

## Technical Specifications

# TL-SMP-HDV

### Features at a Glance

- Designed for table or podium-top use
- HDMI and VGA inputs; HDMI output
- Twisted pair between transmitter and receiver
- Buttons for display control
- Powered from the receiver
- 220 ft. (70m) max distance between the transmitter and receiver



The TechLogix TL-SMP-HDV is an HDMI and VGA collaboration system which includes a control system to turn on and off the display and adjust the volume on the display with physical buttons on the top of the transmitter. The display may be controlled by CEC or IR commands. EDID information from the display is passed to the HDMI input, which supports video signals up to 4K/30. The VGA input can be configured to scale the source image up to 1920x1200.

With a 70 meter (220 ft) range, the TL-SMP-HD is not limited to a purely table top installation. The transmitter is provided power from the receiver via the twisted pair cable.

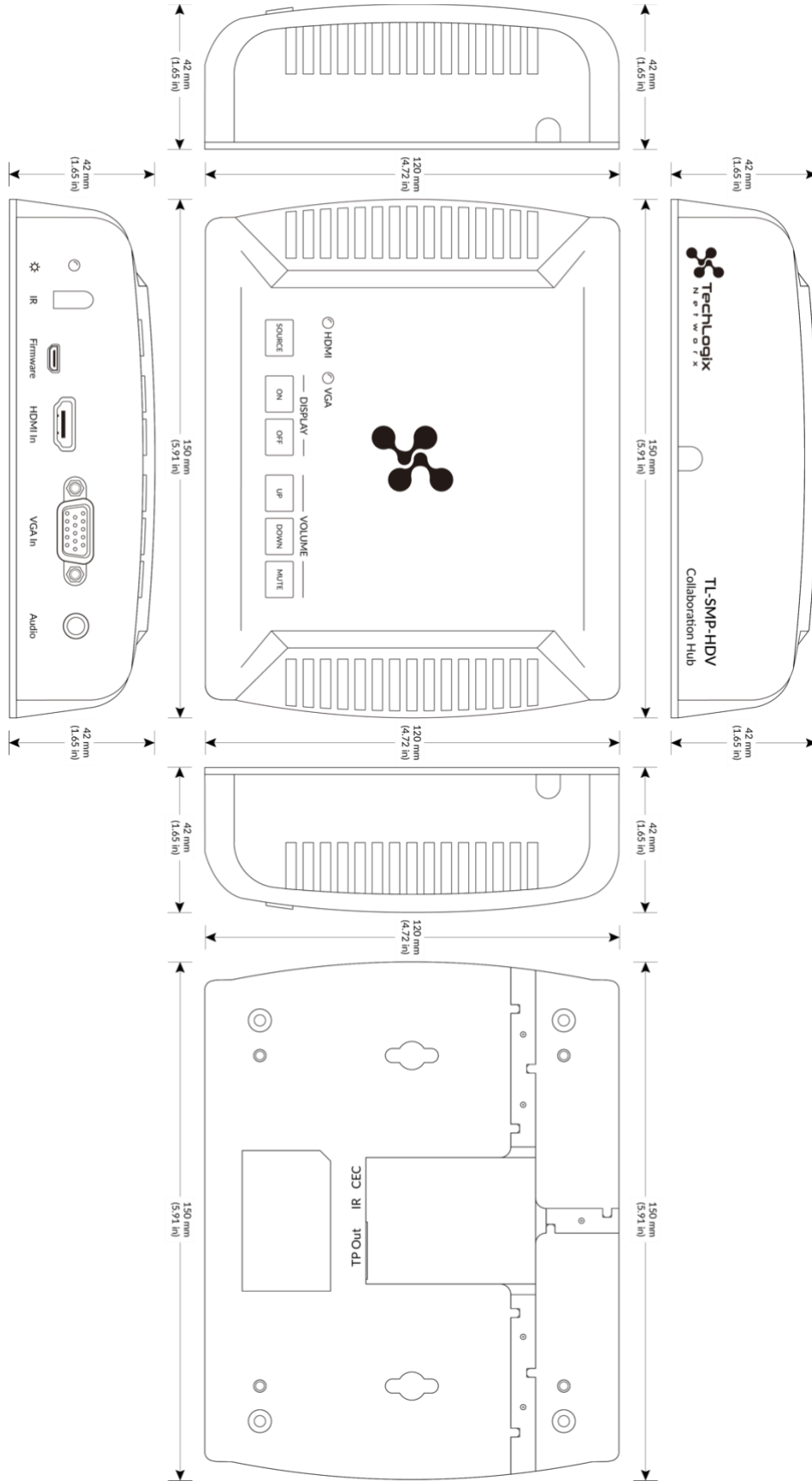
## Specifications

<b>Transmitter I/O Connections</b>	
HDMI In	HDMI Type A Receptacle
VGA In with Audio	Female HD15 connector with 3.5 mm TRS
TP Out (Bottom of device)	8P8C port (Shielded RJ45)
IR (IR learning only)	Embedded IR receiver
Firmware	Micro USB Type B
<b>Receiver I/O Connections</b>	
HDMI Out	HDMI Type A Receptacle
TP In	8P8C port (Shielded RJ45)
IR Out	3.5mm TS Jack
DC 12V	5.5 mm Outside Diameter, 2.6 mm Inside Diameter Barrel (Locking)
<b>Supported Video and Audio</b>	
Maximum Video Compatibility	70 m: Deep Color 36/30/24 Bit at 1080p 40 m: Deep Color 48 Bit at 1080p, 3D, and 4k x 2k (UHD) up to 30 Hz: RGB, YCbCr 4:4:4, YCbCr 4:2:2; up to 60 Hz: YCbCr 4:2:0
