

## Technical Specifications TL-2X1-HDV

### Features at a Glance

- Multiple scaled (VGA) output resolutions
- 1 x VGA + 3.5mm stereo audio input, up to 1920x1200@60Hz.
- 1 x HDMI input, up to 4k@60Hz (Chroma sub-sampling 4:2:0 8-bit only).
- Auto-sense and switching to the latest input.
- CEC controller built in to power on/off sink device by auto-detecting the source status.
- Adjustable modes via "Switch" and "CEC" DIP switch.



The TL-2X1-HDV is a VGA/HDMI Smart Switcher with direct CEC control, offering one HDCP compliant HDMI input, a VGA with analog stereo audio input, and a HDMI output up to 4K@60Hz (Chroma sub-sampling 4:2:0 8-bit only) without scaler.

Its built-in CEC controller allows user to directly switch the power status of CEC-supported display device, such as TV or projector, eliminating the need of IR Remote. Select buttons in the front panel help users to choose input sources, or power on/off display device.

### Specifications

Technical	
Input	2 x HDMI IN 1 x VGA IN
Input Signal Type	HDMI: HDMI1.4 with HDCP VGA: VESA
Input Resolution Support	HDMI: 4096x2160@24/25/30 Hz (60 Hz at 4:2:0), 3840x2160@24/25/30 Hz (60 Hz at 4:2:0), 1080P, 1080I, 720P, 576p, 576i, 480p, 480i; VGA: 1920x1200/1920x1080/1680x1050/1600x1200/1600x900/1400x1050/1440x900/1366x768/1280x1024/1280x800/1280x768/1280x720/1024x768/800x600/640x480@60Hz
Input EDID (HDMI)	EDID from Display
Input EDID (VGA)	1920x1080@60 Hz
Input Video Level	0.5-1.0 V p-p
Maximum Pixel Clock	HDMI:340MHz VGA:165MHz
Output	1 x HDMI OUT

Output Signal Type	HDMI1.4 with HDCP
Output Resolution Support	VESA (60 Hz): 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1280 x 800, 1280 x 960, 1280 x 1024, 1360 x 768, 1366 x 768, 1440 x 900, 1600 x 900, 1600 x 1200, 1680 x 1050, 1920 x 1200 SMPTE: 720 x 480@60Hz, 720 x 576@50Hz, 1280 x 720@50/60Hz, 1920 x 1080@50/60Hz, 3840 x 2160@30Hz (60 Hz at 4:2:0)
Video Impedance	100 $\Omega$
<b>General</b>	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: $\pm 8$ kV (Air-gap discharge), $\pm 4$ kV (Contact discharge)
Surge Protection	Voltage: $\pm 1$ kV (Ten times respectively for the positive and negative voltage)
Electrical Fast Transient/Burst	Data communication cord: 1 kV Power cord: 2 kV
Power Supply	DC 12 V/0.5 A
Power Consumption (Maximum)	1.5W
Device Dimension (W x H x D)	141.8mm x 64.2mm x 20mm (5.54" x 2.53" x 0.70")
Product Weight	0.22kg
Certification	CE, FCC

## Dimensional Drawings

