SDV-C1H-TX

SDVoE Full 4K 10G AV over IP CAT-Based Small Form Factor Transmitter

The SDV-F1H-TX is designed for high-quality, IP routable, AV extension up to 4K@60 4:4:4 with minimum latency. The use of interchangeable, field replaceable, SFP+ modules allows for transmission distances of up to 120km (Maximum transmission distance depends on the SFP+ modules used). Advanced HDMI content such as HDR (High Dynamic Range), 10- bit color and multi-channel HD Bitstream audio can be transmitted in passthrough mode.

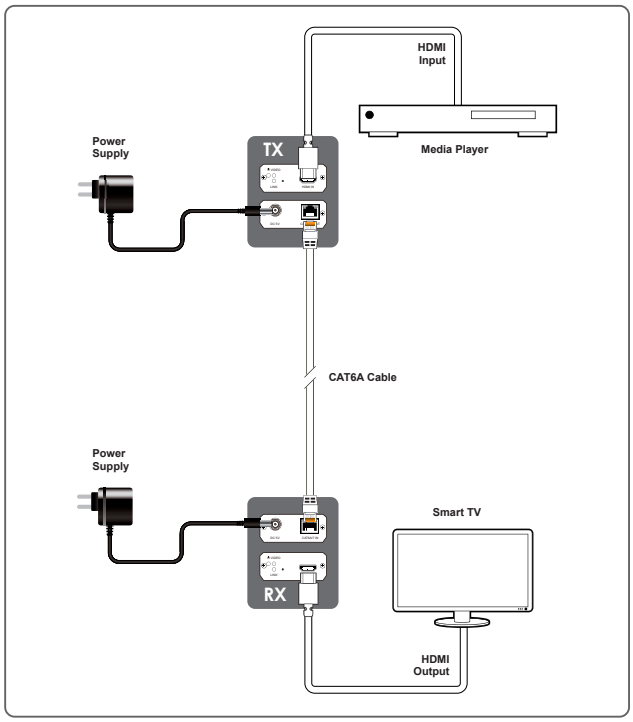
The small and compact size design enhances the flexibility of installation. When combined with the optional IP Master Controller, the SDV-CS8, the functionality of the transmitter expands exponentially. Multiple transmitters and receivers may be combined with one or more 10-Gigabit fiber Ethernet switches and the units can be used together to form a distributed video matrix, a multiviewer system, or a video wall system adding to their flexibility in large event installations. Advanced control such as firmware update can also be performed conveniently through the optional controller hardware.

PANELS

Front View

Rear View

DIAGRAM



FEATURES

- HDMI 2.0 and DVI 2.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- Signal transmission interfaces with 10-Gigabit Ethernet switches via XFI (IEEE 802.3ae) compatible SFP+ fiber modules
- 4K60 Extension up to 300m as standard
- 4K60 Extension up to 120km by replacing supplied SFP+ module(maximum distance depends on the SFP+ module and type of fiber used)
- IP switchable with minimum latency (requires optional control centre or control software)
- Ultra-light compression, lossless for most content
- Supports pass-through of 10/12-bit HDR sources (Point-to-Point and Bypass modes only)
- Supports pass-through of audio formats including LPCM (up to 8 channels), Bitstream and HD Bitstream from HDMI or DP sources
- Signal transmission interfaces with 10-Gigabit Ethernet switches via XFI (IEEE 802.3ae) compatible SFP+ fiber modules

SPECIFICATIONS

TX

Interfaces		
Input Port	1×HDMI (Type A)	
Output Port	1×10GbE LAN (RJ-45)	
Video		
HDMI Compliance	HDMI 2.0	
HDCP Compliance	2.2	
Input Signal Types	4096x2160p@60 12bit YUV4:4:4	
Output Signal Types	4096x2160p@60 12bit YUV4:4:4	
		Resolutions
Maximum Input	HDMI	4096x2160p@60 YUV4:4:4
Maximum Output	10G LAN(Streaming)	4096x2160p@60 YUV4:4:4
Audio		
HDMI	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream	
10GbE LAN	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream	
Power		
Power Supply	PoE (802.3af) or 5V/2.6A	
Power Consumption	6.58W	
Enclosure		
Chassis Material	Metal (Aluminum)	
Chassis Colour	Black	
Dimensions (W×H×D)	60mmx24.75mmx95mm [Case Only] 60mmx24.75mmx103mm [All Inclusive]	
Weight	178g	
Field Firmware Update		
IP Master Controller		

ORDERING INFORMATION

Model No.	Product Description
SDV-C1H-TX	SDVoE Full 4K 10G AV over IP CAT-Based Small Form Factor Transmitter
SDV-C1H-RX	SDVoE Full 4K 10G AV over IP CAT-Based Small Form Factor Receiver
SDV-CS8	SDVoE 10G AV over IP Master Controller and Configurator