Video Compliance	HDMI, HDCP 1.4, and CEC (Consumer Electronics Control)
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Input DDC Signal	5.0 volts p-p (TTL)

Input Video Signal	0.5 to 1.0 volts p-p
IR Carrier Frequency Range	33-55kHz at 5 volts

<b>Extender Signal Characteristics</b>	
Maximum Distance	70 m: Deep Color 36/30/24 Bit at 1080p 40 m: Deep Color 48 Bit at 1080p, 3D, and 4k x 2k (UHD) up to 30 Hz: RGB, YCbCr 4:4:4, YCbCr 4:2:2; up to 60 Hz: YCbCr 4:2:0
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Maximum Distance	70 m (220 ft)
<b>Chassis and Environmental</b>	
Enclosure	Top: Gray ABS, Bottom: Painted Steel
Transmitter Dimensions (HxWxD)	42 mm x 150 mm x 120 mm (1.65 in x 5.91 in x 4.72 in)
Receiver Dimensions (HxWxD)	23 mm x 130 mm x 102 mm (0.91 in x 5.12 in x 4.02 in)
Shipping Weight	1.72 kg (3.80 lbs)
Operating Temperature (Environment)	-10° to +40° C
Operating Humidity (Environment)	10% ~ 90%
Storage Temperature (Environment)	-15° to +70° C
Storage Humidity (Environment)	0%~55%
<b>Power, ESD, Regulatory</b>	
Maximum Power Consumption	4.4W(TX), 6.7W(RX)
Power Supply	12V DC
ESD Protection	15KV
Regulatory	CE, FCC
<b>Other</b>	
Standard Warranty	1 Year
Transmitter Diagnostic Indicators	Power LED, HDMI active LED, VGA active LED
Receiver Diagnostic Indicators	Power LED, Twisted Pair LEDs
Included Items	Power supply with adapters (US, EU, UK, AU), mounting "L" brackets (2 ea), mounting screws (2 ea), IR Transmitter, Rubber feet (8 ea)

## Transmitter Dimensional Drawing



**Receiver Dimensional Drawing**

