

Created: Fri Jul 3 2026

```
#####  
##### ZED SDK VERSION #####  
#####
```

ZED SDK Version (Diag): 5.2.3
ZED SDK Version (RT): 5.2.3

```
#####  
##### Linux Uname #####  
#####
```

Linux yu-desktop 5.10.120-tegra #1 SMP PREEMPT Tue Aug 1 12:32:50 PDT 2023 aarch64
aarch64 aarch64 GNU/Linux

```
#####  
##### DMESG [ZEDX] LOG #####  
#####
```

```
#####  
##### DMESG [MAX9x] LOG #####  
#####
```

[20.180826] sl_max96712: module verification failed: signature and/or required key
missing - tainting kernel

```
#####  
##### DMESG [PCA] LOG #####  
#####
```

```
#####  
##### DMESG [DTS] LOG #####  
#####
```

[0.007291] DTS File Name:
/dvs/git/dirty/git-master_linux/kernel/kernel-5.10/arch/arm64/boot/dts/../../../../hardware/nv
idia/platform/t19x/galen/kernel-dts/common/tegra194-p2888-0001-p2822-0000-common.dtsi
[1.010245] tegra-pmc c360000.pmc: scratch reg offset dts data not present

```
#####  
##### DTB list original #####  
#####
```

/boot/dtb/kernel_tegra194-p2888-0001-p2822-0000.dtb

```
#####  
##### DTB list SLabs #####  
#####
```

```
/boot/stereolabs/tegra194-p2888-0001-p2822-0000.dtb  
/boot/stereolabs/tegra194-p2888-0008-p2822-0000.dtb  
/boot/stereolabs/tegra194-p3668-0000-p3509-0000.dtb  
/boot/stereolabs/tegra194-p3668-0001-p3509-0000.dtb  
/boot/stereolabs/tegra234-p3701-0000-p3737-0000.dtb  
/boot/stereolabs/tegra234-p3701-0004-p3737-0000.dtb  
/boot/stereolabs/tegra234-p3701-0005-p3737-0000.dtb  
/boot/stereolabs/tegra234-p3701-0008-p3737-0000.dtb  
/boot/stereolabs/tegra234-p3767-0000-p3509-a02.dtb  
/boot/stereolabs/tegra234-p3767-0000-p3768-0000-a0.dtb  
/boot/stereolabs/tegra234-p3767-0001-p3509-a02.dtb  
/boot/stereolabs/tegra234-p3767-0001-p3768-0000-a0.dtb  
/boot/stereolabs/tegra234-p3767-0003-p3509-a02.dtb  
/boot/stereolabs/tegra234-p3767-0003-p3768-0000-a0.dtb  
/boot/stereolabs/tegra234-p3767-0004-p3509-a02.dtb  
/boot/stereolabs/tegra234-p3767-0004-p3768-0000-a0.dtb
```

/boot/stereolabs/utils:

```
board.py  
extlinux.py  
fio.py  
Headers  
Jetson  
Linux  
__pycache__  
Utils  
zlconfig
```

```
#####  
##### EXTlinux file #####  
#####
```

TIMEOUT 30
DEFAULT Stereolabs

MENU TITLE L4T boot options

```
LABEL primary  
    MENU LABEL primary kernel  
    LINUX /boot/Image  
    FDT /boot/dtb/kernel_tegra194-p2888-0001-p2822-0000.dtb  
    INITRD /boot/initrd
```

```
APPEND ${cbootargs} root=UUID=a72e813f-7f3e-47f9-a783-7e658d1206e7 rw
rootwait rootfstype=ext4 rootfstype=ext4 mminit_loglevel=4 console=ttyTCU0,115200n8
console=tty0 fbcon=map:0 net.ifnames=0 rootfstype=ext4 video=efifb:off nospectre_bhb
```

```
# When testing a custom kernel, it is recommended that you create a backup of
# the original kernel and add a new entry to this file so that the device can
# fallback to the original kernel. To do this:
```

- #
- # 1, Make a backup of the original kernel
 - # sudo cp /boot/Image /boot/Image.backup
 - #
- # 2, Copy your custom kernel into /boot/Image
 - #
- # 3, Uncomment below menu setting lines for the original kernel
 - #
- # 4, Reboot

```
# LABEL backup
# MENU LABEL backup kernel
# LINUX /boot/Image.backup
# FDT /boot/dtb/kernel_tegra194-p2888-0001-p2822-0000.dtb
# INITRD /boot/initrd
# APPEND ${cbootargs}
```

```
LABEL Stereolabs
MENU LABEL Stereolabs kernel
LINUX /boot/Image
FDT /boot/stereolabs/tegra194-p2888-0001-p2822-0000.dtb
INITRD /boot/initrd
APPEND ${cbootargs} root=UUID=a72e813f-7f3e-47f9-a783-7e658d1206e7 rw
rootwait rootfstype=ext4 rootfstype=ext4 mminit_loglevel=4 console=ttyTCU0,115200n8
console=tty0 fbcon=map:0 net.ifnames=0 rootfstype=ext4 video=efifb:off nospectre_bhb
```

```
#####
##### Jetpack #####
#####
```

```
# R35 (release), REVISION: 4.1, GCID: 33958178, BOARD: t186ref, EABI: aarch64, DATE:
Tue Aug 1 19:57:35 UTC 2023
```

```
#####
##### Dpkg list #####
#####
```

```
ii stereolabs-zedlink-duo 1.4.2-LI-MAX96712-L4T35.4.1 arm64
NVIDIA Kernel DTB Modified Package by Stereolabs
```

```
#####  
##### Driver list #####  
#####
```

```
/usr/lib/modules/5.10.120-tegra/kernel/drivers/stereolabs/max96712/sl_max96712.ko==>  
exists  
/usr/lib/modules/5.10.120-tegra/kernel/drivers/stereolabs/zedx/sl_zedx.ko==> exists  
/usr/lib/modules/5.10.120-tegra/kernel/drivers/stereolabs/zedone4k/sl_zedxone_uhd.ko==>  
exists  
/usr/lib/modules/5.10.120-tegra/kernel/drivers/stereolabs/max9295/sl_max9295.ko==> exists
```

```
#####  
##### ZEDX Daemon Status LS #####  
#####
```

