



Simply Better Connections

## VS481C

4-Port True 4K HDMI Switch



## Simplified Switching of 4 True 4K Sources



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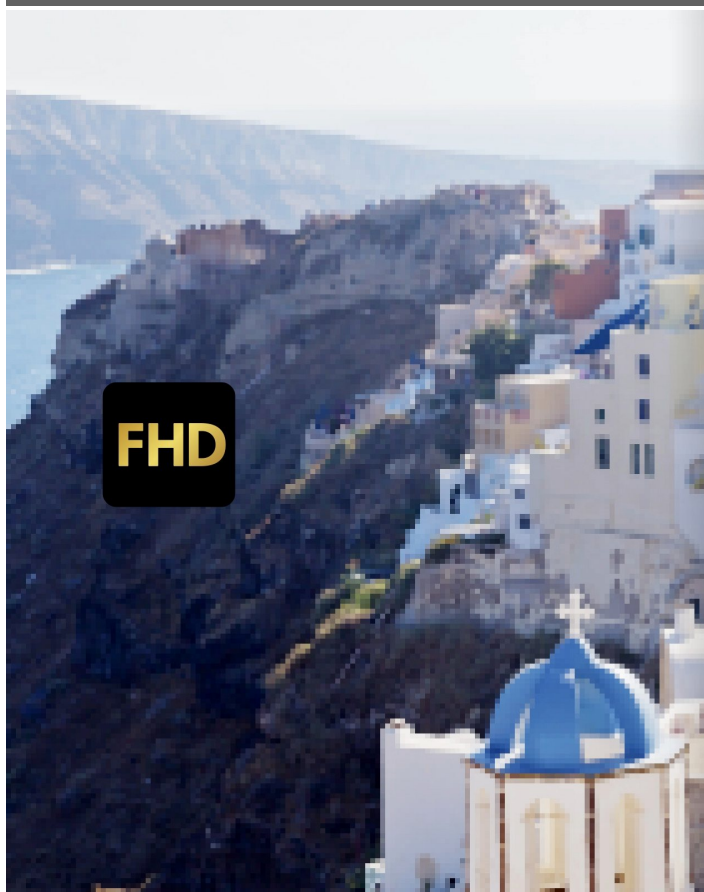
**VS481C**

**4-Port True 4K HDMI Switch**

The VS481C is a 4-port video switch that enables fast switching between four HDMI sources, delivering up to True 4K audiovisual content to a single HDMI display. It's an ideal addition to any AV setup where multiple video feeds need to be shared and switched instantly – perfect for home entertainment systems, meeting rooms, retail displays, and more.

### Instant Switching between 4 HDMI Inputs

Enjoy a variety of video content by switching between 4 HDMI source devices, such as computers, media players, and more.





#### True 4K Visual Clarity

The VS481C delivers stunning video quality with crystal-clear detail at resolutions up to True 4K (4096×2160 / 3840×2160 @ 60Hz, 4:4:4).

#### Long-Distance 4K Transmission

The video switch supports flexible cabling with connections to each HDMI source and display of up to 5 meters ( [2L-7D05H](#) recommended), delivering optimal 4K visual clarity (4096 × 2160 / 3840 × 2160 @ 30 Hz, 4:4:4) in any AV setup.



#### Flexible Switching Options

Switching is made easy with front-panel pushbuttons or the included IR remote control. Port selection can also be managed via a high-end controller, PC, or automation/theater software through an RS-232 serial connection to the switch. Or simply enable Auto Switch mode to automatically prioritize the most recently connected device as the video source.



▲ Pushbutton



Remote Control ▲



▲ RS-232 Control



Auto Switch ►

#### Applications

The VS481C is well suited for any commercial or professional application requiring instant switching between multiple video sources for various viewing purposes.

- 1.
- 2.
- 3.
- 4.







Classroom



Meeting Room





Post Production

[Previous](#) [Next](#)

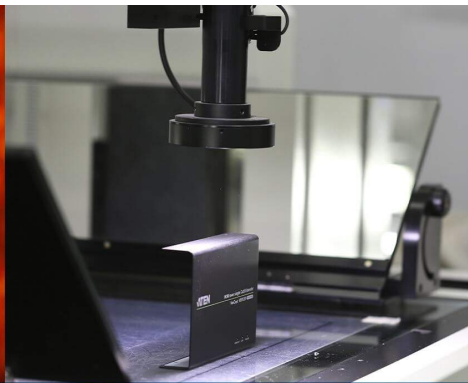
Commitment to Best Quality

Each product is rigorously tested under diverse environmental conditions to ensure high-quality, reliable, and cost-effective performance for our customers.

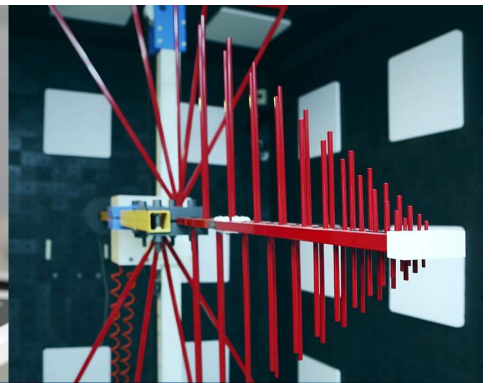




Temperature & Humidity Test



Reliability Test



Electrical Safety Test



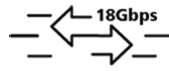
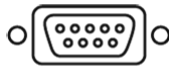
ISO9001:2015 & ISO14000



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 *      | <input type="text"/> |
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18Gbps Max.  
Bandwidth


RS-232 Control


Flexible  
Switching

IR Remote  
Control

## Features

The ATEN VS481C is designed for applications that require the routing of 4 sources to one compatible display device. It enables the reliable transmission at video resolutions up to True 4K (4096 x 2160 @ 60Hz 4:4:4), data rates up to 18 Gbps, 3D, Deep Color up to 12-bit, and HD lossless audio formats. Integrator-friendly features include Auto Switching modes for auto port selection, bi-directional RS-232, and IR for remote device control.

