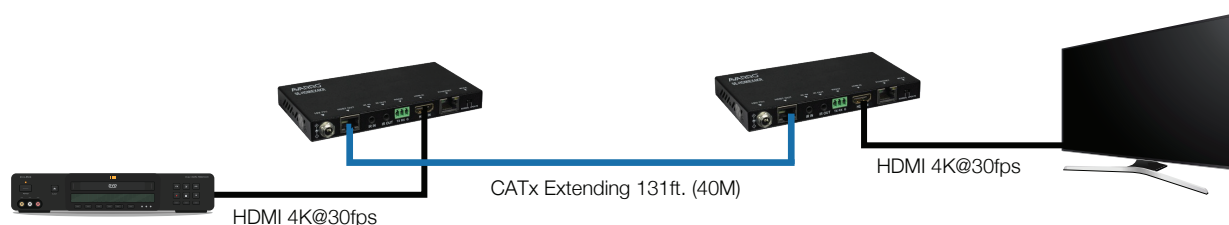AVARRO™

Extenders

Extenders are an indispensable component of any advanced AV (Audio-Visual) system, particularly when dealing with the challenge of transmitting high-bandwidth signals over long distances without degrading signal quality. These devices are specifically designed to extend the reach of various signal types, such as HDMI, Display Port, DVI, VGA, or even USB, far beyond the limitations of standard cables.

Sample Setup of an HDMI Extender

HDMI 4K@30fps

CATx Extending 131ft. (40M)

HDMI 4K@30fps

HDMI 4K@30fps

	0E-HDMIEX4KA	0E-HDMIEX4KR	0E-HDMIBEX4K	0E-HDMIEX4KL	0E-HDMIEX2K
What is the Max Resolution and Frame Rate of the Source you want to use? What is the Max Resolution and Frame Rate of the Display you want to use?	4K@ 60Hz - to - 4K@ 60Hz	4K@ 30Hz - to - 4K@ 30Hz	4K@ 60Hz - to - 4K@ 30Hz	4K@ 30Hz - to - 4K@ 30Hz	1080@ 60Hz - to - 4K@ 60Hz
How far apart are the source and display?	230ft 70M	328ft 100M	80ft 24M	80ft 24M	130ft 40M

0E-HDMIEX4KA
HDMI HDCP 2.2 Compliant with Bi-directional IR pass-through Extender over a single UTP with ARC capability
Maximum Data Rate: 18Gbps

0E-HDMIEX4KR
4K HDBaseT HDCP 2.2 Compliant HDMI Extender with Bi-directional PoC incl. IR and RS232 Pass-through
Maximum Data Rate: 10.2Gbps

0E-HDMIBEX4K
HDMI 4K HDCP 2.2 Compliant, UHD Video, HD Audio and IR Control Signal Extender with Bi-Directional PoC
Maximum Data Rate: 18Gbps

0E-HDMIEX4KL
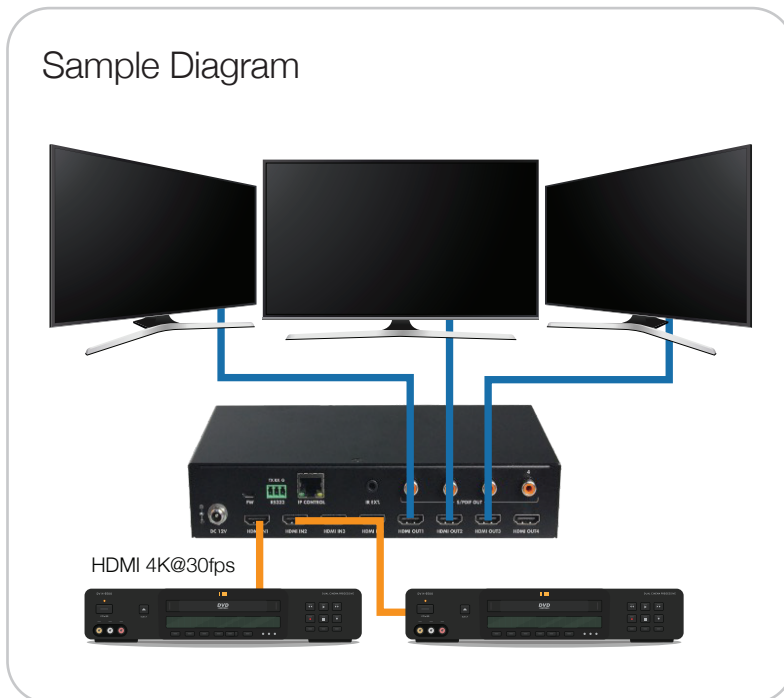4K HDCP 2.2 compliant Extender Set with Bi-directional PoC
Maximum Date Rate: 10.2Gbps

0E-HDMIEX2K
1080P Cost-Effective HDCP 1.4 Compliant HDMI Extender Set
Maximum Data Rate: 4.45Gbps

AVARRO™

Matrix/Switchers

A Matrix or Switcher is a sophisticated video routing device designed to handle multiple input signals from a variety of sources and direct them to one or more output display devices. These sources can include cameras, computers, DVD players, Blu-ray players, media servers and other digital or analog video sources. The key feature of a matrix switcher is its ability to independently route any input to any output, enabling flexible and dynamic control of video signal distribution.

