][CA9] load still cc 3D StillCc2 from ROMFS: 17536
[00003317][CA9] load still cc 3D StillCc3 from ROMFS: 17536
[00003319][CA9] load still cc 3D StillCc4 from ROMFS: 17536
[00003319][CA9] ----- ImgParam : VersionNumber, Struct : 14111100 -----
[00003319][CA9] ----- AaaParam : VersionNumber, Struct : 14100700, Param : 20160310 -----
[00003319][CA9] ----- VIDEO : VersionNumber, Struct : 15010500, Param : 20160310 -----
[00003319][CA9] ----- Photo : VersionNumber, Struct : 15010500, Param : 20160310 -----
[00003319][CA9] ----- Still LISO : VersionNumber, Struct : 14111100, Param : 20160310 -----
[00003319][CA9] ----- Still HISO : VersionNumber, Struct : 15032500, Param : 15112300 -----
[00003319][CA9] ----- StillParam : VersionNumber, Struct : 14051500, Param : 13122000 -----
[00003320][CA9] ----- ImgParam : VersionNumber, Struct : 14111100 -----
[00003320][CA9] ----- AaaParam : VersionNumber, Struct : 14100700, Param : 20160310 -----
[00003321][CA9] ----- VIDEO : VersionNumber, Struct : 15010500, Param : 20160310 -----
[00003321][CA9] ----- Photo : VersionNumber, Struct : 15010500, Param : 20160310 -----
[00003321][CA9] ----- Still LISO : VersionNumber, Struct : 14111100, Param : 20160310 -----
[00003321][CA9] ----- Still HISO : VersionNumber, Struct : 15032500, Param : 15112300 -----
[00003321][CA9] ----- StillParam : VersionNumber, Struct : 14051500, Param : 13122000 -----
[00003322][CA9] === Amba Ae Lib., Revision : 2566 ===
[00003323][CA9] ae algorithm initial, FrameRate : 25, FrameRatex1000 : 25000
[00003323][CA9] <Ae_Control_Init_Full>, scene mode : 0
[00003323][CA9]
[00003323][CA9] ----- MainShutterIdx = 1012, EvLutNum = 3, -----
[00003323][CA9] ----- MinAgcInfo : 0 -----
[00003323][CA9] ----- max_agc_db : 6,6,6,27,27,27,27 -----
[00003323][CA9] ----- max_dgain_db : 0,0,0,0,0,0,0 -----
[00003325][CA9] ----- max_vagc_db : 1920,1920,1920,1472,1472,1472,1472 -----
[00003325][CA9] ----- AE_APERTURE_NO !! -----

[00003325][CA9]
aaa version number
[00003325][CA9] ----- aaa version_number, struct : 14100700, param : 20160310 -----
[00003325][CA9] ae algorithm initial, FrameRate : 25, FrameRatex1000 : 25000
[00003325][CA9] <Ae_Control_Init_Full>, scene mode : 38
[00003325][CA9]
[00003325][CA9] ----- MainShutterIdx = 1012, EvLutNum = 3, -----
[00003325][CA9] ----- MinAgcInfo : 0 -----
[00003325][CA9] ----- max_agc_db : 6,6,6,27,27,27,27 -----
[00003325][CA9] ----- max_dgain_db : 0,0,0,0,0,0,0 -----
[00003328][CA9] ----- max_vagc_db : 1920,1920,1920,1472,1472,1472,1472 -----
[00003328][CA9] ----- AE_APERTURE_NO !! -----

[00003328][CA9] === Amba Awb Lib., Revision : 2519 ===
[00003328][CA9] <_awb_control_2_init_full>,1 i = 0
[00003328][CA9] <_awb_control_2_init_full>,1 i = 1

