OSSC
Open Source Scan Converter

Converts and scales TMS9928 YPbPr 256x192 video output to crystal-clear HDMI output for display on a modern monitor, TV, or projector.
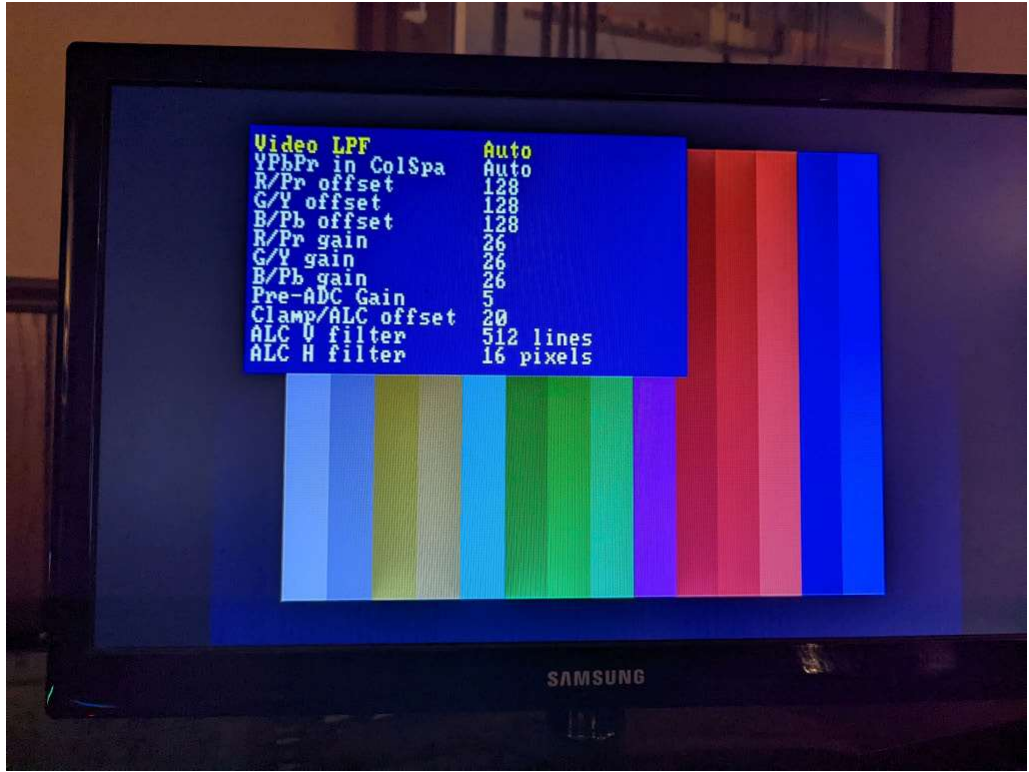
https://videogameperfection.com/support-files/ossc-quickstart.pdf

May be purchased on Amazon.com:

https://www.amazon.com/dp/B083FG6PXH

Sample configuration pages follow….

Video in proc   >
Sampling opt.   >
Sync opt.   >
Output opt.   >
Scanline opt.   >
Post-proc.   >
Compatibility   >
Audio options   >
Settings opt   >

Video LPF   Auto
YPbPr in ColSpa   Auto
R/Pr offset   128
G/Y offset   128
B/Pb offset   128
R/Pr gain   26
G/Y gain   26
B/Pb gain   26
Pre-ADC Gain   5
Clamp/ALC offset   20
ALC V filter   512 lines
ALC H filter   16 pixels

Screen 1:

```
480p in sampler    Auto
400p in sampler    VGA 640x400@70
Allow TVP HPLL2x   On
Allow upsample2x   Off
<Adv. timing  >
```


