

Status:	CLOSED	Start date:	2023-02-22
Priority:	Urgent	Due date:	
Assignee:	CD TEST-方永红	% Done:	80%
Category:	黑屏	Estimated time:	0.00 hour
Target version:	VC1_FSE_0082_20230314	Found Version:	[ro.build.display.id]: [01.00.0068.X101] userdebug
Need_Info:	--	Degrated:	--
Resolution:	--	Verified Version:	
Severity:	Critical	Fixed Version:	
Reproducibility:	Rarely	Root cause:	MPU端驱动正常，虚拟投屏正常，应为屏端异常导致
Test Type:	Free Test		
Description			
前置条件： 屏幕处于熄屏时钟画面			
操作步骤： 1.在屏幕处于熄屏时钟画面，等待一段时间不做任何操作 2.使用 adb shell getevent -rlt 看一下是否TP有报点			
预期结果： 1.查看屏幕显示画面是否正常 2.查看板子是否有异常			
实际结果： 1.屏幕黑的没画面输出，背光亮，tp不能用，投屏出来显示闹钟画面 2.板子android正常运行，adb端口可用 3.屏幕和板子一起电流大小为1.7A左右			

History
#1 - 2023-02-23 14:33 - CD BSP-杜磊 - Description updated
#2 - 2023-02-23 16:06 - CD BSP-杜磊 - Status changed from New to ASSIGNED
#3 - 2023-02-28 11:20 - CD BSP-杜磊 - Assignee changed from CD BSP- 杜磊 to BSP组-RD3_TSCD 贾顺旺
#4 - 2023-02-28 13:50 - CD TPM-王祥林 - Category set to BSP
#5 - 2023-02-28 14:32 - CDTs-TEST 周婷 - Target version set to VX1_MCE_FSE_0082_20230314
#6 - 2023-03-01 13:56 - BSP组-RD3_TSCD 贾顺旺 - Assignee changed from BSP组-RD3_TSCD 贾顺旺 to 移动测试一组_CDTs 刘强

#7 - 2023-03-03 13:09 - CD BSP-杜磊
- Status changed from ASSIGNED to NEED_INFO

#8 - 2023-03-07 11:03 - 移动测试一组_CDTS 刘强
- Assignee changed from 移动测试一组_CDTS 刘强 to CDTS_Test 吴诗雨

请帮忙复现验证，使用MTBF脚本每天压测，更新最新验证情况

#9 - 2023-03-07 13:39 - CD TPM-王祥林
- Target version changed from VX1_MCE_FSE_0082_20230314 to VC1_FSE_0082_20230314

#10 - 2023-03-07 14:49 - CDTS_Test 吴诗雨

【复现版本】FlatBuild_HH_MCE_FSE.M.D.user.01.00.C101.202303040019
【复现情况】未复现上述情况

#11 - 2023-03-08 14:15 - CDTS_Test 吴诗雨

【复现版本】FlatBuild_HH_MCE_FSE.M.R.user.01.00.0080.C101
【复现情况】MTBF16小时未复现上述情况

#12 - 2023-03-09 15:01 - CDTS_Test 吴诗雨

【复现版本】FlatBuild_HH_MCE_FSE.M.D.user.01.00.C101.202303080018
【复现情况】MTBF16小时未复现上述情况

#13 - 2023-03-10 17:15 - CDTS_Test 吴诗雨

【复现版本】FlatBuild_HH_MCE_FSE.M.R.user.01.00.0081.C101
【复现情况】MTBF16小时未复现上述情况

#14 - 2023-03-14 09:53 - CDTS_Test 吴诗雨

【复现版本】FlatBuild_HH_MCE_FSE.M.D.user.01.00.C101.202303110019
【复现情况】MTBF16小时未复现上述情况

#15 - 2023-03-20 15:38 - CDTS_Test 吴诗雨

【复现版本】FlatBuild_HH_MCE_FSE.M.D.user.01.00.C101.202303191230
【复现情况】MTBF16小时未复现上述情况

