t=0x831d4a0 [0,0]

Contents: [Dobrica PavlinuÅ¡iÄ 's random unstructured stuff]

Board name: H2C-RPI-B01

HDMI interface to CSI-2 interface
Chip: TC358743XBG
Support TK1 full-featured expansion board
Support Raspberry Pi (linux kernel version to 4.0 or above)
Limited by the performance of Raspberry itself, up to 1080p@25
Physical size: 65x30 mm, fixed hole position is the same as zero.

https://www.aliexpress.com/item/4000152180240.html

https://www.raspberrypi.org/forums/viewtopic.php?f=38&t=120702&start=400#p1339178

Lusya Upgraded version Raspberry Pi HDMI Adapter Board HDMI interface to CSI-2 TC358743XBG for 4B 3B 3B+ ZERO G11-011

/boot/config.txt

https://fluxcoil.net/hardwarerelated/raspberry_pi_4_tc358743

ensure that all options are enabled

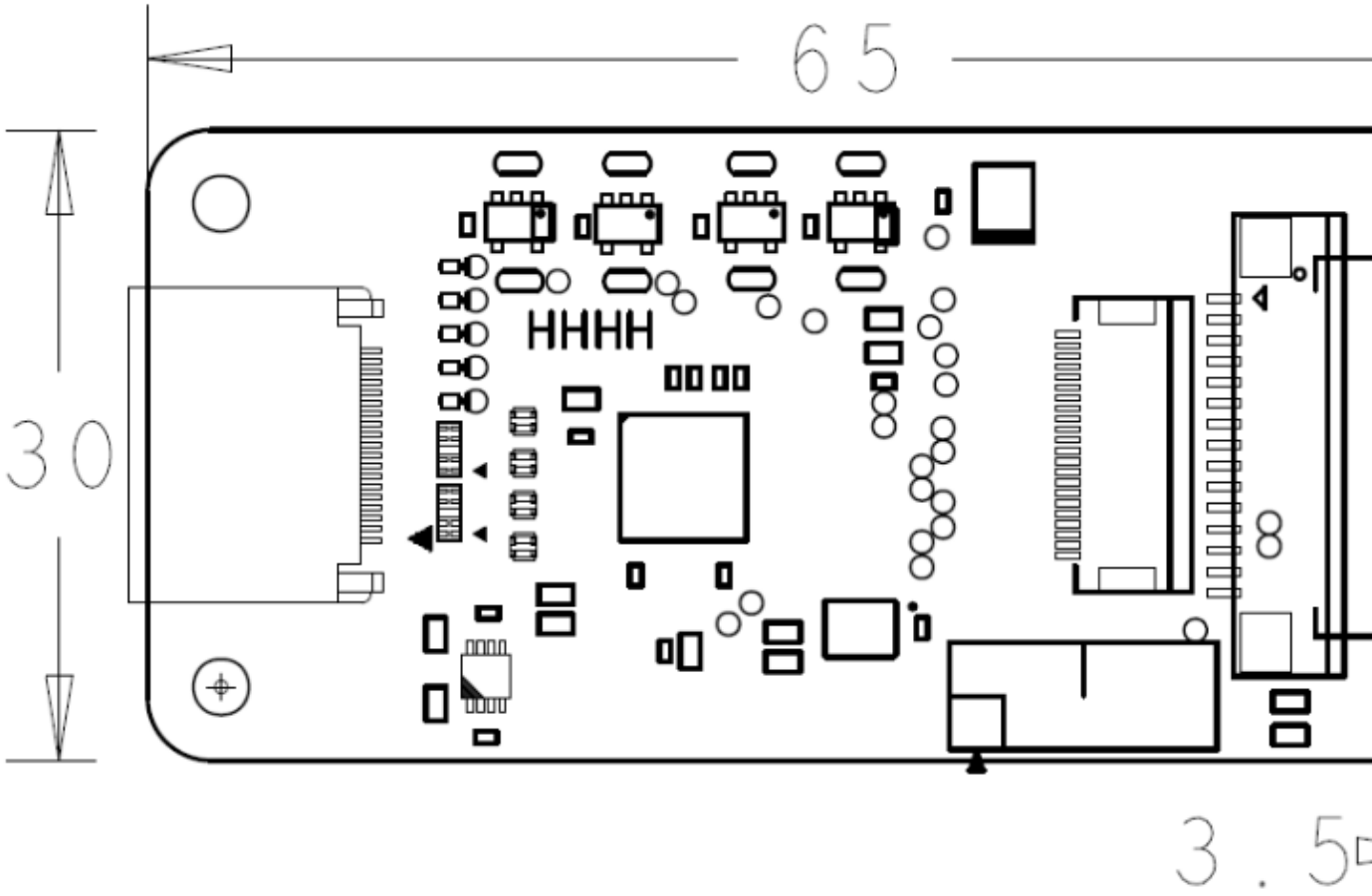
```
dtparam=i2c_arm=on
dtparam=i2s=on
dtparam=spi=on
dtparam=i2c_vc=on
dtparam=audio=on
dtoverlay=vc4-fkms-v3d
dtoverlay=dwc2
dtoverlay=tc358743
dtoverlay=tc358743-audio
start_x=1
gpu_mem=128
```

