KanexPro®

HDMI Cable HDMI 2.0 4x4 Matrix Switcher with 4K to 1080p Down-scaling

The simple and cost-effective 4K based HDMI matrix designed with 4-inputs and 4-outputs. For swift switching and routing of any HDMI sources such as laptops, Blu-ray players, and 4K based Apple TV to any four displays.

MPN: SW-HDMX44DS

The KanexPro SW-HDMX44DS is an HDMI 2.0 compliant 4 input and 4 output HDMI matrixing switcher. The matrix supports a mix of both 4K and 1080p displays to be connected and operated at the same time. The built-in 4K -> 1080p down-scaler will automatically downscale a 4K HDMI video signal to 1080p to ensure compatibility and the best possible picture on all connected displays. It supports resolutions up to 4K@60Hz 4:4:4, HDR10, Dolby Vision. It can be controlled via front panel buttons, IR remote and RS232 commands.

Industry Standard HDCP 2.2 & 4K/60

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.

Applications:

This HDMI Matrixes can connect multiple sources to multiple displays. The SW-HDMX44DS features a specialized down-scaling function that allows for mixed resolution displays to show content at the best supported resolutions. This allows for 4K displays to display 4K resolutions and 1080p displays to show 1080p resolution at the same time from the same source. Ideal solution for home theater, office, school, conference room, retail, or hospitality applications.

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 four video sources with a TV in the living room and another TV outside or in another room.
2. **Conference Room Environments:** Switch between users and screens in a conference room while utilizing multiple displays.
3. **Reduce Complexity:** A matrix is a combined switcher and splitter reducing the complexity and the number of cables and components needed for a system with multiple displays and sources.

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4, HDR10, Dolby Vision, including 1080p 3D.
- Fully compliant with HDMI V2.0 and HDCP 2.2 specifications.
- Supports 4K to1080p down-scaling for each independent output to compatibility with the legacy 1080p displays.
- Smart EDID management.
- Supports front panel buttons, IR remote and RS232 control.

SPECIFICATIONS

Video Input

Input	(4) HDMI
Input Connector	(4) female type A HDMI
HDMI Version	2.0
HDCP Version	2.2
Video Output	(4) HDMI
Output	HDMI
Output Connector	(4) female type A HDMI
HDMI Version	2.0
HDCP Version	2.2
Control	
Control Port	(1) RS232, (1) IR EYE
Control Connector	(1) 3-pin terminal block, (1) 3.5mm jack
General	
Maximum Video Resolution	Up to 4K@60Hz 4:4:4, HDR10, Dolby Vision, including 1080p 3D.
Maximum Bandwidth	18Gbps
HDMI Audio	Supports PCM, Dolby Digital and DTS.
Control Options	Front Panel, IR Remote, RS232
Input Power	12V DC 2A
AC Adapter Input Power	100 to 240 V AC, 50/60 Hz
Maximum Power Consumption	12 watts
Operation Temperature	-5 to +55℃ (+23° to +131°F)
Storage Temperature	-25 to +70℃ (-13° to +158°F)
Relative Humidity	10% to 90%, Non-condensing
Dimension (W*H*D)	244mm x25.5mm x 100mm, 269mm x25.5mm x 100mm (with Mounting Ears)
Net Weight	640g

Blu-Ray Player

Game Console

Projector

4K T.V.

Laptop

IR Receiver

Remote