#16 - 2023-03-21 09:55 - CDTS_Test 吴诗雨
- Status changed from NEED_INFO to RESOLVED

【复现版本】FlatBuild_HH_MCE_FSE.M.D.user.01.00.C101.202303191230
【复现情况】MTBF两台16小时未复现

#17 - 2023-03-21 09:55 - CDTs_Test 吴诗雨
- Status changed from RESOLVED to VERIFIED

#18 - 2023-03-21 09:55 - CDTs_Test 吴诗雨
- Status changed from VERIFIED to CLOSED

#19 - 2023-04-23 15:15 - CDTs-TEST 周婷
- Status changed from CLOSED to New
- Assignee changed from CDTs_Test 吴诗雨 to CD TPM- 王祥林

请重新分析

#20 - 2023-05-08 16:54 - 物联网项目组-RD3_CDTs 周飞
- Assignee changed from CD TPM- 王祥林 to CD BSP- 杜磊

#21 - 2023-05-11 10:55 - CD BSP-杜磊
- Subject changed from 【BSP】【EVT2】【power】【偶现一次】屏幕背光亮无画面输出，TP不可用；投屏出来显示闹钟画面 to 【BSP】【EVT2】【VC1】【power】【偶现一次】屏幕背光亮无画面输出，TP不可用；投屏出来显示闹钟画面
- Status changed from New to RESOLVED
- Assignee changed from CD BSP- 杜磊 to CDTs-TEST 周婷
- % Done changed from 0 to 80
- Root cause set to MPU 端驱动正常，虚拟投屏正常，应为屏端异常导致黑屏

根据附件log信息，分析如下：

1.显示芯片初始化正常，根据描述背光亮，说明背光打开正常，且系统未休眠。
867:[15.119551] [MAX975X:max96755g_probe] ERROR begin
904:[15.681010] [MAX975X:max96755x_init] ERROR begin
905:[15.852524] [MAX975X:max96755x_init] ERROR read:752 0x13:da
906:[15.858872] [MAX975X:max96755x_init] ERROR read:755 0x13:da
907:[15.864823] [MAX975X:max96755x_init] ERROR done
908:[15.870236] [MAX975X:max96755g_probe] ERROR backlight on failed 7
909:[15.876831] [MAX975X:max96755g_probe] ERROR done
4602:[45.541487] [MAX975X:max96755x_drm_notifier_callback] ERROR receives EARLY_BLANK:UNBLANK
4617:[45.650966] [MAX975X:max96755x_drm_notifier_callback] ERROR receives BLANK:UNBLANK

2.Touch注册正常
910:[15.882219] atmel_mxt_ts 0-004a: ATMEL MaXTouch Driver version 4.12c
911:[15.889109] atmel_mxt_ts 0-004a: Using gpiod to irq mapping(383) to override the client's irq(0)
912:[15.898160] atmel_mxt_ts 0-004a: Mxt Reset (Flag: 0C)
913:[15.903391] atmel_mxt_ts 0-004a: Resetting chip(H)
914:[15.932109] atmel_mxt_ts 0-004a: <Seqnum>: 0 -> 0
915:[16.960905] atmel_mxt_ts 0-004a: Family: 164 Variant: 56 Firmware V2.0.AA Objects: 42
933:[16.981714] atmel_mxt_ts 0-004a: Falling back to syfs fallback for: maxtouch.cfg
934:[16.982648] atmel_mxt_ts 0-004a: T6 Config Checksum: 0x1B6EAC
1448:[25.546285] atmel_mxt_ts 0-004a: Device config CRC 0x1B6EAC: does not match file CRC 0xFC63CD: Updating...

