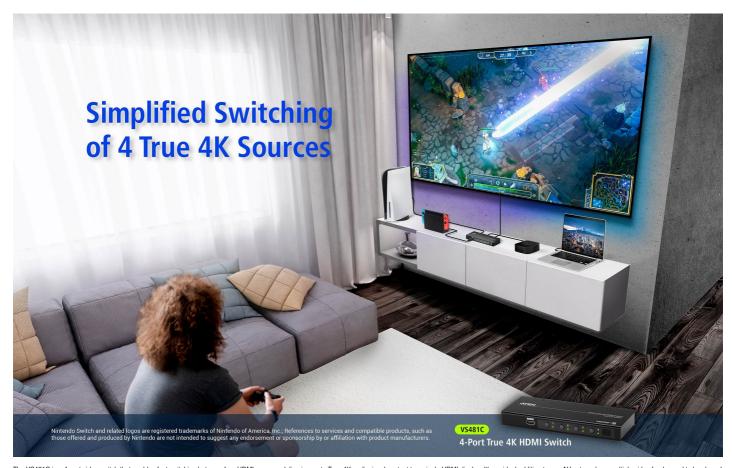


VS481C

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 × 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.





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 * | |

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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⁺
 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

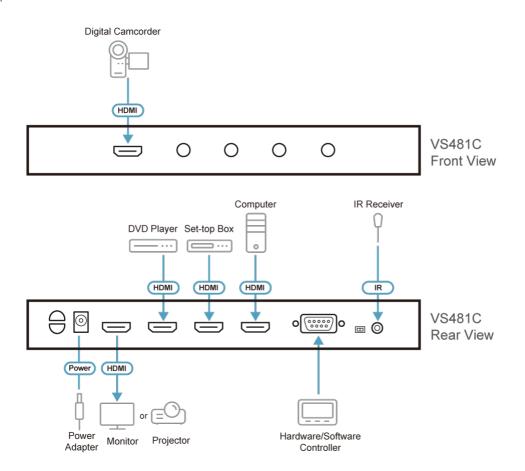
- Plug-and-play

Specifications

| Seaton As Senin Notife One As Senin Notife Video Input Video Input Video Input 4 x HOMI Tipe A Formic (Black) Properties 10 0 Association 10 0 Video Cuput Video Cuput Video Cuput Video Cuput Video 10 0 Association 10 0 0 Association 10 0 0 Association 10 0 0 Association 10 0 0 0 Video Video Video Video Interest Liveo Association 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Specifications | |
|--|------------------------|---|
| Microsis | Switches | |
| Intentionation | DIP | Auto Switch ON/OFF |
| Impedance 100 D | Video Input | |
| Max. Distance 94 at 4496 x 2106 (9 600 x 144) Video-Cuipul Interfaces 1 x 1400M Type A Femile (Black) Opportune 100 G Max. Distance 95 at 4496 x 2100 (9 600 x (4.44) Video Wax. Distance Max. Distance 16 Gape (16 Gape Per Lame) Max. Pace (Lock 460 Met Compliance 16 Mil (Dis. Deep Coor. 44) 11COP 2 2 11COP 2 2 11COP 2 3 11COP 2 | Interfaces | 4 x HDMI Type A Female (Black) |
| Note Output | Impedance | 100 Ω |
| Interfaces | Max. Distance | 5M at 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) |
| Impedance | Video Output | |
| Max. Delarace SM at 4086 x 2160 / 8840 x 2160 @ 6014 (4-4.4) Victor Max. Delarace 18 Clope (6 Clips Per Lane) Max. Pixel Clock 600 MHz Compliance HOW 82.0 per Color, 4K) HOCP 22 consume filteriones Control (CEC) Max. Resolution 4006 x 2160 / 3840 x 2160 @ 6014z (4-4.4) Control Control RS-232 Connector : 1 x D8-8 Female (Black) Base Plate : 19200 / Data Bits : 87 Stop Bits : 17 Partly : NO / Flow Control : NO BF 1 x Min Steeo Jack Female (Black) Base Plate : 19200 / Data Bits : 87 Stop Bits : 17 Partly : NO / Flow Control : NO Connectors Connectors Power 1 x D Cask (with besing) Power Consumption DCSV 9.384W:208TUh Note: • The measurement in Walts includes the typical power consumption of the device with n external loading. • The measurement in BTUh includes the power consumption of the device with n it s.fully loaded. Environmental Consider Temperature 0.40 °C Storage Temperature 0.40 °C Storage Temperature 0.40 °C Housing Metal Weight 0.47 %g (1.04 b) Underly 0.47 %g (1.04 b) Constant La W x H) 2000 x B.21 x 25 0 cm (2.67 x 3.23 x 3.0 | Interfaces | 1 x HDMI Type A Female (Black) |
| Vision Nax. Data Rate 18 Clops (6 Clops Per Lane) Max. Pixel Clock 800 Mtz Compliance HDMI (8D. Deep Color, 4K) HDMD P22 Consumer Electrorius Control (CEC) Max. Resolution 406 x 2 160 / 3840 x 2 160 @ 60Hz (4-44) Control RS-232 Comeator : 1 x DB 8 Pemale (Black) Based Rais : 1980 in Data Bits : 1 / Stip Bits : 1 / Parly : NO / Fow Control : NO R Contrectors Very Consumption Dover Onsumption DCS/V3.284W-20BT Uh Nase: • The measurement in Wists indicates the pypical power consumption of the device when it is fully loaded. Environmental Environmental Doperating Temperature 0-40 °C Storage Temperature 0-90 °F RH, Non-Condensing Physical Properties 400 °C Housing 0-80% RH, Non-Condensing Properating Temperature 0-90% RH, Non-Condensing Properties 0.40 °C Brown Consumption 0.40 °C Brown Consumption 0.40 °C Companing Temperature 0.40 °C Brown Consumption 0. | Impedance | 100 Ω |
