# Low-Cost 4K 18Gbps HDMI Video Matrix Switch: 8x8 **VEEMUX®**

## Route Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI video and audio signals from many video sources to multiple displays.

- Configure and control the switch through front panel buttons. Ethernet, IR remote control, or RS232.
- Supports Ultra-HD 4Kx2K resolutions (4096x2160 and 3840x2160 @24/30/60Hz YUV 4:4:4) and HDTV resolutions to 1080p.
- Each input can be independently connected to any or all outputs.
- HDCP 2.2 compliant.
- HDMI features supported:
  - HDMI 2.0
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, DTS 7.1 . and LPCM
  - YUV 4:4:4
  - HDR
  - 3D
  - Bandwidth up to 600 Mhz (18 Gbps) .
  - Lip Sync
- Switch audio independently of video from connected HDMI sources (e.g. source 1 and source 2 video are active while only source 3 audio is active).
  - HDMI-embedded audio switching (four-channel stereo mixing)
  - SPDIF digital audio out ports for each source.
  - Configurable built-in EDID table
- Compact 1RU design
  - · Mounting kit included



#### SM-8X8-4K18GB-LC (Front & Back)

The VEEMUX® Low-Cost 4K HDMI Matrix Switch routes digital 4Kx2K HDMI video and audio signals from up to eight HDMI video sources (computers, Blu-Ray players, satellite receivers, etc) to up to eight displays (monitors, 4K TV's, projectors, etc).

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

#### **Specifications**

#### Inputs

- Female HDMI input connectors
- Compatible with computers and UHD video sources (satellite receivers, Blu-Ray players, etc) with HDMI video.
- Supports HDCP 2.2/1.4

#### **Outputs**

- Female HDMI output connectors
- RCA jacks for SPDIF digital audio.
- HDMI-embedded audio switching (four-channel stereo mixing).
- Supported resolutions
  - 4Kx2K (4096x2160 and 3840x2160) @24Hz/30Hz/60Hz YUV 4:4:4
  - 480p @60Hz, 576p@50Hz, 720p@60Hz, 1080p @24/50/60Hz
- Supports HDCP 2.2/1.4
- Video bandwidth: 600MHz (18 Gbps)

#### **Power**

- Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter (AC adapter included.)
- Output: 12VDC, 3.0A
- Power consumption: 19W

#### Environmental

- Operating temperature: -4 to 140°F (-20 to 60°C).
- Storage temperature: -40 to 158°F (-40 to 70°C.)

#### **Dimensions**

WxDxH (in): 17.32x8.66x1.75 (440x220x44 mm).

#### 

Cables

- Use HD-xx-MM HDMI cables to connect an HDMI source or display. Supports cable lengths to 50 feet for 4Kx2K resolutions at 60Hz •
- Cables not included.

#### **Regulatory Approvals**

CE, FCC, RoHS

#### Warranty

Two years

#### Package Includes

- One 4K HDMI Video Matrix Switch
- One power adapter
- One IR remote
- One IR extension cable
- Mounting kit

#### **Compatible NTI Products**

- Combine NTI's extenders, switches, splitters and cables for complex applications
  - 4K HDMI Extender via One CATx (ST-C64K-300)
  - Each output on the switch must be set to 3840x2160 @ 30Hz.
  - Video Wall Processor (SPLITMUX-4X4-HDVWC)



1.800.RGB.TECH (800.742.8324) Toll Free: US & Canada

330.562.7070 International calls

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### **Control Methods**

#### **Front Panel Interface**

- Standard control method
- Configuration and control can be done using the front panel buttons.
- Keypad allows selection of the input source to be routed to the desired outputs.

#### **Ethernet Control**

- Standard control method.
- Configuration can be done over the Internet via Web server.
- Female RJ45 connector.
- 10/100 BaseT Ethernet interface.

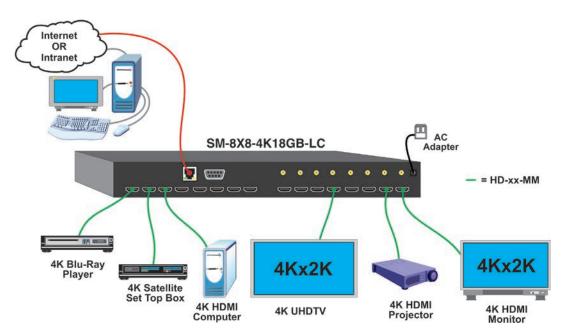
## RS232 Control

- Standard control method
- Configuration and control can be done through the serial port.
- Female DB9 connector.
- Control the switch using the Control Program with Graphical User Interface (GUI control) via RS232. (Control software included.)

#### **Infrared Remote Control**

- Standard control method
- IR control of matrix switch:
  - The matrix switch can be controlled locally with the included IR remote using the built-in IR receiver on the switch.
  - Extend IR control up to 3.9 feet (1.2 meters) with IR extension cable (included).
    - One female 3.5mm port for IR extension.

#### **Configuration and Cable Illustration**





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