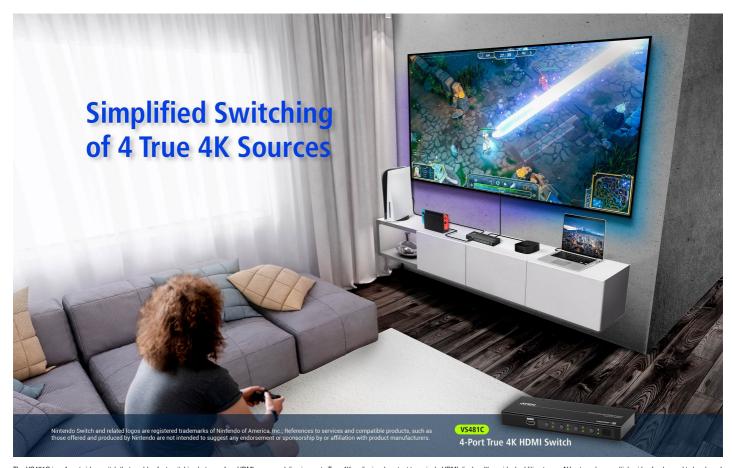


# VS481C

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 ( $4096\times2160/3840\times2160$  @ 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 x 2160 / 3840 x 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.





### 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.





Home Entertainment





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.





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 *	<u> </u>
Company *	
Email *	
Phone Number	
- Customer Type *	•
Job Title *	

•



















18Gbps Max. Bandwidth

RS-232 Control

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.

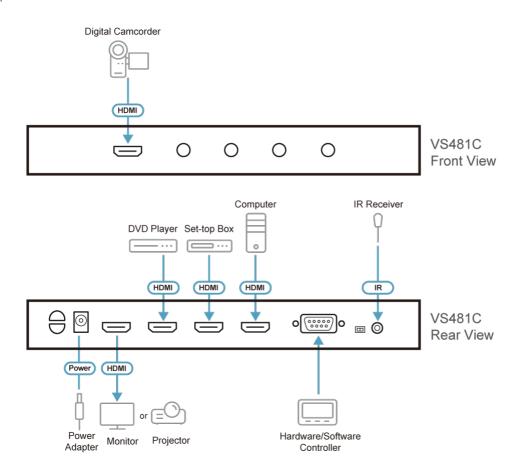
- Allows up to 4 HDMI sources to be connected to one HDMI display
  HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant
  Superior video quality- True 4k resolutions of 4k x 2k @ 60 Hz (4:4:4)

- Supports HDR10<sup>+</sup>
  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
- Auto switching
   LED indication
   Plug-and-play

