



SSD20X enable HDMI SOP



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REVISION HISTORY

Revision No.	Description	Date
0.1	<ul style="list-style-type: none">Initial release	01/20/2020
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	<ul style="list-style-type: none">	



{SigmaStar Display}
{Smart Display}
{SSD201 + 1.0}

1. PROJECT 更改

1. Project/image/configs/i2m/rootfs.mk 中将 hdmi 相关 timing 拷贝至 config 目录

```
diff --git a/image/configs/i2m/rootfs.mk b/image/configs/i2m/rootfs.mk
index 4ae50b9..691703a 100755
--- a/image/configs/i2m/rootfs.mk
+++ b/image/configs/i2m/rootfs.mk
@@ -14,17 +14,17 @@ root:
     cp $(LIB_DIR_PATH)/ex_libs/dynamic/* $(OUTPUTDIR)/rootfs/lib/

     mkdir -p $(OUTPUTDIR)/tvconfig/config
     if [ "$(BOARD)" = "010A" ]; then \
+   #if [ "$(BOARD)" = "010A" ]; then \
         cp -rf $(PROJ_ROOT)/board/ini/* $(OUTPUTDIR)/tvconfig/config ;\
     else \
         cp -rf $(PROJ_ROOT)/board/ini/LCM $(OUTPUTDIR)/tvconfig/config ;\
     fi;
+   #else \
+   #cp -rf $(PROJ_ROOT)/board/ini/LCM $(OUTPUTDIR)/tvconfig/config ;\
+   #fi;

     if [ "$(BOARD)" = "010A" ]; then \
+   #if [ "$(BOARD)" = "010A" ]; then \
         cp -rf $(PROJ_ROOT)/board/$(CHIP)/$(BOARD_NAME)/config/* $(OUTPUTDIR)/tvconfig/config ; \
     else \
         cp -rf $(PROJ_ROOT)/board/$(CHIP)/$(BOARD_NAME)/config/fbdev.ini $(OUTPUTDIR)/tvconfig/config ; \
     fi;
+   #else \
+   #cp -rf $(PROJ_ROOT)/board/$(CHIP)/$(BOARD_NAME)/config/fbdev.ini $(OUTPUTDIR)/tvconfig/config ; \
+   #fi;
```

2. /project/release/customer_tailor/nvr_i2m_display_glibc_tailor.mk 中打开 hdmi config

```
--- a/release/customer_tailor/nvr_i2m_display_glibc_tailor.mk
+++ b/release/customer_tailor/nvr_i2m_display_glibc_tailor.mk
@@ -2,7 +2,7 @@ include $(PROJ_ROOT)/release/customer_tailor/nvr_default.mk
 #interface_ai:=disable
 #interface_ao:=disable
 #interface_gfx:=disable
-#interface_hdmi:=disable
+#interface_hdmi:=enable
 #interface_divp:=disable
 #interface_disp:=disable
 #interface_panel:=disable
@@ -33,5 +33,5 @@ mhal_sensorif:=disable
 #mhal_venc:=disable
 mhal_vif:=disable
 mhal_vpe:=disable
-#mhal_hdmitx:=disable
+#mhal_hdmitx:=enable
```

3. Config 中关闭 panel 配置，并将分辨率设置成 1920 x 1080

Eg:

project\configs\nvr\i2m\8.2.1\nor.glibc-squashfs.011a.128



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```
12 CUSTOMER_OPTIONS = 011a.201_options.mk
13 CUSTOMER_TAILOR = nvr_i2m_display_glibc_tailor.mk
14 MMAP = MMAP_I2M_128M.h
15 MERGE_BOOT = TRUE
16 BOOTLOGO_FILE = sigmastar1024_600.jpg
17 #BOOTLOGO_ADDR = E_LX_FB
18 LOGO_ADDR = 0x7D00000
19 BOOTLOGO_BUFSIZE = 0x200000
20 #PANEL_NAME = SAT070CP50
21 PANEL_WIDTH = 1920
22 PANEL_HEIGHT = 1080
23 EXBOOTARGS =
24 KERNEL_BOOT_ENV = LX_MEM=$(KERNEL_MEMLN) mma_heap=mma_heap_name0,miu=0,sz=0x1500000 mma_memblock_remove=1
25 TOOLCHAIN_REL = arm-linux-gnueabihf-
26
```

2. KERNEL 更改

1.将 dts 改成 ssc010a 配置

Nand:

```
--- a/arch/arm/configs/infinity2m_spinand_ssc011a_s01a_minigui_defconfig
+++ b/arch/arm/configs/infinity2m_spinand_ssc011a_s01a_minigui_defconfig
@@ -333,7 +333,7 @@ CONFIG_ARCH_SSTAR=y
#
# Options
#
-CONFIG_SS_DTB_NAME="infinity2m-spinand-ssc011a-s01a-display"
+CONFIG_SS_DTB_NAME="infinity2m-spinand-ssc010a-s01a"
CONFIG_MS_KERNEL_TYPE=""
CONFIG_SSTAR_CHIP_NAME="infinity2m"
CONFIG_MP_IRQ_TRACE=y
```

Nor:

kernel\arch\arm\configs\infinity2m_ssc010a_s01a_defconfig

```
#
# Options
#
CONFIG_SS_DTB_NAME="infinity2m-ssc010a-s01a"
CONFIG_MS_KERNEL_TYPE=""
CONFIG_SSTAR_CHIP_NAME="infinity2m"
CONFIG_MP_IRQ_TRACE=y
CONFIG_DISABLE_CLK_DEBUGFS_SUPPORT=y
CONFIG_SKIP_SQUASHFS_BAD_BLOCK=y
CONFIG_DEFERRED_INIICALLS=y
# CONFIG_DEFERRED_INIICALLS_SLAB_SYSFS is not set
# CONFIG DEFERRED INIICALLS PARAM SYSFS is not set
```