

## Disen Display Bringup

**aosp/Kernel-4.14/arch/arm64/configs/AGN\_H164YO\_MT8788R\_debug\_defconfig**

```
CONFIG_LCM_HEIGHT="800"
CONFIG_LCM_WIDTH="480"
CONFIG_MTK_LCM_PHYSICAL_ROTATION="180"
```

**aosp/Kernel-4.14/arch/arm64/configs/AGN\_H164YO\_MT8788R\_defconfig**

```
CONFIG_LCM_HEIGHT="800"
CONFIG_LCM_WIDTH="480"
CONFIG_MTK_LCM_PHYSICAL_ROTATION="180"
```

**aosp/device/agenew/AGN\_H164YO\_MT8788R/ProjectConfig.mk**

```
BOOT_LOGO = wvga
LCM_HEIGHT = 800
LCM_WIDTH = 480
MTK_LCM_PHYSICAL_ROTATION = 180
```

**aosp/vendor/mediatek/proprietary/bootable/bootloader/lk/project/  
AGN\_H164YO\_MT8788R.mk**

```
BOOT_LOGO := wvga
MTK_LCM_PHYSICAL_ROTATION = 180
```

**aosp/kernel-4.14/drivers/misc/mediatek/lcm/LCD\_NT35521VH\_LVDS/  
LCD\_NT35521VH\_LVDS.c**

```
#define FRAME_WIDTH    (800)
#define FRAME_HEIGHT   (480)
params->dsi.vertical_sync_active    = 1;
params->dsi.vertical_backporch      = 12;
params->dsi.vertical_frontporch     = 12;
params->dsi.vertical_active_line    = FRAME_HEIGHT;

params->dsi.horizontal_sync_active  = 1;
params->dsi.horizontal_backporch    = 48;
params->dsi.horizontal_frontporch   = 48;
params->dsi.horizontal_active_pixel = FRAME_WIDTH;
params->dsi.PLL_CLOCK = 150;
```

**aosp/vendor/mediatek/proprietary/bootable/bootloader/lk/dev/lcm/  
LCD\_NT35521VH\_LVDS/LCD\_NT35521VH\_LVDS.c**

```
#define FRAME_WIDTH    (800)
#define FRAME_HEIGHT   (480)
params->dsi.vertical_sync_active    = 1;
params->dsi.vertical_backporch      = 12;
params->dsi.vertical_frontporch     = 12;
params->dsi.vertical_active_line    = FRAME_HEIGHT;
```

```
params->dsi.horizontal_sync_active = 1;
params->dsi.horizontal_backporch  = 48;
params->dsi.horizontal_frontporch = 48;
params->dsi.horizontal_active_pixel = FRAME_WIDTH;
params->dsi.PLL_CLOCK = 150;
```

#### **aosp/kernel-4.14/drivers/misc/LT8912B/lt8912b\_config.h**

```
#if defined(LVDS_800x1280)
```

```
#define MIPI_H_Active 800
```

```
#define MIPI_V_Active 480
```

```
#define MIPI_H_Total      897
```

```
#define MIPI_V_Total      505
```

```
#define MIPI_H_FrontPorch      48
```

```
#define MIPI_H_SyncWidth      1
```

```
#define MIPI_H_BackPorch      48
```

```
#define MIPI_V_FrontPorch      12
```

```
#define MIPI_V_SyncWidth      1
```

```
#define MIPI_V_BackPorch      12
```

```
#endif
```

#### **aosp/vendor/mediatek/proprietary/bootable/bootloader/lk/platform/common/LT8912B/lt8912b\_config.h**

```
#if defined(LVDS_800x1280)
```

```
#define MIPI_H_Active 800
```

```
#define MIPI_V_Active 480
```

```
#define MIPI_H_Total      897
```

```
#define MIPI_V_Total      505
```

```
#define MIPI_H_FrontPorch      48
```

```
#define MIPI_H_SyncWidth      1
```

```
#define MIPI_H_BackPorch      48
```

```
#define MIPI_V_FrontPorch      12
```

```
#define MIPI_V_SyncWidth      1
```

```
#define MIPI_V_BackPorch      12
```

```
#endif
```