



**Secure multi-viewer switch for sharing KVM, plus analog audio between four computers spanning multiple security classification levels.**

The ADDERView® Secure multi-viewer switch is designed to give operators managing mission-critical systems, simultaneous real-time access of up to four computers from a single KVM workstation. Users can instantly take control of the target PC by simply moving the mouse between windows.

## ADDERView® Secure AVS 1124 - Multi-

Secure

### Features



#### Video Performance

Up to UHD 4K video output resolution is generated so the HD input signal quality is preserved - even in tile window layout.



#### Automatic Switching

Switch channels (KVM plus audio) easily by moving the mouse across the screen border while pressing the Ctrl key. This is a security feature to prevent accidental switching.



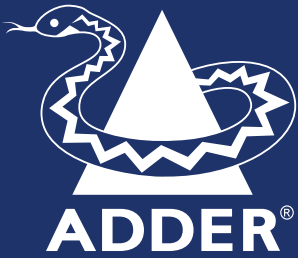
#### Channel Identification

Reduce the chances of operator error by displaying a name for each channel and its security classification on the E-paper display. The color of the channel LED may also be configured to reflect the security classification.



#### Flexible Screen Layout

Use preset window layouts, or move and resize windows, to create custom layouts. Dual output ports allow for extended or duplicated modes.



### No Shared RAM Between Channels

The keyboard and mouse processor is powered down and reset at each switchover to avoid shared RAM leakages. All data buffers are actively cleared once they have been used.



### Hardware Anti-Tampering

Holographic anti-tampering labels protect the product's enclosure, providing a clear visual indication if it has been opened or compromised.



### Restricted USB Function

The USB ports will only accept HID (Human Interface Devices), such as keyboards and mice. Other devices, such as USB storage drives, are actively prohibited.



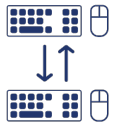
### Audio Hold

Assign the audio port to a specific computer while switching the KVM to another computer. Useful when a user needs to listen to audio from one computer, while working on another.



### Uni-Directional Video

Computer video input interfaces are isolated through use of separate electronic components and power. This display is isolated by a dedicated, read-only, EDID emulation for each computer. Access to the monitor's EDID and MCCS commands are blocked.



### Uni-Directional USB and Audio

Uni-directional optical diodes ensure data paths travel in only one direction to prevent data leakage through shared peripherals. A uni-directional structure also protects against timing analysis or forced malfunction attacks.



### Non-Reprogrammable Firmware

Firmware is permanently stored in non-reprogrammable Read Only Memory (ROM) to prevent modification, and cannot be accessed by any port. If a critical failure is detected, the device is disabled and provides a clear visual indication to the user.



### Industry Recognized

NIAP PP 4.0 Certified and TAA Compliant

| Video Information (1 Screen)        |  |
|-------------------------------------|--|
| Maximum Resolution (1 Screen)       | UHD 4k (3840x2160 ) at 4:4:4   |
| Frame Rate (1 Screen)               | 30   |
| Color Depth (1 Screen)              | 8 bpc  |
| Video Information (2 Screen)        |  |
| Maximum Resolution (2 Screens)      | UHD 4k (3840x2160 ) at 4:4:4   |
| Frame Rate (2 Screens)              | 30   |
| Color Depth (2 Screen)              | 8 bpc  |
| Video Additional Information        |  |
| Video Additional Information        | The system supports input resolutions up to HD (1920 x 1200). It generates output resolutions up to UHD 4K (3840 x 2160 @ 30Hz). |
| Computer Connections                |  |
| USB B                               | 4x 2.0, HID Emulation  |
| DVI-D                               | 4x   |
| Console Connections                 |  |
| USB A                               | 2x 2.0, HID Emulation  |
| HDMI®                               | 2x   |
| Serial Ports                        |  |
| Serial Connection                   | 1x RS232   |
| Serial Additional Information       | For remote control   |
| Serial Connection Type (console)    | RJ12 (6p6c)  |
| Audio Connections                   |  |
| Audio Type                          | Analog   |
| Channels                            | 2x   |
| Audio Direction                     | Output only  |
| Audio Out Port                      | 1x 3.5mm jack  |
| Network Support                     |  |
| 10/100 Support                      | No   |
| Environmental                       |  |
| Operating Temperature Range °C / °F | 0 - 40 °C / 32 - 104 °F  |
| Storage Temperature °C / °F Range   | -20 - 60 °C / -4 - 140 °F  |
| Operating Humidity (%)              | 0% - 80% (non-condensing)  |
| Storage Humidity (%)                | 0% - 80% (non-condensing)  |

|                                  |  |
|----------------------------------|--|
| Mean Time Between Failure (MTBF) | 91,000 h   |
| Warranty                         | 2 y  |
| Temperature Regulation           | Fanless  |
| <b>Power Source</b>              |  |
| 12V 3-pin                        | 1x   |
| Input Power Supply               | PSU 2.5A   |
| Power Additional Information     | 100 - 240V AC, 47/63Hz<br>12V DC 30W output from power supply unit   |
| <b>Power Consumption</b>         |  |
| Maximum Power (Watts)            | 30   |
| Maximum Power (Volts)            | 12   |
| Maximum Power (Current)          | 2.5  |
| <b>Physical Design</b>           |  |
| Construction Material            | Robust metal construction  |
| Width (mm) / (in.)               | 344 / 13.5   |
| Height (mm) / (in.)              | 44 / 1.7   |
| Depth (mm) / (in.)               | 171 / 6.7  |
| Weight (kg) / (lb)               | 1.6 / 3.5  |
| <b>Front Panel Features</b>      |  |
| Multi color status LEDs          | 4x   |
| E-Paper Display                  | 1x   |
| Audio Hold                       | 1x   |
| <b>Compatibility</b>             |  |
| OS Compatibility                 | Windows, Linux, macOS  |
| <b>Approvals and Standards</b>   |  |
| Approvals                        | CE, cTUVus, FCC, ICES, RCM, UKCA   |
| Standards                        | ANSI 63.4, EN/IEC 62368-1, EN55032 /CISPR 32,<br>EN55035/CISPR 35, EN61000-3-2, EN61000-3-3,<br>EN63000, FCC pt15B |
| Other                            | Cal Prop 65, China ROHS, EU REACH, NIAP PP 4.0, UK<br>REACH  |



### What's in the Box?

1x 4-port multi-viewer switch

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1x Power supply unit with universal mains cable

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1x Quick start guide

### Ordering Information

AVS-1124                      ADDERView Secure 4-port multi-viewer switch

### Related Accessories (Sold Separately)

ADDER® Secure Card Reader

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ADDER® Secure Remote Control Unit

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ADDER® CCS-XB

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