

# SM-UVH-2D

2-PORT DUAL-HEAD UNIVERSAL DISPLAYPORT & HDMI KVM SWITCH



ACCESS AND CONTROL UP TO 2 COMPUTERS WITH ANY COMBINATION OF DP OR HDMI CONNECTIONS FROM A SINGLE USB KEYBOARD, MOUSE, AND TWO MONITORS

## FEATURES

-  Universal DisplayPort & HDMI inputs/outputs
-  Dual-Head support in a slim 2U rackmount design
-  Seamless USB 2.0 and KM switching
- 4K** Crisp 4K@60 UHD resolution
-  AUX emulation for stable dual-display setups

## APPLICATIONS

- Server Collocation
- Digital Signage
- Education
- Airports
- Dealer Rooms
- Control Rooms
- Audio/Visual Presentations
- Shopping Centers
- Hotels/Resorts



Designed and Manufactured in the USA

# UNIVERSAL DISPLAYPORT & HDMI KVM

Unlike traditional KVM switches that lock you into a single format, the SM-UVH-2D is a universal solution that supports both DisplayPort and HDMI sources and monitors. You can mix and match DP and HDMI PCs and displays across the same unit without compromise, solving a growing challenge in multi-format environments.

## BUILT TO LAST — RELIABLE & SECURE

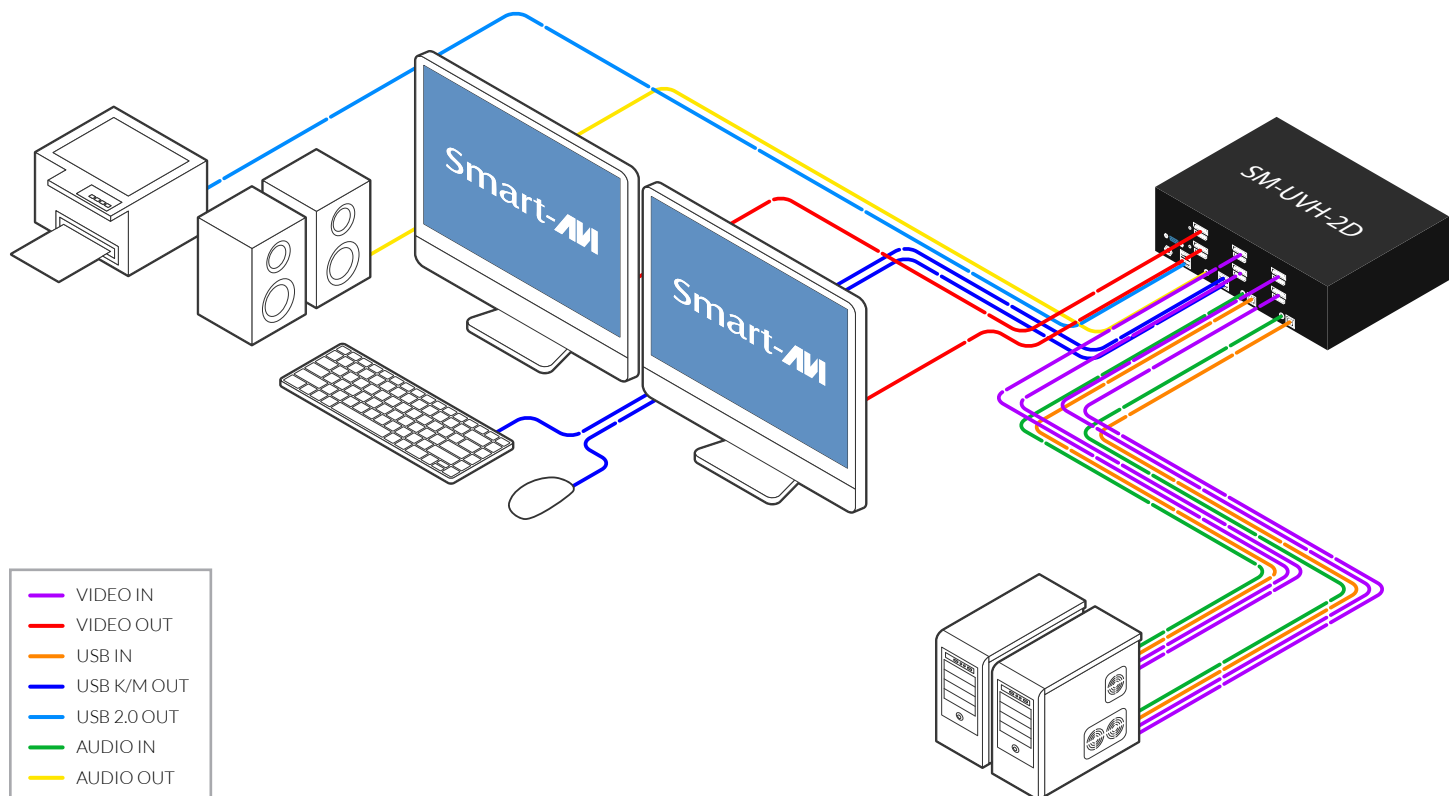
This tried-and-true design incorporates separate DisplayPort and HDMI connectors on every port, ensuring full compatibility while maintaining a slim rackmount form factor. The proprietary connector layout is safer and more robust than competitor designs, reducing the risk of damage from repeated use and making it ideal for demanding professional environments.