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[00003328][CA9] <_awb_control_2_init_full>, 2
[00003329][CA9] <_awb_control_2_init_full>,2 awb_curr_info.vin_total = 2, chNoCount : 2
[00003329][CA9] <_awb_control_2_init_full>,2 i = 0
[00003330][CA9] <_awb_control_2_init_full>,2 i = 1
[00003332][CA9] === Amba Adj Lib., Revision : 2742 ===
[00003332][CA9] <AdjFunc_MemMgr_Init> 0, RVal = 0x0, size : 924
[00003333][CA9] <AdjFunc_MemMgr_Init> 1, RVal = 0x0, size : 924
[00003333][CA9] <AdjFunc_Param_Init> channelCount = 2
[00003333][CA9] <AdjFunc_A12_MemMgr_Init> 0, RVal = 0x0, size : 11660
[00003333][CA9] <AdjFunc_A12_MemMgr_Init> 1, RVal = 0x0, size : 11660
[00003333][CA9] <Amba_Adj_Hdr_A12_MemMgr_Init> 0, RVal = 0x0, size : 2132
[00003333][CA9] <Amba_Adj_Hdr_A12_MemMgr_Init> 1, RVal = 0x0, size : 2132
[00003333][CA9] <AdjFunc_A9_Param_Init> channelCount = 2
[00003333][CA9] <Amba_Adj_Video_Init>
[00003333][CA9] ----No this adj table mode
[00003333][CA9] <Iqt_MemMgr_Init> 0, RVal = 0x0, size : 9188
[00003333][CA9] <Iqt_MemMgr_Init> 1, RVal = 0x0, size : 9188
[00003333][CA9] <Iqt_Param_Init> channelCount = 2
[00003333][CA9] AmpAudioOutputDmaStopCB
[00003338][CA9] AmbaAudioOutputStop: audio output DMA stop
[00003338][CA9] AmbaAudioOutputStop 2 0
[00003340][CA9] [VIG CTL] no vignette data
[00003340][CA9] AmbaDSP_CmdSetWarpCtrlTag
[00003341][CA9] <_awb_control_2_init_full>, 2
[00003341][CA9] <_awb_control_2_init_full>,2 awb_curr_info.vin_total = 2, chNoCount : 2
[00003341][CA9] <_awb_control_2_init_full>,2 i = 0
[00003342][CA9] <_awb_control_2_init_full>,2 i = 1
[00003342][CA9] Error: Calib vin geo x 16, y 8, w 2688, h 1512, HorSmp 1/1, VerSmp 1/1 cannot cover
[00003342][CA9] current vin geo x 0, y 0, w 0, h 0, HorSmp 0/0, VerSmp 0/0
[00003342][CA9] GyroInitParams, MeanX:32768, MeanY:32768, MeanZ:32768, StdX:0, StdY:0, StdZ:0
[00003342][CA9] GyroInitParams, SenseX:131, SenseY:131, SenseZ:131
[00003342][CA9] ~AMP_VIN_EVENT_CHANGED_POST
[00003342][CA9] AmpVin Task for b3696b80 started 0
[00003342][CA9] LiveviewStart Cap[0 4 2688 1512] SHOW 1 TV 0
[00003342][CA9] PreProc WrMode 1, OpMode 1, EncMode 11
[00003343][CA9] GenBuffer Status:1 OnReset:1 OnWrite:0 OnSnd:0
[00003343][CA9] GenBuffer wp:1 rp:0 isr_int:17 isr:3339 cmd_time:7 seq:17
[00003343][CA9] GenBuffer[0] n:1 s:17
[00003343][CA9] GenBuffer[1] n:2 s:14
[00003343][CA9] GenBuffer[2] n:0 s:15
[00003343][CA9] GenBuffer[3] n:0 s:16
[00003426][CA9] == AMP_VIN_EVENT_VALID ==
[00003426][CA9] ImgSchdlr Task 0 started
[00003426][CA9] AmbaLL_ModeSwitch Dsp Switched to 0 successfully.
[00003426][CA9] LL_W bch AmbaLL_BatchCmdBufferVideoAutoProcessEnable 1
[00003567][CA9] [Applib - VideoEnc] <PipeCallback> Pipe[A104E670] AMP_ENC_EVENT_STATE_CHANGED newState 1
[00003567][CA9] VA init.....
[00003567][CA9] [VA INIT] Create Queue success
[00003567][CA9] [VA INIT] Create Mutex success
[00003567][CA9] [VA INIT] TaskPriority 136 , TaskStackSize 32768
[00003567][CA9] [VA INIT] Create Task success
[00003567][CA9] VA init done
[00003567][CA9] VA 3A Handler init.....
[00003567][CA9] [VA 3A INIT] Create Queue success
[00003567][CA9] [VA 3A INIT] Create Mutex success
[00003567][CA9] [VA 3A INIT] TaskPriority 135 , TaskStackSize 32768
[00003567][CA9] [VA 3A INIT] Create Task success
[00003567][CA9] VA 3A init done
[00003567][CA9] [App Util] <AppUtil_CheckCardParam>
[00003567][CA9] GPS TEST info file C:\TEST_GPS.TXT
[00003567][CA9] GSENSOR TEST info file C:\TEST_GSENSOR.TXT