setup

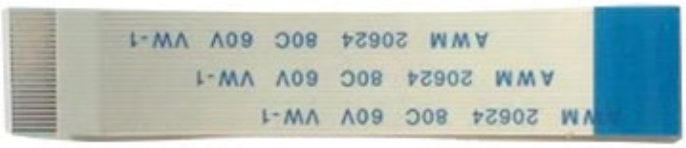
```
[    8.590920] tc358743 0-000f: tc358743 found @ 0x1e (bcm2835 I2C adapter)

root@pihdmi:/home/pi/CSI2_device_config# git remote -v
origin  https://github.com/6by9/CSI2_device_config (fetch)
origin  https://github.com/6by9/CSI2_device_config (push)

root@pihdmi:/home/pi/CSI2_device_config# cat edid.sh
```

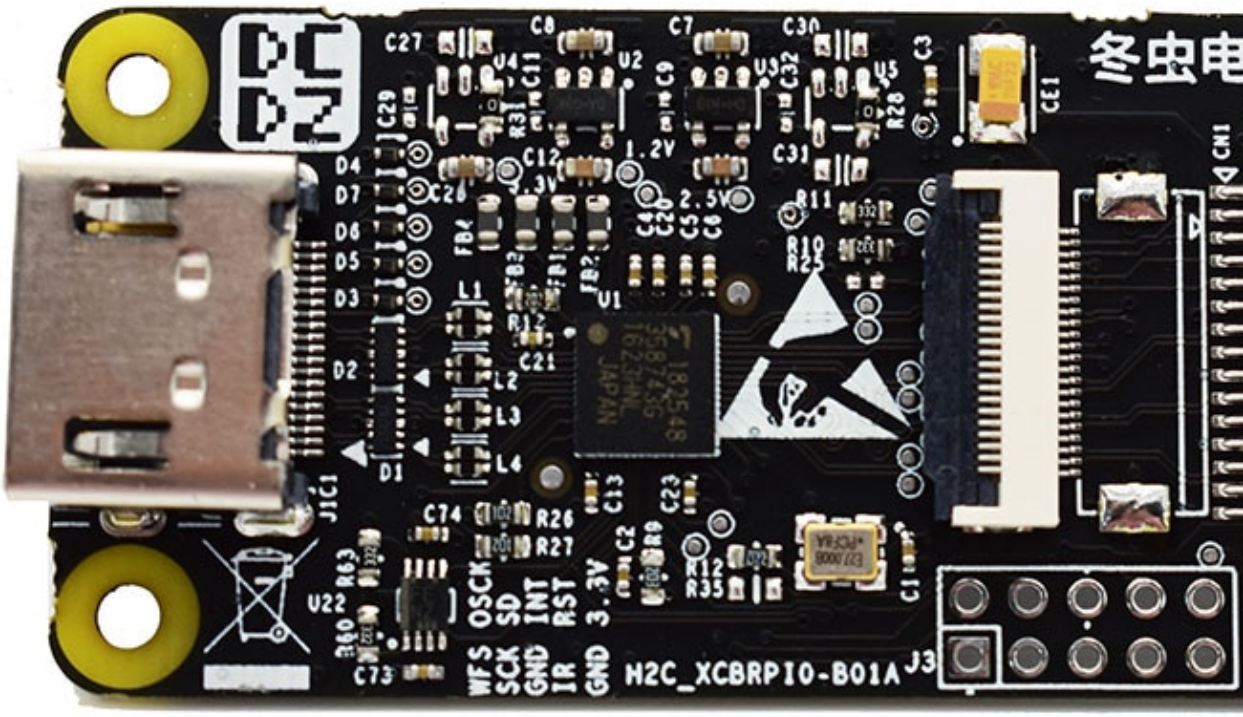
```
v4l2-ctl --set-edid=file=1080P50EDID.txt --fix-edid-checksums

root@pihdmi:/home/pi/CSI2_device_config# sh -x edid.sh
+ v4l2-ctl --set-edid=file=1080P50EDID.txt --fix-edid-checksums

CTA-861 Header
  IT Formats Underscanned: yes
  Audio:                   yes
  YCbCr 4:4:4:             no
  YCbCr 4:2:2:             no

HDMI Vendor-Specific Data Block
  Physical Address:        3.0.0.0
  YCbCr 4:4:4 Deep Color:  no
  30-bit:                  no
  36-bit:                  no
