

HDMI 1x4 Distribution Amplifier over CAT5e/6 Outputs and PoC 60M

The KanexPro HDMI amplifier offers an ideal, cost effective means for extending and distributing digital video, multichannel audio, and control signals using IR from HDMI equipped devices. Each receiver is specifically calibrated to work with the splitter as a full functional unit enabling full 4K resolution.

MPN: SP-HDPOC1X4

The KanexPro 1x4 Distribution Amplifier (SP-HDPOC1X4) is a 18Gbps HDMI 1x4 Splitter that can distribute a single HDMI source signal to any 4 display devices. Support video resolution up to 4K2K@50/60Hz 4:4:4. It is designed with 1 HDMI loop output and 4 CAT outputs. It can extend the signal transmission distance up to 35 meters at the resolution of 4K2K@60Hz, or 50 meters at 4K2K@30Hz, or 60 meters at 1080P@60Hz via a single CAT6/6a/7 cable. The product supports one-way IR control signal pass-through, audio extract function and advanced EDID management.

Industry Standard HDCP 2.2 & 4K/60Hz

HDCP 2.2 authentication is present always on this matrix ensuring proper handshake of the protected content. It also maintains resolutions up to 4K- 4096x2160@24, 30, 50 or 60Hz, 3840x2160@24, 25,30, 50 or 60Hz and 2560x1080@60Hz displaying 21:9 aspect ratios. 1920 x 1200 or full HD 1080p/60 is a standard for all our matrix switchers.

Applications:

Perfect for house of worship centers, retail stores and residential /smart home theater applications where one HDMI device can be distributed to four displays over a single network cable up to 164ft. without losing signal integrity.



PROFESSIONAL PERFORMANCE

Built to commercial standards, KanexPro products offer premium features like locking power connectors, metal enclosures, and passive cooling designs which are a must for long term reliable and stable installations.

- 1. Home Theater installations:** Share a video source with displays in various locations within single or multiple room installations.
- 2. Entertainment Spaces:** Share a single cable box or source amongst multiple displays in an outdoor patio, dining area, or entertainment hall.
- 3. Reduce Complexity:** An all-in-one splitter extender system reduces the complexity and the number of cables and components needed for a system with multiple displays.

FEATURES

- HDMI 2.0, HDCP 2.2 / 1.x and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@50/60Hz 4:4:4
- Support 3D, HDR, HDR10+, HLG and Dolby vision
- Support up to 7.1CH HD audio pass-through
- Support digital and analog audio de-embedded output
- Extend the signal transmission distance up to 35 meters at the resolution of 4K2K@60Hz, 50 meters at 4K2K@30Hz, 60 meters at 1080P@60Hz via a single CAT6/6a/7 cable
- Support 1 HDMI input, 1 HDMI loop output and 4 CAT outputs.
- Support one-way IR control signal pass-through
- Advanced EDID management
- Support one-way POC function (only from transmitter to receiver)
- Compact design for easy and flexible installation

SPECIFICATIONS

HDMI Compliance: HDMI 2.0

HDCP Compliance: HDCP 2.2/1.x

Video Bandwidth: 594MHz/18Gbps

Video Resolution: Up to 4k2k@50/60Hz 4:4:4

Color Depth: 8-bit,10-bit,12-bit(1080p@60Hz)

8-bit (4K2K@60Hz YUV4:4:4)

8-bit,10-bit,12-bit(4K2K@60Hz YCbCr 4:2:2/4:2:0)

Color Space: RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0

HDR Support: HDR10, HDR10+, HLG, Dolby vision

HDMI Audio Formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD Coaxial Audio Formats LPCM2.0, LPCM5.1, Dolby Digital2/5.1CH Analog Audio Formats PCM 2.0

ESD Protection:

Human body model:

+/- 8KV (Air-gap discharge)

+/- 4KV (Contact discharge)

Connectivity:

Outputs:

1 x HDMI Type A [19-pin female]

4 x CAT OUT [RJ45, 8-pin female]

1x Coaxial Audio OUT [RCA]

1x L/R Audio OUT [3.5mm Stereo Mini-jack]

Control:

1x SERVICE (Micro USB, Update port)

1x EDID DIAL switch [5-pin]

1x IR OUT [3.5mm Stereo Mini-jack]

Mechanical Specs

Housing: Metal Enclosure

Silkscreen Color: Black

Dimensions:

4 Ports Splitter Amplifier: 8.3" x 4" x 1"

(W 210mm x D 100mm x H 25mm)

Receiver: 3.5" x 2.4" x 0.7"

(W 88mm x D 61mm x H 18mm)

Weight Transmitter: 617g **Receiver:** 155g

APPLICATION DIAGRAM

