

10G SDVoE HDMI 2.0 AV over IP Transmitter with IR and RS-232

The VLIP-SDCP-EXT(TX) Transmitter is a cutting-edge solution for seamless AV signal distribution. Featuring HDMI 2.0 input and 10GBase-T output, it ensures high-quality transmission of up to 4K@60Hz resolution with zero latency. LED indicators provide clear status feedback, while flexible EDID settings cater to various display requirements. With support for multiple installation scenarios, including point-to-point and matrix switching via 10G Network switch, it adapts to diverse applications. Its compact design and comprehensive control options make it perfect for residential, commercial, and medical AV setups, delivering unparalleled performance and reliability.

Featured Highlights

- HDMI 2.0b and HDCP 2.2 compliant
- Support the input timing of up to 4096x2160@60Hz, 3840x2160@60Hz (4:4:4) and 3840x2160@60Hz (4:2:0 10-bit HDR)
- Supports HDR10, Dolby Vision, HLG, 3D as well
- Supports complete HDMI audio formats, up to Dolby TrueHD, Dolby Atmos, and DTS-HD, DTS:X
- Supports Zero-Frame latency operating mode
- The input bit rate is 3.2 Gbps for 1080p@60Hz, 6 Gbps for 3840x2160@30Hz or 12 Gbps for 3840x2160@60hz
- Between the device and the Ethernet switch or the receiver, the maximum transport distance is 100m

VIDEO/AUDIO

Input Connectors	1 x HDMI 2.0 1 x Unbalanced stereo audio
Supported Input	HDMI in: [Video] 640x480 ^s , 800x600 ^s , 1024x768 ^s , 1280x1024 ^s , 1360x768 ^s , 1440x900 ^s , 1440x1050 ^s , 1600x1200 ^s , 720x480 ⁱ (480i59), 720x480 ⁱ (480p59), 720x576 ⁱ (576i50), 720x576 ⁱ (576p50), 1280x720 ^s (720p50), 1280x720 ⁱ (720p59), 1280x720 ^s (720p60), 1920x1080 ⁱ (1080i50), 1920x1080 ⁱ (1080i59), 1920x1080 ^s (1080i60), 1920x1080 ⁱ (1080p23), 1920x1080 ⁱ (1080p24), 1920x1080 ⁱ (1080p25), 1920x1080 ⁱ (1080p29), 1920x1080 ⁱ (1080p30), 1920x1080 ⁱ (1080p50), 1920x1080 ⁱ (1080p59), 1920x1080 ⁱ (1080p60), 3840x2160 ⁱ (2160p23), 3840x2160 ⁱ (2160p24), 3840x2160 ⁱ (2160p25), 3840x2160 ⁱ (2160p29), 3840x2160 ^s (2160p30), 3840x2160 ⁱ (2160p60), 4096x2160 ^s , 4096x2160 ^s 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz; [Audio] LPCM, 2.0/5.1/7.1 channel, 44.1/48/96/192 kHz Dolby True HD, up to 7.1,192kHz DTS-HD Master, up to 7.1,192kHz Dolby Digital AC-3 (DVD format) DTS version 1 (DVD format) Audio in: Unbalanced stereo audio
Output Connectors	1 x 10GBase-T

CONTROL

Ethernet	PC Configurator: for configuring, controlling and upgrading
RS232	PC Configurator: for testing and upgrading

AUDIO

Support Output	Ethernet (10GBase-T): [Video] 640x480 ^s , 800x600 ^s , 1024x768 ^s , 1280x1024 ^s , 1360x768 ^s , 1440x900 ^s , 1440x1050 ^s , 1600x1200 ^s , 720x480 ⁱ (480i59), 720x480 ⁱ (480p59), 720x576 ⁱ (576i50), 720x576 ⁱ (576p50), 1280x720 ^s (720p50), 1280x720 ⁱ (720p59), 1280x720 ^s (720p60), 1920x1080 ⁱ (1080i50), 1920x1080 ⁱ (1080i59), 1920x1080 ^s (1080i60), 1920x1080 ⁱ (1080p23), 1920x1080 ⁱ (1080p24), 1920x1080 ⁱ (1080p25), 1920x1080 ⁱ (1080p29), 1920x1080 ⁱ (1080p30), 1920x1080 ⁱ (1080p50), 1920x1080 ⁱ (1080p59), 1920x1080 ⁱ (1080p60), 3840x2160 ⁱ (2160p23), 3840x2160 ⁱ (2160p24), 3840x2160 ⁱ (2160p25), 3840x2160 ⁱ (2160p29), 3840x2160 ^s (2160p30), 3840x2160 ⁱ (2160p60), 4096x2160 ^s , 4096x2160 ^s 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz, 9 = 75 Hz; [Audio] LPCM, 2.0/5.1/7.1 channel, 44.1/48/96/192 kHz Dolby True HD, up to 7.1,192kHz DTS-HD Master, up to 7.1,192kHz Dolby Digital AC-3 (DVD format) DTS version 1 (DVD format)
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MECHANICAL

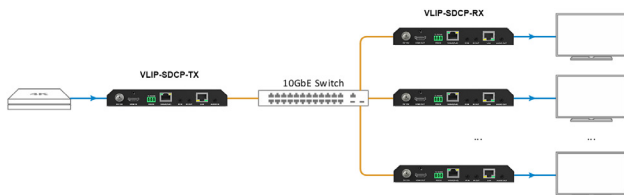
Operating Temperature	0 to +40°C (32 to +104 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to +70°C (-4 to +158 °F), 10% to 90%, non-condensing
Humidity	10% to 90%, non-condensing
Product Weight	To be measured
Power Supply	5V 2A DC
Transport Distance	100m
Product Dimension	145.2mm x 160mm x 25mm (L x W x H)
ESD Protection	Human-body Model: ±8kV(Air-gap discharge)/±4kV(Contact discharge)

Classic Application Example

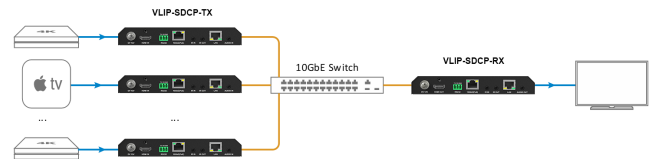
1. Point to point mode for residential and some direct connection application.



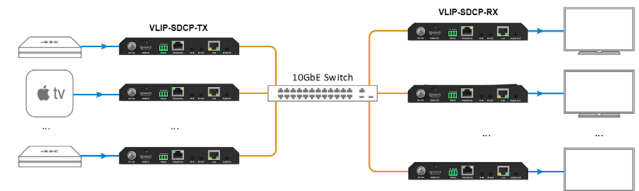
2. Point to multiple for commercial applications, for example, marketplaces and gymnasiums.



3. Multiple to point applications



4. Multiple to multiple for IP matrix switching


Applications

Medical equipment, AV broadcasting: such as conference rooms, retails, and Digital signage with interaction: such as shopping malls, hotels