

Technical Specifications

TL-INCT-01

Features at a Glance

- Supports video source up to HDMI 2.0 (4K@60Hz 4:4:4 8-bit) and HDCP 2.2
- HDMI audio de-embedded out with Digital Coaxial and Analog Stereo
- Rotary switch for EDID Management with 15 EDID presets
- Built in CEC controller from HDMI out
- Built in RS232 controller, to pre-load and store RS232 command of sink device



The TL-INCT-01 is a HDMI In-line Controller, with resolutions up to 4K@60Hz (chroma sub-sampling 4:4:4 8-bit only) and HDCP 2.2.

Its digital or analog audio output allows audio to de-embed from HDMI input and send to an audio distribution system, such as an AVR or Zone Amplifier. Its rotary EDID switch has 15 EDID presets to help negotiate the HDMI handshake in certain situations, such as an old HDMI display with bad DDC channel, or a DVI display with audio reinforcement.

By auto-detecting input signal status, it automatically triggers CEC commands to turn on or off a TV with CEC support, pre-loaded RS232 commands to power on or standby projector, and relay control to trigger up and down for a projection screen.

Specifications

Technical	
Input	1 x HDMI IN
Input Signal Type	HDMI 2.0 with HDCP 2.2
Input Resolution Support	VESA: 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz; SMPTE: 4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 1080P@24/25/30/50/60Hz, 1080I@50/60Hz, 720P@50/60Hz, 576P@50Hz, 480P@60Hz
Input Video Level	0.5-1.2 V p-p

Input DDC Signal	5V p-p
Maximum Pixel Clock	297MHz

Output	1 x HDMI OUT
Output Signal Type	HDMI 2.0 up to 4K@60Hz(4:2:0 10-bit) and HDCP 2.2.
Output Resolution Support	<p>VESA: 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz;</p> <p>SMPTE: 4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 1080P@24/25/30/50/60Hz, 1080I@50/60Hz, 720P@50/60Hz, 576P@50Hz, 480P@60Hz</p>
Video Impedance	100 Ω

General

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	<p>Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)</p>
Surge Protection	<p>Voltage: ±1 kV (Ten times respectively for the positive and negative voltage)</p>
Electrical Fast Transient/Burst	<p>Data communication cord: 1 kV Power cord : 2 kV</p>
Power Supply	DC 12V 0.5A
Power Consumption (Maximum)	≤2 W
Device Dimension (W x H x D)	<p>120mm x 20mm x 80mm / 4.72" x 0.79" x 3.15"</p>
Product Weight	0.23kg
Certification	CE, FCC, RoHS

Dimensional Drawings

