



This unit supports both Unicast and Multicast modes, enabling video wall and seamless collaboration across multiple windows in Multicast mode. It supports the transmission of Ultra High-Definition signals (up to 4K@60Hz RGB) with audio and USB 2.0 up to 100m on a single cable which allows connection of USB flash drives, keyboard, and mouse. It also supports USB video and audio classes, allowing it to be detected by computers as a standard webcam device. The transmission distance can be further extended (up to 100m per segment) by using gigabit network switches, allowing the user to cascade the system without signal loss or introducing delay. Moreover, it supports IP to RS-232, converting the IP signal into RS-232 commands for device control.

When the extension system's units are in multicast mode, a single transmitter's AV signal can be sent to a large number of receivers within the same local network without the additional receivers causing the bandwidth requirements to increase. Additionally, that same multicast signal can be used to create large multi-display video walls with amazing simplicity. When combined with the optional IP Master Controller the functionality of the system expands exponentially. Its centralized web-based interface greatly simplifies control and management of large distributed video matrix or video wall systems adding to their flexibility in large home or commercial installations.

This system also features bi-directional RS-232 pass-through and analog line level in/out, providing the user with a variety of audio options. The USB functionality allows the system to act like a remote USB hub which, when combined with the USB-C input/HDMI output feature, provides a comprehensive USB over IP functionality platform. Configuration information is provided via On Screen Display (OSD) and control is by WebGUI, IP Master Controller, and Telnet.

PANELS



FEATURES

- 4K@60 1Gbps AV over IP transmitter in Unicast or Multicast mode
 - Supports comprehensive USB 2.0 over IP functionality (USB flash drive, camera, speaker, microphone, keyboard and mouse)
 - Supports seamless collaboration across multiple windows
 - Supports PoE-PD (IEEE 802.3af)
 - Support IP to RS-232, converting the IP signal into RS-232 commands for device control
 - Controlled via WebGUI, IP Master Controller, and Telnet
 - 1xUSB-C input, 1xHDMI loopback output
 - Supports the use of an external control system (IP Master Controller) to provide expanded functionality (Contact your authorized dealer for more information)
 - Supports independent breakaway A/V and control matrix routing
 - Supports extension of many audio formats including 8 channel LPCM and standard Bitstream
- Note: The Line Out only supports LPCM 2.0 sources.*
- The analog Line In is automatically embedded in the streaming output and can be independently routed to any receiver

SPECIFICATIONS

Interfaces

Input Ports	1xUSB 2.0 (Type-C) 1xStereo Audio (3.5mm)
Output Ports	1xHDMI (Type-A) 1xStereo Audio (3.5mm)
Output/Control Port	1xGbE LAN (RJ-45)
Pass-through Port	1xRS-232 (3-pin Terminal Block)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	HDCP2.2
Input Signal Type	4096x2160p@60 8bit RGB
Output Signal Type	4096x2160p@60 8bit RGB

Resolutions

Maximum Input	USB-C	4096x2160p@60
Maximum Output	LAN (Streaming)	4096x2160p@60

Audio

Digital Formats	USB-C	LPCM (8Channels), Bitstream, High Bit Rate Bitstream
Line Level	Line In/Out	LPCM (2 Channels)
	Line In	2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)
	Line Out	2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	PoE (802.3af) or 12V/1.25A
Power Consumption	5.5W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	128mm×25mm×108mm [Case Only] 128mm×25mm×116mm [All Inclusive]
Weight	420g

Field Firmware Update

WebGUI

ORDERING INFORMATION

Model No.	Product Description
AVIP-A4610E	4K60 HDMI AV over IP Transmitter
AVIP-A4610D	4K60 HDMI AV over IP Receiver
AVIP-A4612E	4K60 USB-C AV over IP Transmitter
AVIP-A4602E-U2	4K60 HDMI/USB-C AV over IP Wallplate Transmitter (US Faceplate)
AVIP-A4602E-K2	4K60 HDMI/USB-C AV over IP Wallplate Transmitter (UK Faceplate)
AVIP-A4602E-E2	4K60 HDMI/USB-C AV over IP Wallplate Transmitter (EU Faceplate)
AVIP-A4602E-B1C	4K60 HDMI/USB-C AV over IP Transmitter
AVIP-A4601E-B1C	4K60 HDMI over IP Transmitter
AVIP-A4601D-B1C	4K60 HDMI over IP Receiver with USB 2.0
CDPS-CS11	4K60 over 1G IP Master Control
ADP-0224AEG210C	Power Adapter

DIAGRAM