1454:[25.644154] atmel_mxt_ts 0-004a: First object found T⁶⁸
1599:[29.225411] atmel_mxt_ts 0-004a: T6 Config Checksum: 0xFC63CD
1610:[29.444088] atmel_mxt_ts 0-004a: Resetting device(0E)
1611:[29.449393] atmel_mxt_ts 0-004a: Mxt Reset (Flag: 0E)
1612:[29.454681] atmel_mxt_ts 0-004a: Resetting chip(S)
1613:[29.460355] atmel_mxt_ts 0-004a: <Seqnum>: 2 -> 0
1635:[30.501137] atmel_mxt_ts 0-004a: Config successfully updated
1636:[30.507020] atmel_mxt_ts 0-004a: Config file updated, release the input device
1637:[30.515110] atmel_mxt_ts 0-004a: mxt_config: Registering devices
1638:[30.526925] atmel_mxt_ts 0-004a: Touchscreen size {x,y} = {2559,1079}
1639:[30.536882] input: Atmel maXTouch Touchscreen as /devices/platform/soc/980000.i2c/i2c-0/0-004a/input/input3
1642:[30.555721] atmel_mxt_ts 0-004a: Touchscreen size {x,y} = {2559,1079}
1644:[30.579146] atmel_mxt_ts 0-004a: Initialized power cfg: ACTV 255, IDLE 20
1645:[30.586147] atmel_mxt_ts 0-004a: Get Irqflags 0x0, will check Retrigen mode
1646:[30.595473] atmel_mxt_ts 0-004a: RETRIGEN Enabled feature
4604:[45.550629] atmel_mxt_ts 0-004a: FB event:2,blank:0
4605:[45.550962] atmel_mxt_ts 0-004a: suspend: event = 2, blank = 0, not care
4618:[45.665451] atmel_mxt_ts 0-004a: FB event:1,blank:0
4619:[45.665480] atmel_mxt_ts 0-004a: drm_notifier_callback: UNBLANK! Resume by drm notifier.

根据之前青岛反馈的黑屏较为类似，均为虚拟投屏有显示，而屏端无画面输出。
此种情况应为屏端内部错误导致的异常，而非MPU端异常错误。
此类问题需要厂商进行优化。

#22 - 2023-06-02 10:57 - CDTs-TEST 周婷
- Assignee changed from CDTs-TEST 周婷 to CD BSP-余霄

需跟踪厂商优化结果

#23 - 2023-06-02 18:55 - CD TEST-方永红
- Status changed from RESOLVED to ASSIGNED

#24 - 2023-06-05 21:18 - CDTs-TEST 周婷
- Assignee changed from CD BSP-余霄 to CD BSP-杜磊

#25 - 2023-06-06 14:13 - CD BSP-杜磊

成都当前没有更新的屏端控制器软件，屏端控制器软件需要更新后，再用最新修改的版本来进行压测。

#26 - 2023-06-09 15:17 - CDTs-TEST 周婷
- Category changed from BSP to 黑屏

#27 - 2023-06-12 10:54 - CD BSP-杜磊
- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD BSP-杜磊 to CD TEST-方永红

请使用110版本进行复测

#28 - 2023-07-03 14:13 - CD TEST-方永红

7.3
使用110版本及116版本各测试10次不复现

#29 - 2023-07-10 16:08 - CD TEST-方永红
- Status changed from RESOLVED to VERIFIED

7.10
120版本长时间测试未复现
先关闭

#30 - 2023-07-10 16:09 - CD TEST-方永红
- Status changed from VERIFIED to CLOSED

Files				
logcat.txt	2.54 MB	2023-02-22	SZTS_TEST 邹涛	
dmesg.txt	959 KB	2023-02-22	SZTS_TEST 邹涛	
Serial-COM15_20230222110736.log	433 KB	2023-02-22	SZTS_TEST 邹涛	
中科创达软件股份有限公司20230222-114013.jpg	123 KB	2023-02-22	SZTS_TEST 邹涛	
中科创达软件股份有限公司20230222-114023.jpg	155 KB	2023-02-22	SZTS_TEST 邹涛	