

VS381B

3-Port True 4K HDMI Switch



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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](#)



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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.





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

First Name *

Last Name *

- Country *

Company *

Email *

Phone Number

- Customer Type *

Job Title *



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.

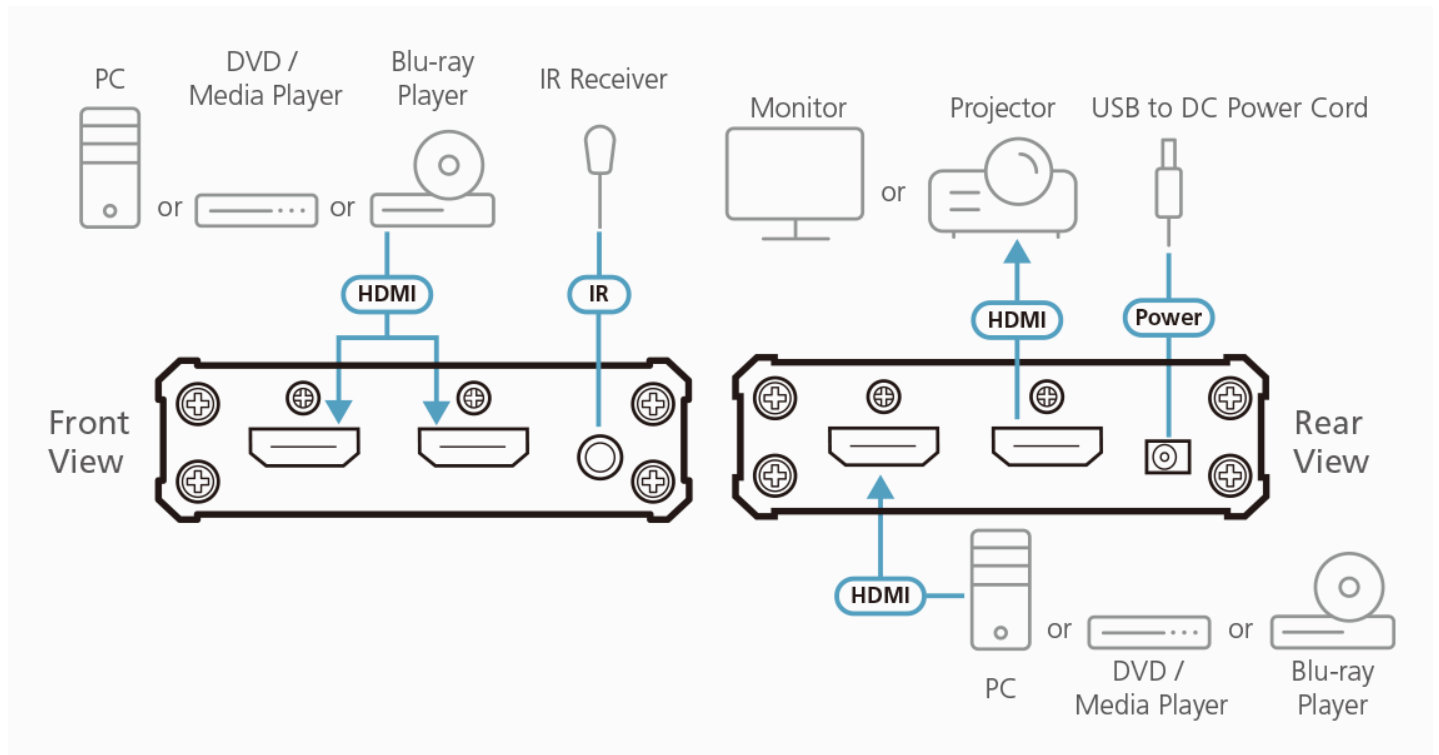
- Allows up to 3 HDMI input sources to be transmitted to 1 HDMI output display
- Superior video quality – True 4K resolution of 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) up to 5m; HDR supported
- HDMI (3D, Deep Color, 4K, HDR10+, Dolby Vision, HLG)
- HDCP 2.2 compliant
- Auto switching mode for auto port 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

Specification

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 Ω
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 Ω
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) 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 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 Note: <ul style="list-style-type: none"> ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
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 (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


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