Technical Specifications
TL-4X1-HD2

Features at a Glance

- EDID management
- Supports 4K 4:4:4 HDMI video
- HDCP 2.2 compliant
- Supports HDR10 and Dolby Vision
- Controlled via IR and RS232
- Ultra-thin size



The TL-4X1-HD2 is an ultra-thin HDMI switcher with 4 inputs and 1 output. It features auto-switching and manual-switching. The TL-4X1-HD2 supports intelligent EDID management via 4-pin DIP switch in rear panel, with 5 built-in EDID presets and 10 user-definable EDID settings. Compatible with HDMI 2.0 & HDCP 2.2, the TL-4X1-HD2 can transmit 4K@60 4:4:4 with HDR and 1080P with or without 3D.

Specifications

I/O Connections	
HDMI Inputs	Four (4) HDMI type A receptacle
HDMI Output	One (1) HDMI type A receptacle
IR Input	One (1) 3.5mm TRS jack
RS232 Control	One (1) 3-pin pluggable terminal block
EDID Data Selector	One (1) 4-pin solider switch
Source Select Button (Front Panel)	One (1) button
DC 5V Power/Firmware Update	One (1) mini USB type B receptacle
Supported Video and Audio	
Resolutions	HDMI: 480I, 480p, 576I, 576P, 720p, 1080I, 1080p, 4Kx2K@60Hz 4:4:4 DVI: 640x480@60Hz, 640x480@72Hz, 640x480@75Hz, 800x600@60Hz, 800x600@72Hz, 800x600@75Hz, 1024x768@60Hz, 1024x768@70Hz, 1024x768@75Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1600x1200@60hz, 1920x1080@60Hz, 1920x1200@60Hz
Video Compliance	HDMI 1.4/2.0 with HDR, HDCP 1.4/2.2, DVI1.0
Bandwidth	18 Gbps
Embedded Audio Compatibility	PCM, Dolby Digital, DTS, and DTS-HD.
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	0.5 ~ 1.0 volts p-p
IR Carrier Frequency Range	33-55KHz at 5V

Chassis and Environmental	
Enclosure	Painted aluminum
Dimensions (W x H x D)	194mm x 12mm x 80.4mm (6.00in x 0.47in x 2.77in)
Shipping Weight	0.73Kg (1.60lbs)
Operating Temperature (Environment)	-10° ~ +40° C (+14° ~ +104° F)
Operating Temperature (Chassis)	45° C (113° F)
Operating Humidity (Environment)	10% ~ 90% Non-condensing
Storage Temperature (Environment)	-15° ~ +70° C (+5° ~ +167° F)
Storage Humidity (Environment)	10% ~ 90% Non-condensing
Power, ESD, Regulatory	
Maximum Power Consumption	4.2W
Power Supply	5V at 1A
ESD Protection	15KV
Regulatory	CE, FCC
Other	
Standard Warranty	1 Year
Indicators	1 Power, 1 switch mode, 4 Input status, 1 Output connection status
Included Items	Installation guide, Power adaptor, mounting “L” brackets (2 ea), mounting screws (4 ea), Plastic cushions (4 ea), RS232 cable, IR remote, IR receiver

Dimensional Drawings

