5x2 HDMI 2.0 Seamless Presentation Switcher with KVM/Dual HDMI output

The 5x Inputs and 2x Outputs seamless multiview video switcher with USB-KVM control was developed for multiple sources displayed on a single screen. It supports high input and output resolutions (up to 3840 x2160@60Hz). The switcher can combine up to four video signals onto a single UHD or HD displayer. The switcher supports 4x USB-Type B inputs, which are connected to the PC, and 2x USB-Type A outputs, which are connected to the Mouse and Keyboard. Users can easily manage the switcher via the front panel buttons, IR remote, RS-232, or TCP/IP commands. The HDMI B mirror output port can be used for audio amplifier, video capture (with HDMI to USB dongle), or remote display (with HDBaseT Extender). This multi-functional product can be widely applied in various fields, such as Home Theatre, Video Conference, Security Monitoring, Presentation and Broadcasting, Teaching Systems, Financial Stock Analysis, Game E-Sports, and Medical Display.

Feature Highlights

- HDMI 2.0b, HDCP 2.2 and HDCP 1.4 compliant
- Up to 4K2K@60Hz with 24-bit RGB/YCbCr 4:4:4
- Multiple output resolutions from 720p to 4K60
- 4x HDMI, 1x USB-C (AV only) inputs and 2x HDMI mirror outputs
- Up to 5 display modes: SINGLE, PIP, PBP, 3xWIN, 4xWIN
- Seamless switching on single display mode
- Fast switching on multiview display mode
- 4x USB KVM switcher with 2 USB devices for Mouse/Keyboard
- Supports USB Roaming, hot-key to switch input
- Supports volume control and independent audio selection
- Supports LPCM, AC3, DD+, DTS, DTS-HD, up to 7.1 audio channel
- Supports OSD navigation for advanced setting
- EDID management

TECHNICAL

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.4
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz with 24-bit RGB/YCBCR 4:4:4
Audio Formats	LPCM, AC3, DD+, DTS, DTS-HD Up to 7.1 channel
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

CONNECTION

Input ports	4 x HDMI IN [Type A, 19-pin female] 1 x USB-C 4 x USB-B (Host)
Output ports	2 x HDMI OUT [Type A, 19-pin female] 2 x USB-A (Device) 1 x L/R AUDIO OUT [3.5mm Jack] 1 x Toslink digital audio
Control ports	1 x RS232 [4-pin phoenix connector] 1 x LAN [RJ45 connector] 1 x SERVICE [USB-A]

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	219mm [W] x 146mm [D] x 44mm [H]
Weight	1.2kg
Power Supply	DC 12V/3A
Power Consumption	15W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	10 - 70% RH (no-condensing)

Classic Application Example