

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.

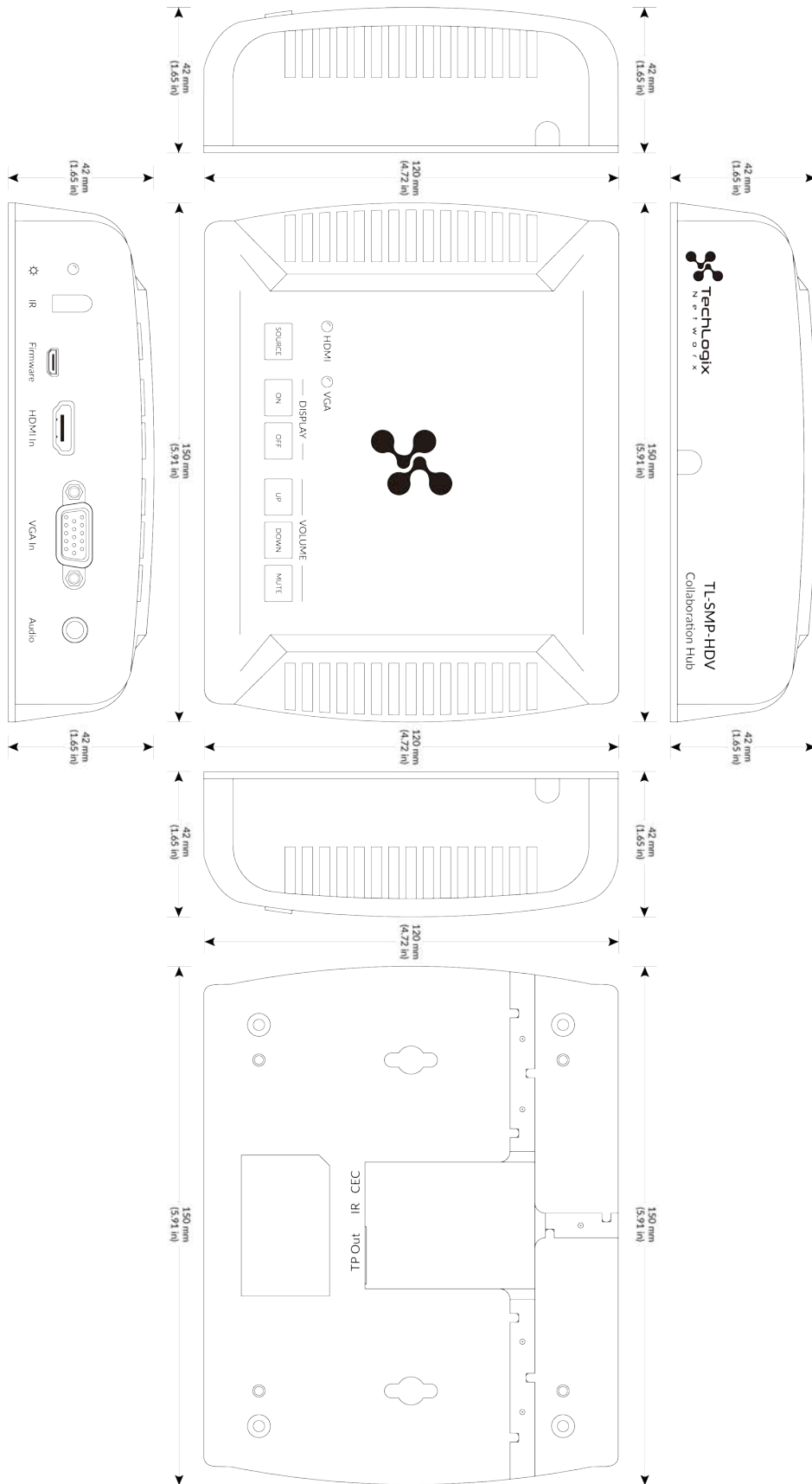
With a 70 meter (220 ft) range, the TL-SMP-HD is not limited to a purely table top installation. The transmitter is provided power from the receiver via the twisted pair cable.

Specifications

| Transmitter I/O Connections | |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Receiver I/O Connections | |
| 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) |
| Supported Video and Audio | |
| 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 |

| Extender Signal Characteristics | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) |
| Chassis and Environmental | |
| 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% |
| Power, ESD, Regulatory | |
| Maximum Power Consumption | 4.4W(TX), 6.7W(RX) |
| Power Supply | 12V DC |
| ESD Protection | 15KV |
| Regulatory | CE, FCC |
| Other | |
| 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