[00003577][CA9] [app_rec_cam] Received msg: 0x10010001 (param1 = 0x0 / param2 = 0x0)
[00003577][CA9] [app_rec_cam] Received HMSG_RECORDER_STATE_LIVEVIEW
[00003577][CA9] AppLibImage_EnableAntiFlicker(): flicker enable = 1, flicker_type = 2 (0:Auto, 1:60HZ, 2:50HZ)
[00003577][CA9] ae algorithm initial, FrameRate : 25, FrameRatex1000 : 25000
[00003577][CA9] <Ae_Control_Init_Full>, scene mode : 0
[00003577][CA9]
[00003577][CA9] ----- MainShutterIdx = 978, EvLutNum = 3, -----
[00003577][CA9] ----- MinAgcInfo : 0 -----
[00003577][CA9] ----- max_agc_db : 6,6,6,27,27,27,27 -----
[00003577][CA9] ----- max_dgain_db : 0,0,0,0,0,0,0 -----
```

[illegible]

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[00004273][CA9] [AQP] <Init> AQP monitor init, 1
[00004274][CA9] [ExtEnc] AV pipe...
[00004274][CA9] [ExtEnc] ExtEnc_MainTask
[00004275][CA9] [AudioEnc] AV pipe...
[00004275][CA9] [Applib - VideoEnc] <PipeCallback> Pipe[A104E670] AMP_ENC_EVENT_STATE_CHANGED newState 2
[00004298][CA9] ==[AppLibStorageDmf_CreateFile-1230] extName:MP4, filename:C:\DCIM\140101200\033833AA.MP4
[00004298][CA9] [Applib - Format] <Mp4MuxOpen> FileCfg..AsyncParam.MaxBank = 0x2
[00004347][CA9] <_TextTrack_Configure> TimeScale 1000, TimePerFrame 100
[00004347][CA9] AmpMuxer_CheckDefaultTrack() : auto set default audio track to 1
[00004347][CA9] AmpMuxer_CheckDefaultTrack() : auto set default text track to 2
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> Main file
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].Fifo = 0xb22e9320
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].TimeScale = 25000
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].TimePerFrame = 1000
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].Info.Video.M = 1
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].Info.Video.N = 25
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].Info.Video.GOPSize = 25
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].Info.Video.Width = 2304
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].Info.Video.Height = 1296
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[0].Info.Video.CodecTimeScale = 25000
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[1].MediaId = 33
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[1].Info.Audio.SampleRate = 48000
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> MovieCfg.Track[1].Info.Audio.Channels = 1
[00004347][CA9] [Applib - Format] <Mp4MuxOpen> Mp4 Mux Create
[00004347][CA9] <_TextTrack_Configure> TimeScale 1000, TimePerFrame 100
[00004347][CA9] AmpMuxer_CheckDefaultTrack() : auto set default text track to 2
[00004409][CA9] [app_rec_cam] Received msg: 0xB0010001 (param1 = 0x0 / param2 = 0x0)
[00004409][CA9] [app_rec_cam] Received msg: 0xB0010002 (param1 = 0x0 / param2 = 0x0)
[00004513][CA9] [Applib - Format] <Mp4Mux_VideoFifoCB> Resume main audio fifo 0xb22e9510 0xb22e9608
[00004570][CA9] Erase block 888 (1)!
[00004572][CA9] Erase block 993 (2)!
[00004575][CA9] Erase block 984 (3)!
[00004578][CA9] Erase block 997 (4)!
[00004580][CA9] Erase block 1000 (5)!
[00004685][CA9] [app_rec_cam] Received msg: 0x10020001 (param1 = 0x0 / param2 = 0x0)
[00004686][CA9] [app_rec_cam] Received msg: 0x4801000C (param1 = 0x0 / param2 = 0x0)
[00004686][CA9] [app_rec_cam] Received HMSG_MUXER_OPEN
[00004728][CA9] IsoMux_MP4_PutFtyp START!
[00004728][CA9] [app_rec_cam] Received msg: 0x48010001 (param1 = 0x0 / param2 = 0x0)
[00004728][CA9] [app_rec_cam] Received HMSG_MUXER_START
```

