

## VS381B

3-Port True 4K HDMI Switch



# 3-Port True 4K HDMI Switch



**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

3D, Deep Color, 4K60



Superior Video Quality



HDR10+, HDR10, HLG, Dolby Digital



Digital Content Protection



7.1 LPCM, Dolby True HD & DTS-HD Master Audio



**Conveniently switch among 3 inputs**

Effortlessly connect up to 3 HDMI input devices and switch between them seamlessly, eliminating the need for constant cable plugging and unplugging. Save time and enjoy a hassle-free experience.

**True 4K long-distance transmission**

The VS381B HDMI switch supports input and output resolutions of 3840 x 2160@60Hz (4:4:4) / 4096 x 2160@60Hz (4:4:4) up to 5 meters\*, ensuring excellent image and sound quality even at longer distances.

\*Tested with ATEN HDMI Cable [2L-7D05H-1](#)



## Contact Us

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### Intuitive switching options

The VS381B HDMI switch provides multiple options for switching between sources, including via pushbutton, IR remote control, and Auto Switch\*, allowing you to effortlessly customize your viewing experience and enjoy uninterrupted entertainment.

\*Auto switch: Automatically detects devices and switches to a new source when connected, or to the next available source when the current display source is disconnected.





ATEN HDMI Cable Lock:  
**LockPro™**

**Robust and durable design**

Experience the robustness and superior performance of the VS381B HDMI switch, boasting a premium aluminum housing and a lockable HDMI design. Secure signal connections guarantee a smooth, uninterrupted viewing experience that you can rely on.

\*Note: ATEN LockPro™ ([2X-EA12](#)) is available separately.

## Talk to Our Experts

If you prefer to have ATEN contact you, please complete the form and a representative will be in touch with you shortly

- Country \*
▼




- Customer Type \*
▼



**Features**

The VS381B 3-Port True 4K HDMI Switch with Auto Switching provides users to switch 3 HDMI input sources to an HDMI display. It supports video resolutions up to True 4K (4096 x 2160 @ 60Hz 4:4:4), data rates up to 18 Gbps, HDR, 3D, Deep Color, and HD lossless audio formats. Furthermore, the VS381B offers switching methods between HDMI sources by front panel pushbuttons and IR remote control, enabling users to effortlessly select desired input.

VS381B is a practical solution for auditorium, home theater, meeting rooms, trade shows, shopping centers, and more.

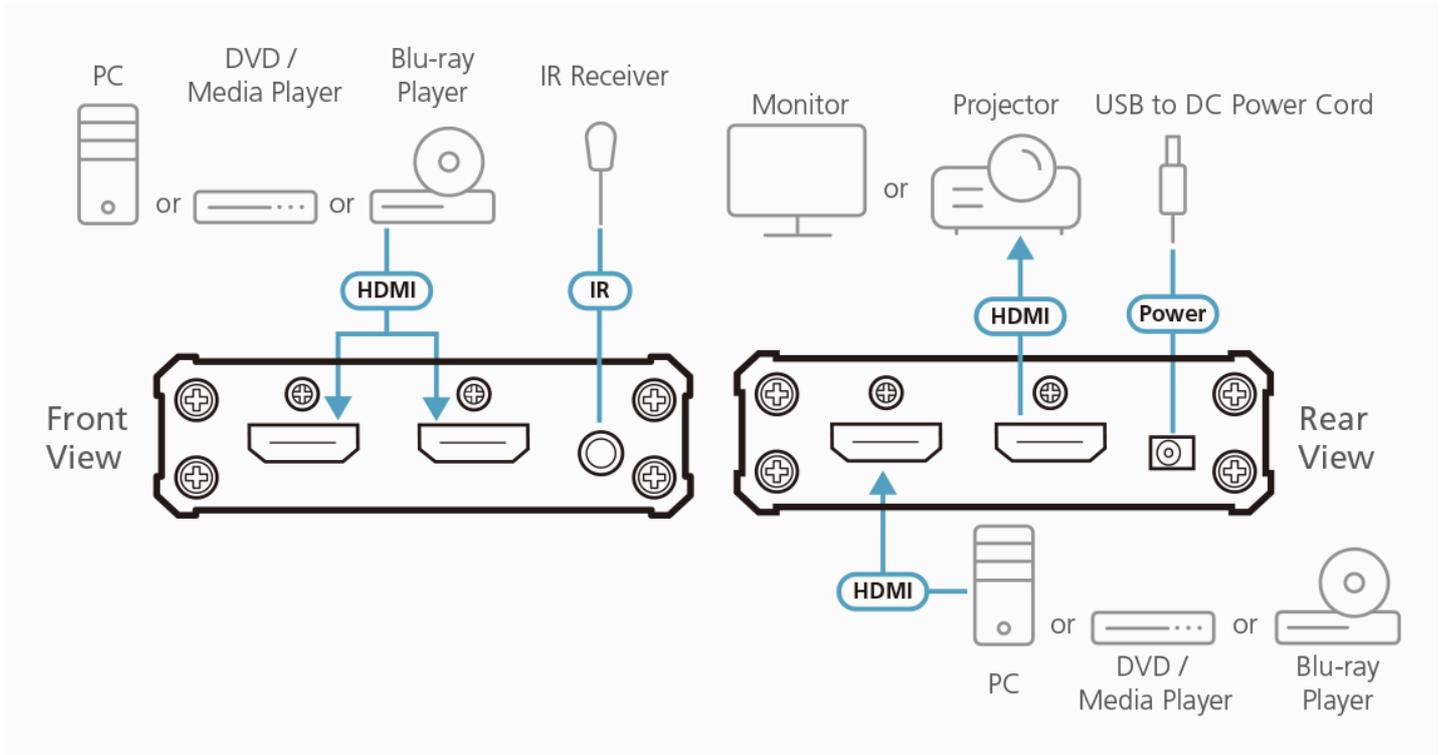
- Allows up to 3 HDMI input sources to be transmitted to 1 HDMI output display
- Superior video quality – True 4K resolution of 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) up to 5m; HDR supported
- HDMI (3D, Deep Color, 4K, HDR10+, Dolby Vision, HLG)
- HDCP 2.2 compliant
- Auto switching mode for auto port selection
- Switching between HDMI input sources via front panel pushbuttons and IR remote control
- Supports IR extension
- Supports 7.1 channel audio output
- Clear LED indication of device status
- Plug-and-play – no software installation required