Engineered to meet today's demand of True 4K signal transmission and user- oriented design, the ATEN VS481C is a powerful solution for a wide range of settings, such as home theater, meeting rooms, trade shows, and shopping centers.

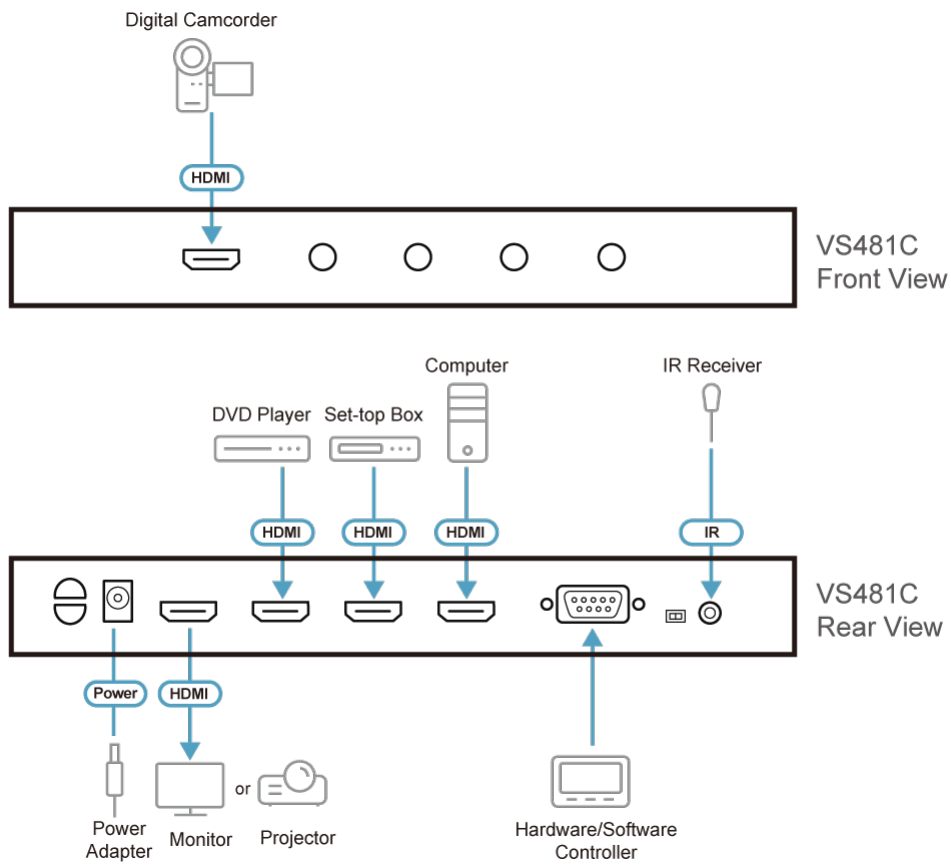
- Allows up to 4 HDMI sources to be connected to one HDMI display
- HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant
- Superior video quality- True 4k resolutions of 4k x 2k @ 60 Hz (4:4:4)
- Supports HDR10+
- Supports IR extension
- Built-in bi-directional RS-232 serial port for high-end system control
- Auto switching modes for auto port selection
- LED indication of source device status
- Plug-and-play

## Specifications

|                        |   |
|------------------------|---|
| Switches               |   |
| DIP                    | Auto Switch ON/OFF  |
| Video Input            |   |
| Interfaces             | 4 x HDMI Type A Female (Black)  |
| Impedance              | 100 $\Omega$  |
| Max. Distance          | 5M at 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          | 5M at 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 (3D, Deep Color, 4K)<br>HDCP 2.2<br>Consumer Electronics Control (CEC)   |
| Max. Resolution        | 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)  |
| Control                |   |
| RS-232                 | Connector : 1 x DB-9 Female (Black)<br>Baud Rate : 19200 / Data Bits : 8 / Stop Bits : 1 / Parity : NO / Flow Control : NO  |
| IR                     | 1 x Mini Stereo Jack Female (Black)<br>1 x IR Receiver  |
| Connectors             |   |
| Power                  | 1 x DC Jack (with locking)  |
| Power Consumption      | DC5V:0.924W:20BTU/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 $^{\circ}\text{C}$   |
| Storage Temperature    | -20 - 60 $^{\circ}\text{C}$   |
| Humidity               | 0 - 80% RH, Non-Condensing  |
| Physical Properties    |   |
| Housing                | Metal   |
| Weight                 | 0.47 kg ( 1.04 lb )   |
| Dimensions (L x W x H) | 20.00 x 8.21 x 2.50 cm<br>(7.87 x 3.23 x 0.98 in.)  |
| Carton Lot             | 10 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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