Dep	Specification	
Marchaes	Switches	
Max. Distance   10 0 0 0	DIP	Auto Switch ON/OFF
Max. Data Sea	Video Input	
Mise Delatince         5M at 4006 x 2100 7 3840 x 2100 € 6012 (44.4)           Video Cutput           Mise Turson         1 x HDMI Type A Female (Black)           Most Dilutance         15M at 4006 x 2107 73840 x 2100 ⊕ 6012 (44.4)           Votes         Votes           Max. Plead Clock         500 MHz           Compliance         15 Clope Goder 4K1 HDCP 22 (44.4)           Max. Plead Clock         500 MHz           Compliance         4006 x 2100 73840 x 2100 ⊕ 6012 (44.4)           Control         4006 x 2100 73840 x 2100 ⊕ 6012 (44.4)           Control         4006 x 2100 73840 x 2100 ⊕ 6012 (44.4)           Control         4006 x 2100 73840 x 2100 ⊕ 6012 (44.4)           R9-323         Connector 1 x RB Female (Black)           Base Asserting State (Black)         Base Asserting Asserting State (Black)           1 x III Receiver         1 x RB State (Black)           Connector         1 x RB S	Interfaces	4 x HDMI Type A Female (Black)
Victo Cutput	Impedance	100 Ω
Max. Distance   1x HDM Type A Female (Black)	Max. Distance	5M at 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)
Mest Distance         100 0           Max. Distance         5M at 4086 x 2160 /3840 x 2160 /600 (614 x 4)           Victor           Max. Data Plate         10 Clops (6 Clops Per Lane)           Max. Plated Clock         600 MHz           Compliance         HDMI (3D, Deep Color, 440) HDDP 22 Clours and Electronics Control (CEC)           Max. Resolution         4096 x 2160 /3840 x 2160 /600 (44.4)           Control         Connector: 1 x CBs Fermals (Black) Baulf Rate: 19200 / Clast Bals: 18 / Stops Bals: 1 / Party: NO / Flow Control : NO           RR         1 x MB Tabeous Exercise (Black) 1 x 1 R Recovery           Power         1 x DC Jack (with locking)           Power Consumption         DCS /vs.24/W20STU In Note: • The measurement in Walts inclustes the bytical power consumption of the device with no external loading. • The measurement in Walts inclustes the power consumption of the device with no external loading.           Environmental         Environmental           Environmental         On Strong Compensation           Open Strong Compensation         0.40 °C           Stronger Compensation         0.40 °C           Broad of	Video Output	
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Max. Pixel Clock   600 MHz	Video	
Compilance   HDMI (3D, Deep Color, 4K) HDCP 22   Consumer Electronics Control (CEC)	Max. Data Rate	18 Gbps (6 Gbps Per Lane)
Max. Resolution	Max. Pixel Clock	600 MHz
RS-232   Connector: 1 x DB-9 Female (Black)   Baud Rate: 19200 / Data Bits: 8 / Stop Bits: 1 / Perity: NO / Flow Control: NO     R	Compliance	HDCP 2.2
RS-232   Connectors : 1 x DB-9 Female (Black)   Baud Rate : 19200 / Data Bits : 8 / Stop Bits : 1 / Parity : NO / Flow Control : NO	Max. Resolution	4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)
Baud Rate : 19200 / Data Bits : 8 / Stop Bits : 1 / Parity : NO / Flow Control : NO	Control	
1 x IR Receiver	RS-232	Connector: 1 x DB-9 Female (Black) Baud Rate: 19200 / Data Bits: 8 / Stop Bits: 1 / Parity: NO / Flow Control: NO
Power Consumption DCSV.0.924W:20BTU/h Note:	IR	
Power Consumption  DCSV:0.924W:20BTU/h Note:  • 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  0.47 kg (1.04 lb)  Dimensions (L x W x H)  20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)  Carton Lot  10 pos	Connectors	
Note: 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  0.47 kg (1.04 lb)  Dimensions (L x W x H)  20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)  Carton Lot  10 pcs	Power	1 x DC Jack (with locking)
Operating Temperature         0-40 °C           Storage Temperature         -20 - 60 °C           Humidity         0 - 80% RH, Non-Condensing           Physical Properties         Housing           Metal         0.47 kg (1.04 lb)           Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carlon Lot         10 pcs	Power Consumption	Note:  The measurement in Watts indicates the typical power consumption of the device with no external loading.
Storage Temperature         -20 - 60 °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 (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Environmental	
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 (7.87 x 3.23 x 0.98 in.)           Carlon Lot         10 pcs	Operating Temperature	0.40 °C
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 (7.87 x 3.23 x 0.98 in.)           Carlon Lot         10 pcs	Storage Temperature	-20 - 60 °C
Housing         Metal           Weight         0.47 kg (1.04 lb )           Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Humidity	0 - 80% RH, Non-Condensing
Weight         0.47 kg (1.04 lb)           Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Physical Properties	
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(7.87 x 3.23 x 0.98 in.)  Carton Lot 10 pcs	Weight	0.47 kg (1.04 lb)
	Dimensions (L x W x H)	20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)
Note For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	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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