  48-bit:                  no

CTA-861 Video Capability Descriptor
  RGB Quantization Range:  yes
  YCC Quantization Range:  no
  PT:                      Supports both over- and underscan
  IT:                      Supports both over- and underscan
  CE:                      Supports both over- and underscan
```

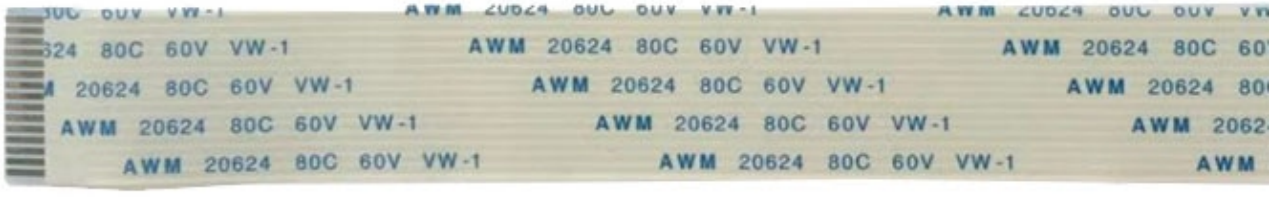
https://fluxcoil.net/hardwarerelated/raspberry_pi_4_tc358743



LUSYA


AWM 20624 80C 60V VW-1


H2C_XCBRP10-B01A
WFS
SCK
GND
IR
GND
OSCK
SD
INT
RST
3.3V
1.2V
2.5V
3.3V
J1C1
J3
CN1


AWM 20624 80C 60V VW-1

ustreamer

```
pi@pihdmi:~ $ git clone --depth=1 https://github.com/pikvm/ustreamer
pi@pihdmi:~ $ cd ustreamer/
pi@pihdmi:~/ustreamer $ make WITH_OMX=1
pi@pihdmi:~/ustreamer $ ./ustreamer --dv-timings --device=/dev/video0 --format=uyvy --encoder=omx
 --workers=3 --persistent --drop-same-frames=30 --host=0.0.0.0 --port=8080
```