

4 X 1 Multi-Viewer seamless switcher

HDMI 4x1 Quad Multi-View Seamless Switcher 4K@60

MPN: VW-MVIEW4X1

The KanexPro VW-MVIEW4X1 is designed to handle high-resolution video integration and display. Capable of supporting output resolutions up to 4K@60Hz 4:4:4, this device allows users to combine up to four video sources onto a single display. It offers flexible management of video inputs, enabling the creation of customized display layouts and adjustments of input positions on the screen. This device can be controlled via Front Panel Buttons, IR Remote, OSD menu navigation, Control Software, 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 4K4096x2160@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:

- Broadcast Studios
- Control Rooms
- Corporate Environments
- Educational Settings
- Entertainment & Event Production.
- Home Theatre System
- Medical & Healthcare



Key Benefits of Using an 4x1 Multiviewer Seamless UHD Video Switcher:

Multiviewer Capability: Allows up to four different video inputs to be displayed on a single screen simultaneously. This is ideal for monitoring, live production, or surveillance, where users need to view multiple feeds at once.

Professional-Grade Performance: The ability to switch smoothly between inputs is essential for professional video production, ensuring a polished and error-free experience.

Real-Time Performance: Designed with low latency, making it ideal for situations where real-time monitoring is crucial, such as live sports broadcasting, surveillance, or command centers. Video feeds are displayed without noticeable delays, ensuring accuracy in live viewing scenarios.

Compact Design: 4x1 multiviewer switchers have a compact, rack-mountable design, saving space in control rooms, production studios, or AV setups.

Cost-Effective: By consolidating multiple video sources onto a single screen, the switcher eliminates the need for multiple displays, reducing both hardware costs and space requirements.

FEATURES

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Support 18Gbps video bandwidth
- Input and output resolutions support up to 4K@60Hz,4:4:4
- Support LPCM, AC3, DD+, DTS, DTS-HD, up to 7.1 audio channel
- Seamless switching between input channels and combined multiple images on single UHD monitor
- Up to 8 display modes selection: SINGLE, PIP, PBP, Triple, Quad
- Seamless switching in single screen display mode
- Fast switching in multiview display mode
- Audio de-embedding via analogue and S/PDIF audio ports
- Support volume control and independent audio selection
- Support OSD navigation for advanced setting
- EDID management
- Control via front panel buttons, IR remote, OSD menu navigation,
- Controller software, RS-232 commands
- Compact design for easy and flexible installation

SPECIFICATIONS

TECHNICAL

HDMI Compliance
HDCP Compliance
HDCP 2.2 / 1.x

Video Bandwidth
18Gbps
Video Resolution
Up to 4K@60Hz

IR Level
IR Frequency
38KHz

Color Space RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0

Color Depth 8bit

Audio Formats

HDMI: PCM2.0/5.1/7.1CH, Dolby Digital/Plus, DTS, DTS High Res Analog audio [3.5mm L/R]:

PCM2.0 SPDIF (OPTICAL): Dolby Digital, DTS 5.1, PCM2.0 Note: It does not support HBR audio.

ESD Protection

Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input ports 4 x HDMI IN [Type A, 19-pin female]

Output ports

1 x HDMI OUT [Type A, 19-pin female] 1 x L/R OUTPUT [RCA] 1 x OPTICAL OUTPUT [S/PDIF]

Control ports

1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini jack]

Mechanical

Housing Metal Enclosure

Color

Dimensions 220mm [W] x 100mm [D] x 30mm [H]

Weight 620g

Power Supply Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)

Power Consumption 10W (Max)

Operating Temperature 32 − 104°F / 0 − 40°C

Storage Temperature −4 − 140°F / −20 − 60°C

Relative Humidity 20 − 90% RH (no-condensing)