**Specifications**

|       |                       |
|-------|-----------------------|
| LEDs  |                       |
| Input | 3 x HDMI-In (Green)   |
| Power | 1 x Power LED (Green) |

|                        |   |
|------------------------|---|
| Pushbuttons            |   |
| Select                 | 1 x push button (input selection)   |
| Audio                  |   |
| Input                  | 3 x HDMI Type A Female (Black)  |
| Output                 | 1 x HDMI Type A Female (Black)  |
| Video Input            |   |
| Interfaces             | 3 x HDMI Type A Female (Black)  |
| Impedance              | 100 $\Omega$  |
| Max. Distance          | Max 5m @ Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)   |
| Video Output           |   |
| Interfaces             | 1 x HDMI Type A Female (Black)  |
| Impedance              | 100 $\Omega$  |
| Max. Distance          | Max 5m @ Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)   |
| Video                  |   |
| Max. Data Rate         | 18 Gbps (6 Gbps Per Lane)   |
| Max. Pixel Clock       | 600 MHz   |
| Compliance             | HDMI 2.0 (3D, Deep Color, 4K, HDR10, Dolby Vision)<br>HDCP 2.2  |
| Max. Resolution        | 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)  |
| Control                |   |
| IR                     | 1 x Mini Stereo Jack Female (Black) / Max distance@ 5m  |
| Connectors             |   |
| Power                  | 1 x DC Jack<br>Note: ATEN strongly recommend to use the USB via USB to DC cable (supplied) and a 5V/0.5A power adapter (self-supplied) as the main power source for the unit. The power supply from the HDMI connection may be insufficient for the unit to operate fully.                                |
| Power Consumption      | DC5V:1.46W:6BTU/h<br><br>Note:<br><ul style="list-style-type: none"> <li>• The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>• The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul> |
| Environmental          |   |
| Operating Temperature  | 0-40 °C   |
| Storage Temperature    | -20 - 60 °C   |
| Humidity               | 0 - 80% RH, Non-Condensing  |
| Physical Properties    |   |
| Housing                | Metal   |
| Weight                 | 0.15 kg ( 0.33 lb )   |
| Dimensions (L x W x H) | 7.16 x 7.90 x 2.55 cm<br>(2.82 x 3.11 x 1 in.)  |
| Carton Lot             | 20 pcs  |
| Note                   | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.   |

Diagram



**ATEN International Co., Ltd.**

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