PowerOff

[illegible]

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[00189660][CA9] GenBuffer wp:2 rp:0 isr_int:8 isr:189653 cmd_time:4 seq:4673
[00189660][CA9] GenBuffer[0] n:3 s:4673
[00189660][CA9] GenBuffer[1] n:2 s:4670
[00189660][CA9] GenBuffer[2] n:0 s:4671
[00189660][CA9] GenBuffer[3] n:0 s:4672
[00189701][CA9] AmbaLL_ModeSwitch Dsp Switched to 1 successfully.
[00189701][CA9] Mode switched to DSP_OP_DECODE_MODE
[00189736][CA9] LCD: VoutWindow = (0 0 960 240), TargetWindow = (0 0 960 240)
[00189736][CA9] TV: VoutWindow = (0 0 1920 1080), TargetWindow = (0 0 1920 1080)
[00189868][CA9] [Button Handler] Received msg: 0x1 (param1 = 0xA / param2 = 0x0)
[00189870][CA9] AmpFifo_Create b22e9320 Virt Base:b22e8a68 (0,0) NumEntries = 64 Q = 0xB23D90E0, QSize = 2048
[00189870][CA9] AmpStlDec_FifoCB: data:-1305573432
[00189870][CA9] StlDecDbg: Provide wp:0xb12fffc0
[00189870][CA9] AmpStlDec_FifoCB: data:-1305570528
[00189871][CA9] AmpStlDec_FifoCB: data:1
[00189871][CA9] Feed logo done
[00189871][CA9] AmpStillDec_FifoEvent_DataReady Update WP: 0xb1304dfa
[00189971][CA9] AmpStlDec_Decode
[00190007][CA9] AmpStlDec_Decode: src tpye YUV420 720 480 736
[00190044][CA9] Normal logo full
[00190045][CA9] AmpStlDec_Rescale
[00190075][CA9] AmpStillDec_Display
[00190109][CA9] AppLibAudioDec_SetVolume ,vol=64
[00190109][CA9] [AppLib - AudioBeep] <ReadDataFromRom> Filename = power_off_48k.pcm
[00190109][CA9] [AppLib - AudioBeep] <ReadDataFromRom> FileSize = 230400.
[00190124][CA9] [AppLib - AudioBeep] <ReadDataFromRom> ReturnValue = 230400
[00190124][CA9] AmpBeep_Beep: beep start
[00190124][CA9] beepGetBSCallback: 0xbcf20a40 8192
[00190124][CA9] beepGetBSCallback: 0xbcf22a40 8192
[00190124][CA9] beepGetBSCallback: 0xbcf24a40 8192
[00190124][CA9] beepGetBSCallback: 0xbcf26a40 8192
[00190124][CA9] beepGetBSCallback: 0xbcf28a40 8192
[00190124][CA9] beepGetBSCallback: 0xbcf2aa40 8192
[00190125][CA9] beepGetBSCallback: 0xbcf2ca40 8192
[00190125][CA9] beepGetBSCallback: 0xbcf2ea40 8192
[00190125][CA9] beepGetBSCallback: 0xbcf30a40 8192
[00190126][CA9] AmpBeep_Beep: dec start end
[00190136][CA9] AmbaAudioOutputStart 1
[00190136][CA9] AmbaAudioOutputStart 2 1
[00190136][CA9] AmpBeep_Beep: wait beep done
[00190157][CA9] beepGetBSCallback: 0xbcf32a40 8192
[00190200][CA9] beepGetBSCallback: 0xbcf34a40 8192
[00190242][CA9] beepGetBSCallback: 0xbcf36a40 8192
[00190285][CA9] beepGetBSCallback: 0xbcf38a40 8192
[00190328][CA9] beepGetBSCallback: 0xbcf3aa40 8192
[00190370][CA9] beepGetBSCallback: 0xbcf3ca40 8192
[00190413][CA9] beepGetBSCallback: 0xbcf3ea40 8192
[00190456][CA9] beepGetBSCallback: 0xbcf40a40 8192
[00190498][CA9] beepGetBSCallback: 0xbcf42a40 8192
[00190541][CA9] beepGetBSCallback: 0xbcf44a40 8192
[00190584][CA9] beepGetBSCallback: 0xbcf46a40 8192
[00190626][CA9] beepGetBSCallback: 0xbcf48a40 8192
[00190669][CA9] beepGetBSCallback: 0xbcf4aa40 8192
[00190712][CA9] beepGetBSCallback: 0xbcf4ca40 8192
[00190754][CA9] beepGetBSCallback: 0xbcf4ea40 8192
[00190797][CA9] beepGetBSCallback: 0xbcf50a40 8192
[00190840][CA9] beepGetBSCallback: 0xbcf52a40 8192
[00190882][CA9] beepGetBSCallback: 0xbcf54a40 8192
[00190925][CA9] beepGetBSCallback: 0xbcf56a40 8192
[00190968][CA9] beepGetBSCallback: 0xbcf58a40 1024
[00191352][CA9] AmpBeep_Beep: beep done
[00191352][CA9] AmpBeep_Stop
[00191352][CA9] AmbaAudioOutputStop 1
[00191352][CA9] AmbaAudioOutputStop: None using output. Stop output
[00191357][CA9] AmpAudioOutputNoAbuOpCB
[00191357][CA9] AmbaAudioOutputStop: audio output No ABU Op
[00191383][CA9] AmpAudioOutputDmaStopCB
[00191384][CA9] AmbaAudioOutputStop: audio output DMA stop
[00191384][CA9] AmbaAudioOutputStop 2 0
[00191409][CA9] Beep done
```

```
[00191412][CA9] [misc_logo] show time: 0  
[00191412][CA9] [misc_logo] show time: 1  
[00191412][CA9] Test mode=0x0  
[00191412][CA9] Power off  
[00191424][CA9] AmbaPWC_ConfigPowerUpSequence 20
```