Sample Diagram

HDMI 4K@30fps

	0E-HDMSW3X1	0E-HDMIMX2	0E-HDMIMX4
How many HDMI outputs do you want?	1	2	4
What is the Max Resolution and Frame Rate of the Source you want to use?	4K@30 4:4:4	4K@60 4:4:4	4K@60 4:4:4
What is the Max Resolution and Frame Rate of the Displays you want to use?	1080p@ 60Hz	4K@60 4:4:4	4K@60 4:4:4

0E-HDMISW3X1
HDMI Switcher 3
Inputs x 1 Output
HDCP 2.2 Compliant
Maximum Data Rate:
10.2Gbps

0E-HDMIMX2
HDMI Switcher
4 Inputs x 2 Ouputs
HDCP 2.2 Compliant
Maximum Data Rate:
18Gbps

0E-HDMIMX4
HDMI Switcher
4 Inputs x 4 Outputs
HDCP 2.2 Compliant
Maximum Data Rate:
18Gbps

All Models Support both HDR10 and Dolby Vision

AVARRO™

Splitters

An HDMI Splitter is a device that enables you to take a single HDMI video signal from one source, such as a camera, computer, DVD player, Blu-ray player or gaming console, and distribute it to multiple HDMI-compatible display devices simultaneously. This is particularly useful in scenarios where you need to display the same content on multiple screens, ensuring consistent viewing experiences across different locations.

Sample Diagram

HDMI 4K@30fps

	0E-HDMISPL2	0E-HDMISP2	0E-HDMISPL4	0E-HDMISP4
How Many Displays are you driving?	2	2	3	4
What is the Max Resolution and Frame Rate of the Sources you want to use?	4K@30	4K@60	4K@30	4K@60
What is the Max Resolution and Frame Rate of the Displays you want to use?	4K@30	4K@60	4K@60	4K@60
Do you want HDR?	No	No	Yes	No

0E-HDMISPL2
HDMI Splitter 2 Ports
HDCP 1.4 Compliant
Maximum Data Rate:
10.2Gbps

0E-HDMISP2
HDMI Splitter 2 Ports
with Scaler
HDCP 2.2 Compliant
Maximum Data Rate:
18Gbps

0E-HDMISPL4
HDMI Splitter 4 Ports
HDCP 2.2 Compliant
Maximum Data rate:
10.2Gbps

0E-HDMISP4
HDMI Splitter 4 Ports
with Scaler
HDCP 2.2 Compliant
Maximum Data Rate:
18Gbps

Accessories

HDMI Audio Extractor

AVARRO's HDMI audio extractor separates the audio from an HDMI signal, allowing you to send the audio to external speakers or a sound system while still displaying the video on a screen. It offers various audio outputs like analog and digital, making it compatible with different audio devices.

HDMI Converter Digital to Analog

AVARRO's digital S/PDIF to analog audio converter seamlessly converts multichannel digital audio to stereo analog audio. It features one optical and one coaxial digital S/PDIF input supporting up to PCM 5.1 channels with simultaneous analog outputs on both a 3.5mm headphone jack and L/R RCA connectors. This ensures versatile and reliable audio performance for various setups.

HDMI Extender with USB 2.0

Our HDMI extender with USB 2.0 enables you to extend a full HD HDMI signal up to 80M/260ft via a single Cat 5e/6 or better cable, while supporting USB 2.0 pass-through. Featuring a USB host connector on the transmitter and USB Device connectors on the receiver, it allows for remote PC control with a keyboard and mouse, interactive display operation, data transmission and USB streaming. This setup is perfect for remote control of a keyboard, mouse or touchscreen, providing seamless interaction with the source device from a distance while ensuring high-quality video and audio transmission.

USB Extender 2.0

This USB 2.0 extender set is a slim transmitter (TX) receiver (RX) pair that can extend the signal of a USB-HID device up to 80M/263ft and the signal of a USB 2.0 storage device up to 60M/197ft via a Cat 5e/6 cable. It supports data transfer rates up to 480Mbps per second, making it suitable for peripherals like printers, cameras and storage devices.

0E-HDMICONV2
HDMI Audio Extractor
HDCP 2.2 Compliant
Maximum Data Rate:
18Gbps

0E-HDMICONVA
HDMI Converter
Digital to Analog

0E-EXT4KKVM
HDMI Extender
with USB 2.0
HDCP 1.4 Compliant
Maximum Data Rate:
6.75Gbps

0E-USB2EXT
USB Extender 2.0
Maximum Data Rate:
USB 2.0 up to 480Mbps