## CRISP 4K UHD PERFORMANCE

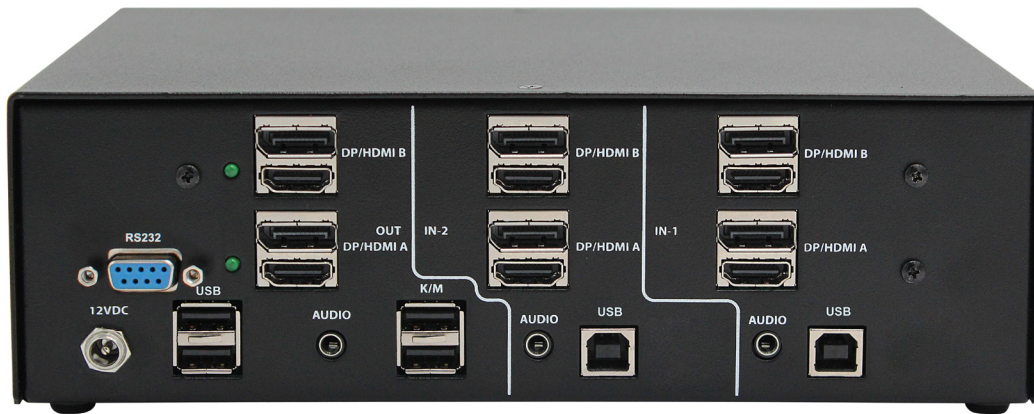
Supporting up to 4K@60Hz Ultra HD resolution, the SM-UVH-2D delivers pixelperfect clarity with zero signal loss, even in the most demanding workflows. Whether in medical imaging, command and control, or financial trading floors, the video quality stays sharp and stable.

## TECHNOLOGY & CONNECTOR

Dual-Display configuration with universal DP/HDMI inputs and outputs. Optimized for enterprise rackmount environments.



# FRONT AND BACK



SM-UVH-2D Back panel



SM-UVH-2D Front panel

- **Strong Mechanical Design**  
Durable connector housing ensures long-term reliability.
- **Compact Form Factor**  
Slim enough for 2U rack integration.
- **Universal Compatibility**  
Supports any mix of DisplayPort & HDMI connections for each input/output.
- **High Performance**  
Crisp 4K @ 60Hz UHD video.
- **Proprietary Connector Innovation**  
Safer and more resistant to wear compared to industry-standard combined connectors.

Universal DP/HDMI  
Input & Output

Slim 2U rackmount-  
ready design



Durable, reinforced  
housing

Supports 4K@60  
UHD resolution

Optimized for high-  
duty enterprise environments

# TECHNICAL SPECIFICATIONS

| VIDEO               |                                          |
|---------------------|------------------------------------------|
| Format              | DisplayPort / HDMI                       |
| Input Interface     | (4) DisplayPort 20-pin / (4) HDMI 19-pin |
| Output Interface    | (2) DisplayPort 20-pin / (2) HDMI 19-pin |
| Resolution          | 3840 x 2160 @ 60 Hz                      |
| Color Mode          | 24-bit                                   |
| DDC                 | 5 volts p-p (TTL)                        |
| Input Equalization  | Automatic                                |
| Input Cable Length  | Up to 20 ft.                             |
| Output Cable Length | Up to 20 ft.                             |

| AUDIO              |                         |
|--------------------|-------------------------|
| Input Interface    | (2) 3.5 mm Stereo Audio |
| Output Interface   | (1) 3.5 mm Stereo Audio |
| Impedance          | 600 Ohm                 |
| Frequency Response | 20 Hz to 20 kHz         |
| Nominal Level      | 0-1.0 V                 |
| Common Mode        | Rejection at 60 dB      |

| USB              |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Signal Type      | USB 2.0, 1.1, and 1.0 w/ internal hub                                 |
| Input Interface  | (2) USB Type B                                                        |
| Output Interface | (2) USB 1.1 Type A for KVM Devices;<br>(2) USB 2.0 Type A Transparent |

| PART NO.    | DESCRIPTION                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------|
| SM-UVH-2D-S | 2-Port Dual-Head 4K/60Hz DisplayPort/HDMI KVM Switch with USB 2.0 & Aux Emulation.<br>Includes: [SM-UVH-2D, and PS12VD3A] |

| CONTROL     |                                  |
|-------------|----------------------------------|
| Front Panel | Push Buttons with LED Indicators |
| RS-232      | Via Control @ 115200 bps         |
| Hot Keys    | Via Keyboard                     |

| OTHER                 |                                       |
|-----------------------|---------------------------------------|
| Power                 | External<br>100-240 VAC/12VDC3A @ 24W |
| Dimensions            | 8.8" W x 2.63" H x 6.69" D            |
| Weight                | 3.85 lbs                              |
| Approvals             | UL, CE, ROHS Compliant                |
| Operating Temperature | +32 to +104°F (0 to +40°C)            |
| Storage Temperature   | -4 to 140°F (-20 to +60°C)            |
| Humidity              | Up to 80% (No Condensation)           |
| Emulation             | Keyboard and Mouse                    |

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