

Technical Specifications

TL-6X1-HDV

Features at a Glance

- 6x1 scaler switcher
- 4Kx2K transmission
- Output resolution selectable
- Support EDID management
- Controlled via IR, RS232 and buttons



TL-6X1-HDV is a scaler/switcher with 4 HDMI inputs and 2 VGA inputs supporting video resolution up to 4Kx2K. It scales VGA up to 1920x1200. Besides, it supports 2 analog audio inputs and 3 audio outputs, including 1 digital optical audio and 2 analog audio. TL-6X1-HDV supports auto-switching or manual-switching and features built-in HDMI & VGA EDID management. The output resolution is selectable for optimum display compatibility.

Specifications

I/O Connections	
HDMI Inputs	Four(4) Type A receptacle
VGA Inputs	Two(2) HD-15 female receptacle
Audio Inputs	Two(2) 3.5mm TRS jack
HDMI Output	One(1) Type A receptacle
Audio Outputs	One(1) 3-pin captive screw connector, One(1) 3.5mm TRS jack, One(1) optical jack
IR Input	One(1) 3.5mm TRS jack
RS232 Control	One(1) 3-pin captive screw connector
Button Control(Front Panel)	Four(4) buttons in total
Firmware Update	One(1) Type A receptacle
DC 5V Power	One(1) Power connector with locking screw (5.5mm outside diameter, 2.1mm inside diameter)

Supported Video, Audio and Control	
Maximum Video Compatibility	Deep color 48/36/30/24 Bit at 1080P,3D and 4Kx2K(UHD)
VGA Scaling Resolution	1920x1200@60Hz, 1920x1080@60Hz, 1360x768@60Hz, 1280x800@60Hz, 1280x720@60Hz, 1024x768@60Hz.
HDMI EDID	Pass through from display, 1080P&PCM 2ch, 1080P&5.1ch, 1080P3d&5.1ch, 1080i&PCM 2ch, 4K&PCM 2ch
VGA EDID	1360x768
Embedded Audio Input/output	Up to PCM 6channel
Digital(Optical) Audio Frequency Response	PCM:6 channel(5.1) at 16,20 or 24 bit
Embedded Audio	Up to 8 channel, Dolby Digital TrueHD, and DTS-HD master audio
Analog Audio Frequency Response	20Hz~20K Hz
Analog Audio Input Impedance	> 10K Ω
Analog Audio Output Impedance	50 Ω
Maximum Passive HDMI Distance	15m(49ft)
IR Carrier Frequency Range	33-55KHz at 5V
Chassis and Environmental	
Enclosure	Painted aluminum
Dimensions (W x H x D)	350mm x 28mm x 110mm (13.78in x 1.10in x 4.33in)
Shipping Weight	1.75Kg(3.86bls)
Operating Temperature (Environment)	0° ~ +40° C(+32° ~ +104° F)
Operating Temperature (Chassis)	45° C(113° F)
Operating Humidity (Environment)	10% ~ 90% Non-condensing
Storage Temperature (Environment)	-15° ~ +70° C(+5° ~ +158° F)
Storage Humidity (Environment)	10% ~ 90% Non-condensing
Power, ESD, Regulatory	
Maximum Power Consumption	3.8W
Power Supply	DC 5V at 3A
ESD Protection	15KV
Regulatory	CE, FCC
Other	
Standard Warranty	1 Year
Indicator	1 Power, 2 Source select, 6 resolution select
Included Items	Installation guide, Power adapter, Mounting ears(2 ea), Mounting screws(8 ea), RS232 cable, Rubber feet(4 ea), IR receiver, IR remote, 3-pin captive screw connectors (2 ea)

Dimensional Drawings

