

# VS0801H

8-Port HDMI Video/Audio Switch with IR Remote and RS-232



With more and more HDMI devices entering the Home Theater market, the need for simultaneous access to different HDMI A/V sources is becoming increasingly important. Now, the VS0801H 8-port HDMI Switch offers an easy and affordable way to add HDMI capabilities to your home theater system by allowing you to switch easily between up to eight HDMI A/V sources (such as an HD camcorder or satellite box, HD-DVD player, hi-def Blu-ray player, home theater PC, stand-alone streaming media player, gaming console, etc.) that are connected to your HDMI display.

The remote control and convenient front panel pushbuttons allow you to quickly and easily toggle between HDMI sources, while the front panel LEDs indicate the source device at a glance. Furthermore, for complete system and install integration, RS-232 control is standard through the VS0801H's built-in bi-directional RS-232 serial remote port that allows the switch to be controlled through a high-end controller, PC, and/or home automation/home theater software package.



### Features

- Allows up to eight HDMI sources to be connected to one HDMI display
- Quick and easy switching between HDMI sources via front panel pushbuttons or IR remote control
- Built-in bi-directional RS-232 serial port for high-end system control
- Supports Dolby True HD and DTS HD Master Audio
- Up to 60 Hz refresh rate
- Long-distance transmission - up to 50 feet (15 m) (24 AWG)
- Superior video quality - HDTV resolutions of 480p, 720p, 1080i, 1080p (1920x1080); VGA, SVGA, SXGA, UXGA, and WUXGA (1920x1200)
- Supports 12-bit Deep Color for HDMI formats
- Plug-and-play - no software installation required
- DDC compatible
- Supports 3D Video
- HDMI 1.3b / 1.4 (3D) Compatible
- HDCP 1.4 compliant
- HDMI CEC compliant
- Signaling rates up to 2.25 Gbps in support of 1080p display
- All-metal casing
- Power On Detection - if one of the HDMI source devices is powered off, the VS0801H will automatically switch to the next powered on device
- Easy and affordable way to add eight HDMI inputs to your home theater system
- Rack Mountable

### Specification

Video Input

|                        |  |
|------------------------|--|
| Interfaces             | 8 x HDMI Type A Female (Black)   |
| Impedance              | 100 Ω  |
| Max. Distance          | 3m @1920X1080@60 (4:4:4)   |
| Video Output           |  |
| Interfaces             | 1 x HDMI Type A Female (Black)   |
| Impedance              | 100 Ω  |
| Max. Distance          | 15m @1920X1080@60 (4:4:4)  |
| Video                  |  |
| Max. Data Rate         | 6.75 Gbps (2.25 Gbps Per Lane)   |
| Max. Pixel Clock       | 225 MHz  |
| Compliance             | HDMI (3D, Deep Color)<br>HDCP Compatible<br>Consumer Electronics Control (CEC)   |
| Max. Resolution        | Up to 1080p  |
| Audio                  |  |
| Input                  | 8 x HDMI Type A Female (Black)   |
| Output                 | 1 x HDMI Type A Female (Black)   |
| Control                |  |
| RS-232                 | Connector: 1 x DB-9 Female (Black)<br>Baud Rate and Protocol:<br>Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No |
| Connectors             |  |
| Power                  | 1 x DC Jack  |
| Power Consumption      | DC5.3V:4.37W:20BTU   |
| Environmental          |  |
| Operating Temperature  | 0 - 50°C   |
| Storage Temperature    | -20 - 60°C   |
| Humidity               | 0 - 80% RH, Non-Condensing   |
| Physical Properties    |  |
| Housing                | Metal  |
| Weight                 | 1.75 kg ( 3.85 lb )  |
| Dimensions (L x W x H) | 43.70 x 15.98 x 4.40 cm<br>(17.2 x 6.29 x 1.73 in.)  |

|            |   |
|------------|---|
| Carton Lot | 3 pcs   |
| Note       | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. |

Diagram

