



SDV-C2-RX

SDVoE Full 4K 10G AV over IP HDMI Receiver with USB



This Receiver is designed for high-quality, IP routable, AV extension with minimum latency. By using a sophisticated ultra-light compression scheme (lossless for most content) it's a great solution for extending 4K audio/video streams and data. The use of high quality 10 Gigabit Ethernet ports and Cat.6A or better cable allows for point-to-point transmission of the video signal up to 100m. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, USB 2.0, and Ethernet. When combined with the optional IP Master Controller or control software, the functionality of the Receiver expands exponentially. Multiple Transmitters and Receivers may be combined with one or more 10-Gigabit 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.

PANELS



FEATURES

- HDMI 2.0 and DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- 1 Cat.6A input
- 1 HDMI output
- 1 analogue stereo input & 1 analogue stereo output
- 2 USB 2.0 (Type-A) ports and 1 USB 2.0 (Mini-B) port
- IP routable with minimum latency (requires optional IP Master Controller or control software)
- Ultra-light compression, lossless for most content
- Extension up to 100m in Point-to-Point mode (with Cat.6A cable)
- Supports independent breakaway A/V matrix switching with minimum latency, video wall generation, and multi-view compositing (requires optional IP Master Controller/control software)
- 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
- Analogue stereo audio extension, insertion and extraction (insertion and extraction requires optional IP Master Controller/control software)
- Unit can be powered directly by PoE when connected to a 10 Gigabit Ethernet (10GbE) switch that provides PoE (802.3at)
- Basic configuration via front panel buttons with an OSD
- Supports the use of an external panel centre (IP Master Controller) or control software to provide expanded functionality (Contact your authorized dealer for more information)

SPECIFICATIONS

Interfaces

Input Port	1 10GbE LAN (RJ45)
Output Port	1 HDMI (Type A) 1 Analogue(3.5mm)
Control I/O	1 Ethernet (RJ-45) 1 IR Extender (3.5mm) 1 IR Blaster (3.5mm) 1 RS-232 (3-pin terminal block) 1 USB (Mini-B) 2 USB(Type A)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.2
Input Signal Types	4K@60 YUV 4:4:4
Output Signal Types	4K@60 YUV 4:4:4

Resolutions

Maximum Input	10G LAN (Streaming)	4096×2160p@60 YUV 4:4:4
Maximum Output	HDMI	4096×2160p@60 YUV 4:4:4

Audio

HDMI	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
DP	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
Line In	1 Vrms S/N Ratio: > 80dB (1kHz with OdBFS)
Line Out	1 Vrms S/N Ratio: > 80dB (1kHz with OdBFS)

Power

Power Supply	12V/3A DC (Locking)
Power Consumption	TBD

Enclosure

Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (W×H×D)	231.5mm×25mm×158mm [Case Only] 231.5mm×25mm×167mm [All Inclusive]
Weight	566g

Field Firmware Update

PC

ORDERING INFORMATION

Model No.	Product Description
SDV-C2-RX	SDVoE Full 4K 10G AV over IP HDMI Receiver with USB
SDV-C2-TX	SDVoE Full 4K 10G AV over IP Transmitter with USB
SDV-CTRX-BD	SDVoE Full 4K 10G AV over IP Bi-directional Transceiver with USB Extension
SDV-FTRX-U	SDVoE Full 4K 10G AV over IP Fiber based Transceiver with USB
SDV-CS8	SDVoE 10G AV over IP Master Controller and Configurator



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DIAGRAM