Screen 2:

```
Analog sync LPF    2.5MHz (max)
Analog STC LPF     4.8MHz (HDTV/PC)
Analog sync Vth    123 mV
Hsync tolerance    0.92 us
Vsync threshold    10.46 us
H-PLL Pre-Coast    1 lines
H-PLL Post-Coast   0 lines
```

```
240p/288p proc      Line3x
384p/400p proc      Line2x
480i/576i proc      Line2x (bob)
480p/576p proc      Passthru
960i/1080i proc     Line2x (bob)
Line2x mode         Generic 4:3
Line3x mode         Generic 4:3
Line4x mode         Generic 4:3
Line5x mode         Generic 4:3
Line5x format       1920x1080
256x240 aspect      4:3
TX mode             HDMI (RGB)
HDMI ITC            Off
```
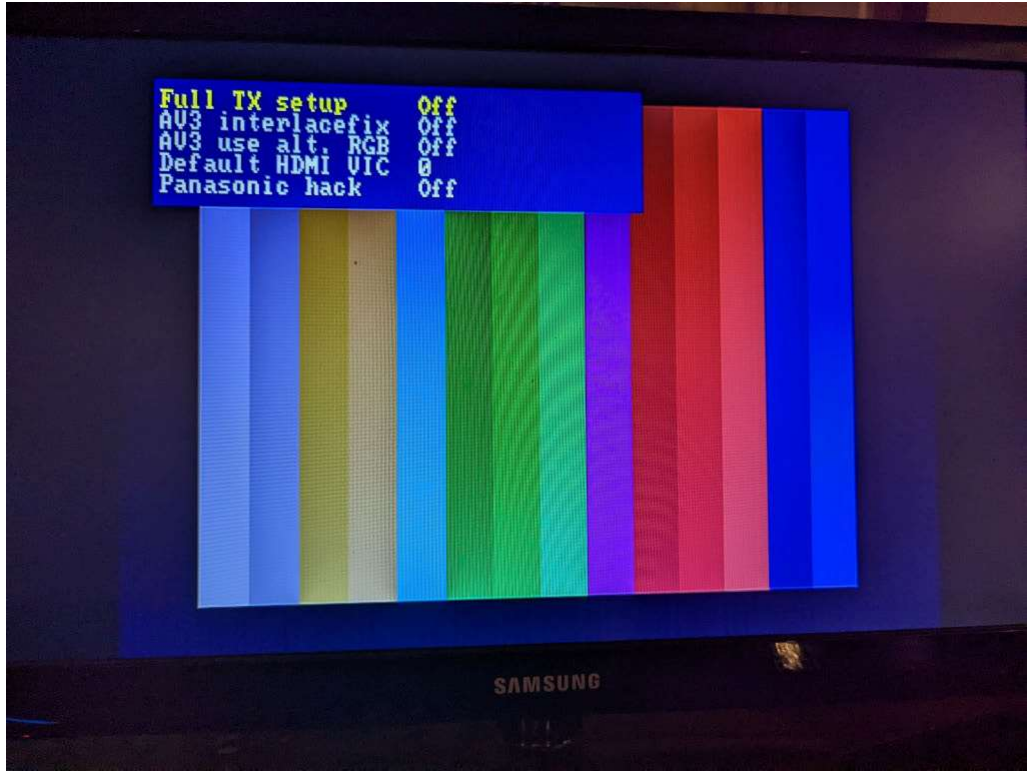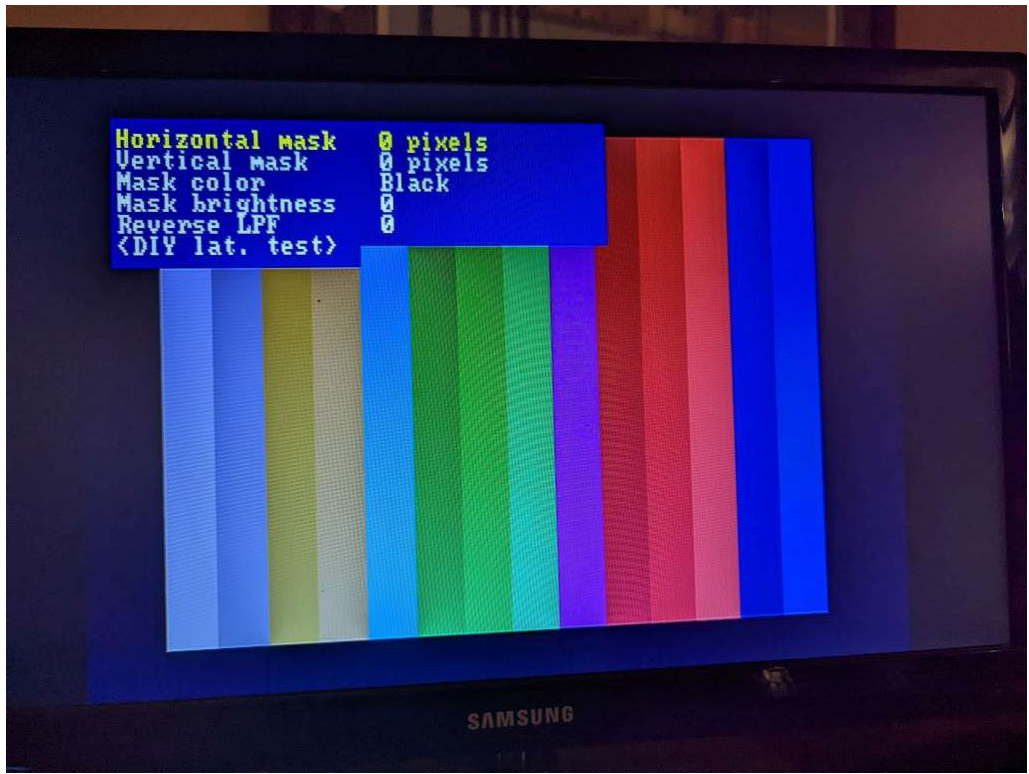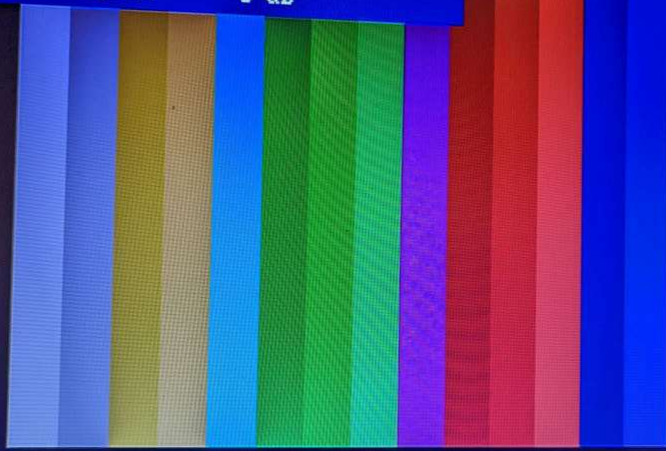
```
Scanlines           Off
Sl. strength        18%
Sl. hybrid str.     0%
Sl. method          Multiplication
Sl. alternating     On
Sl. alignment       Top
Sl. alt interval    Off
Sl. type            Horizontal
<   Custom Sl.   >
```

```
Horizontal mask    0 pixels
Vertical mask      0 pixels
Mask color         Black
Mask brightness    0
Reverse LPF        0
<DIY lat. test>
```

SAMSUNG


```
Full TX setup       Off
AV3 interlacefix    Off
AV3 use alt. RGB    Off
Default HDMI VIC    0
Panasonic hack      Off
```

SAMSUNG

Screen 1:
```
Down-sampling       2x   (fs = 48kHz)
Swap left/right     Off
Pre-ADC gain        0 dB
```

Screen 2:
```
<Load profile >    6: <used>
<Save profile >
<Reset settings>
Link prof->input   No link
Link input->prof   Off
Initial input      AV2_YPbPr
Autodetect input   Off
Auto AV1 Y/Gs      RGsB
Auto AV2 Y/Gs      YPbPr
Auto AV3 Y/Gs      RGsB
LCD BL timeout     Off
OSD                Full
OSD status disp.   5s
<Import sett.   >
<Fw. update     >
```

SAMSUNG