| Max. Data Rate 18 Ckps (6 Ckps Per Lane) Max. Pact Clock 600 MHz Compliance HDMI (3D. Deep Color, 4K) HDGP 22° Consumer Electronics Control (CEC) Max. Resolution 4 22 (20 / 384 x 2160 / 384 x 2160 / 684 x 444) Control Fig. 22° BS-522 Connector: 1 x DB-3 Female (Black) BS-523 Connector x 1 x Min Stence Jack Female (Black) Control x Min Stence Jack Female (Black) Connectors Fower Consumption Power Consumption DCS-30.364 (with locking) Environmental Consequence of the Mats indicates the typical power consumption of the device with no external loading. | Max. Distance | 5M at 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) |
| Max. Pixel Clock | Video | |
| Max. Resolution Mg 2160 / 3840 x 2160 @ 60Hz (4.4.4) | Max. Data Rate | 18 Gbps (6 Gbps Per Lane) |
| HDCP 22 Consume Floctronics Control (CFC) Max. Resolution 4096 x 2180 / 3840 x 2180 @ E0Hz (4.4.4) Control R5-232 Consumetor: 1 x D8-9 Female (Black) Baud Rate: 15200 / Data Bits: 8 / Stop Bits: 1 / Parily: NO / Flow Control: NO R | Max. Pixel Clock | 600 MHz |
| Max. Resolution 4996 x 2160 / 3840 x 2160 @ 60Hz (4.4.4) Control RS-232 Connector: 1 x DB-9 Female (Black) Band Fals: 19200 / Data Bits: 18 / Sing Bits: 1 / Parity: NO / Flow Control: NO IR 1 x Min Stereo Jack Female (Black) Band Fals: 19200 / Data Bits: 18 / Sing Bits: 1 / Parity: NO / Flow Control: NO Connectors 1 x DC Jack (with locking) Power 1 x DC Jack (with locking) Power Consumption DC5V.0.924W20BTUh Note: • The measurement in Walts indicates the typical power consumption of the device with no external loading. • The measurement in BTUh indicates the power consumption of the device when it is fully loaded. Environmental 50 on 0° C Storage Temperature -20 · 60 ° C Hurnidity 0 on 8% RH, Non-Condensing Physical Properties Housing Metal 0.47 kg (1.04 lb) Dimensions (L x W x H) 2000 x 221 x 250 cm (7.87 x 3.23 x 0.98 in.) Caron Lot 10 pcs | Compliance | HDCP 2.2 |
| RS-232 Connector: 1 x DB-9 Female (Black) Baud Rate: 19200 / Data Bits: 8 / Stop Bits: 1 / Parity: NO / Flow Control: NO R | Max. Resolution | |
| Connector : 1 x DB-9 Female (Black) Baud Rate : 19200 / Data Bits : 8 / Stop Bits : 1 / Parity : NO / Flow Control : NO | | |
| T x Mini Stereo Jack Female (Black) 1 x IR Receiver | | Connector : 1 x DB-9 Female (Black) Baud Rate : 19200 / Data Bits : 8 / Stop Bits : 1 / Parity : NO / Flow Control : NO |
| Power Consumption CSV-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) 2000 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.) Garton Lot 10 pcs | IR | |
| Power Consumption DC5V-0.924W:20BTU/h Note: | 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) |
| • 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 Consumption | DC5V:0.924W:20BTU/h |
| 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.) Carton Lot 10 pcs | | 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.) Carton 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.) Carton 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 | |
| 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 | Housing | Metal |
| (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) | |
| 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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