

MIPI Generator : SVO-03-MIPI

MIPI Signal Generator Connectable via USB/HDMI

- ◆ Connects to PC to output arbitrary video as MIPI CSI-2 signals
- ◆ MIPI signal parameters (resolution, bit rate, lanes) configurable in detail
- ◆ Supports serializer boards for automotive camera emulation



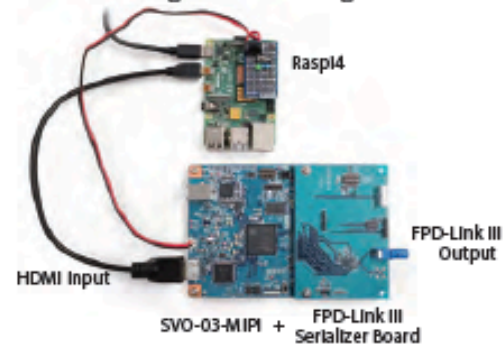
CASE1 PC-less MIPI Signal Generator

- MIPI output from any image with 5V supply
- Test chart output – perfect for capture device testing
- Works with serializer boards for GMSL / FPD-Link / GVIF



CASE2 HDMI to MIPI Converter

- PC/Raspberry Pi HDMI → MIPI conversion
- Supports HDMI 1.4 input, YUV422/RGB24 formats
- Customizable timing & EDID settings



CASE3 USB 3.0 to MIPI Converter

Convert image/video data to MIPI via USB

- Flexible settings for any video timing
- Multi-channel synchronous output
- 16-bit GPIO control at any timing
- Standard control software included
- Virtual Channel & Embedded Line (custom)

Output Settings – Advanced



Output Settings – Simple



Specification Details

- MIPI CSI-2, 950Mbps, 1/2/4-lane
- USB3.0 (Windows)
- Supports USB bus power
- IO voltage : 1.8V / 2.5V / 3.3V
- 256 MB DDR3 SDRAM – stable output
- I²C frequency: 100, 200, 400 kHz
- Output: YUV422, RGB24, RAW10/12/20
- FSYNC & Start/Stop sync supported
- Equipped with ADV7612 HDMI receiver
- Includes video output & GPIO/I²C control software