- zed_x_daemon.service - ZED-X Daemon service
Loaded: loaded (/etc/systemd/system/zed_x_daemon.service; enabled; vendor preset: enabled)
Active: active (running) since Fri 2026-07-03 18:43:24 CST; 1min 35s ago
Main PID: 2621 (ZEDX_Daemon)
Tasks: 5 (limit: 37109)
Memory: 1.1M
CGroup: /system.slice/zed_x_daemon.service
└─2621 /usr/sbin/ZEDX_Daemon

七 03 18:43:24 yu-desktop systemd[1]: Started ZED-X Daemon service.

```
#####  
##### ZEDX Driver State #####  
#####
```

Note : If the following drivers has a id-state <0, reboot is required

```
sl_zedxone_uhd    40960 0  
sl_zedx          28672 0  
sl_zedxhdr      24576 0  
sl_max9295      16384 3 sl_zedxhdr,sl_zedxone_uhd,sl_zedx  
sl_max96712     36864 4 sl_zedxhdr,sl_zedxone_uhd,sl_max9295,sl_zedx
```

```
#####  
##### I2C Trace [-I] #####  
#####
```

```
i2c-3 i2c    3190000.i2c          I2C adapter  
i2c-1 i2c    c240000.i2c         I2C adapter  
i2c-101 i2c    15210000.display    I2C adapter  
i2c-8 i2c    31e0000.i2c         I2C adapter
```

```

i2c-6 i2c 31c0000.i2c I2C adapter
i2c-4 i2c Tegra BPMP I2C adapter I2C adapter
i2c-2 i2c 3180000.i2c I2C adapter
i2c-0 i2c 3160000.i2c I2C adapter
i2c-102 i2c 15220000.display I2C adapter
i2c-7 i2c c250000.i2c I2C adapter
i2c-5 i2c 31b0000.i2c I2C adapter

```

```

#####
##### I2C Trace /dev/i2C-0 #####
#####

```

```

      0 1 2 3 4 5 6 7 8 9 a b c d e f
00:  -----
10:  -----
20:  -----
30:  -----
40:  -----
50: 50 ----- 56 -----
60:  -----
70:  -----

```

```

#####
##### I2C Trace /dev/i2C-1 #####
#####

```

```

      0 1 2 3 4 5 6 7 8 9 a b c d e f
00:  ----- UU -----
10:  -----
20:  -----
30:  -----
40: UU UU -----
50:  -----
60:  -----
70:  ----- 74 -----

```

```

#####
##### I2C Trace /dev/i2C-2 #####
#####

```

```

      0 1 2 3 4 5 6 7 8 9 a b c d e f
00:  -----
10:  -----
20:  -----
30:  -----
40:  -----
50:  -----
60:  -----

```

70:-----

I2C Trace /dev/i2C-3 #####
#####

0 1 2 3 4 5 6 7 8 9 a b c d e f
00:-----
10:-----
20:-----
30:-----
40:-----
50:-----
60:-----
70:-----

I2C Trace /dev/i2C-6 #####
#####

0 1 2 3 4 5 6 7 8 9 a b c d e f
00:-----
10:-----
20:-----
30:-----
40:-----
50:-----
60:-----
70:-----

I2C Trace /dev/i2C-7 #####
#####

0 1 2 3 4 5 6 7 8 9 a b c d e f
00:-----
10:----- UU -----
20:-----
30:-----
40:-----
50: 50 -----
60:-----
70:-----

I2C Trace /dev/i2C-8 #####
#####

```
      0 1 2 3 4 5 6 7 8 9 a b c d e f
00:  -----
10:  -----
20:  -----
30:  -----
40:  -----
50:  -----
60:  -----
70:  -----
```

- >> No bus available at index 9
- >> No bus available at index 10
- >> No bus available at index 11
- >> No bus available at index 12
- >> No bus available at index 13
- >> No bus available at index 14
- >> No bus available at index 15
- >> No bus available at index 16
- >> No bus available at index 30
- >> No bus available at index 31
- >> No bus available at index 32
- >> No bus available at index 33
- >> No bus available at index 34
- >> No bus available at index 35
- >> No bus available at index 36
- >> No bus available at index 37
- >> No bus available at index 38
- >> No bus available at index 39
- >> No bus available at index 40