4K 18Gbps HDMI Switch with IR & RS232 Control, 4-Port
VIDMUX®

Share one 4Kx2K 60Hz 4:4:4 HDMI monitor among four Ultra-HD HDMI video sources

- Supports resolutions up to Ultra-HD 4Kx2K (3840x2160 and 4096x2160 @24/30/60Hz YUV 4:4:4).
- Eliminates redundant video displays.
- Control the switch via the front panel interface, infrared remote (IR) control or RS232.
- HDMI features supported:
  - HDMI 2.0
  - Up to 48-Bit Deep Color
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
  - LPCM, Dolby, DTS
  - Bandwidth up to 600 Mhz (18Gbps).
  - Support for CEC (consumer electronic control) compatible devices.
  - HDR support.
  - 3D
- HDCP 2.2 and 1.4 compliant.
- Features Auto Scan and Auto Jump switching functions.
  - Auto scan – when the selected video input is inactive for over 0.5 seconds, the switch will automatically display the video from the next active input.
    - When using the previous/next buttons/commands with the IR remote control or RS232, the switch will skip over the inactive inputs.
  - Auto jump – automatically switches to the video signal of a newly connected video input.
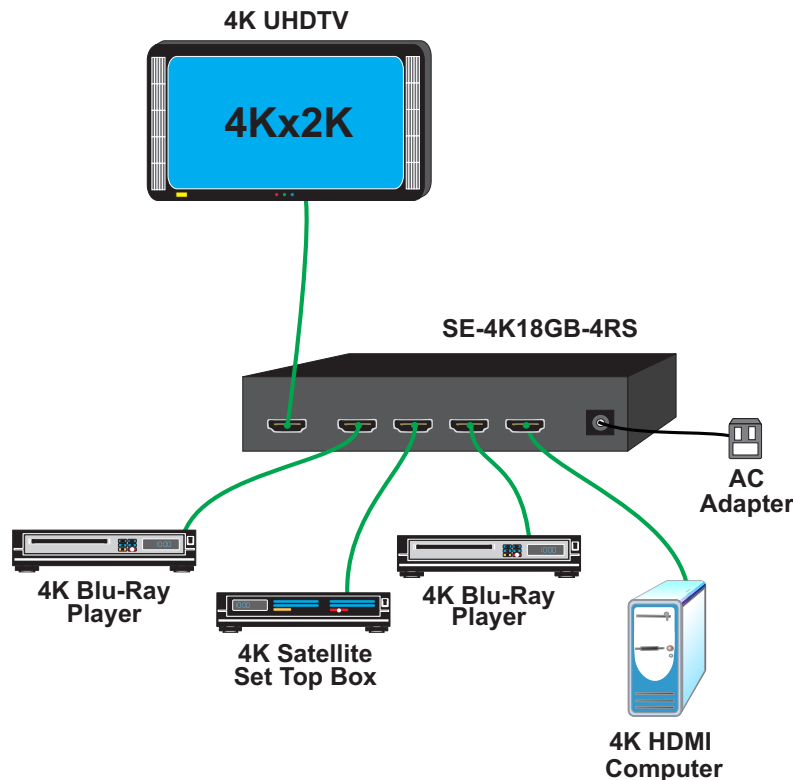

VIDMUX® SE-4K18GB-4RS (Front & Back)

- **Resolutions to Ultra-HD 4Kx2K 60Hz 4:4:4**
- **18Gbps bandwidth**
- **HDMI 2.0, HDCP 2.2**
- **IR, RS232 control**

The VIDMUX® 4K 18Gbps HDMI Switch routes digital Ultra-HD 4Kx2K 60Hz 4:4:4 video and audio from up to four HDMI sources to one HDMI display.

Configuration and Cable Illustration

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Share one 4Kx2K 60Hz 4:4:4 HDMI monitor among four Ultra-HD HDMI video sources

Specifications

Video Input

- Four female HDMI connectors.
- Compatible with computers and UHD video sources (satellite receivers, Blu-Ray players, etc) with HDMI video.
- Supports HDCP 2.2/1.4
- Multiplatform support: Windows 2000/XP/Vista/7/8/10, Windows Server 2000/2003/2008/2012/2016, Solaris, Linux, FreeBSD, and MAC OS 9/10.

Video Output

- One female HDMI connector.
- Supports resolutions up to Ultra-HD 4Kx2K (3840x2160 and 4096x2160 @24/30/60Hz YUV 4:4:4).
- Supports HDCP 2.2/1.4
- Max data rate: 18Gbps

Power

- Input: 100 to 240 VAC at 50 or 60 Hz via AC Adapter.
- Output: 5VDC, 1A

Dimensions

- WxDxH (in): 9.96x5.63x1.58 (253x143x40 mm).

Regulatory Approvals

- CE, RoHS
- TAA compliant

Warranty

- Two years

Cables

- Interface cables between the video sources/displays and the switch are required for proper operation.
  - Supports cable lengths to 20 feet for 4Kx2K resolutions at 60Hz and lengths to 50 feet for 1080p at 60Hz using passive HDMI cables.
    - Cables longer than 50 feet can be used provided they have a built-in video equalizer (also known as "active HDMI cables").
- Use HD-xx-MM HDMI cables to connect an HDMI source or display.
  - HD-3/6/10/15-MM supports resolutions to 4K@60Hz.
  - HD-25/30/50-MM supports resolutions to 1080p@60Hz.
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect an HDMI source or display up to 100 feet.
  - HD-ACT-20/25/30/40/50/60-MM supports resolutions to 4K@60Hz (18 Gbps).
  - HD-ACT-75/100-MM supports resolutions to 4K@30Hz (10.2 Gbps).
- Use DVI-HD-xx-MM cable to connect a DVI source or display (not included).
  - Does not support 4Kx2K resolutions.
- Cables not included.

Environmental

- Operating temperature: 32 to 131°F (0 to 55°C).
- Storage temperature: -4 to 185°F (-20 to 85°C).
- Operating/storage relative humidity: 0 to 95% non-condensing RH.

MTBF

- 43,800 hours

Control Methods

Front Panel Interface

- Standard control method.
- LEDs indicate currently selected port and mode of operation.
  - LED brightness is adjustable.
- Configuration and control can be done using the front panel buttons.

RS232 Control Option

- Standard control method.
- Configuration and control can be done through the serial port.
  - Female DB9 serial connector.
- Baud rate fixed at 9600.

IR Remote Control

- Standard control method.
- Configuration and control can be done using the included IR remote control.