

VP1920

9 x 2 4K Presentation Matrix Switch



The ATEN VP1920 is a 3-in-1 presentation switch that integrates a [video matrix](#) switch, an audio processor, and analog-to-digital converter functions. With nine multi-format inputs to two HDMI 4K outputs, it is designed to boost the efficiency and impact of professional presentations.

With streamlined control from front panel pushbuttons, IR remote controller, OSD, and RS-232, the VP1920 reduces not only system device count, but also lower operation complexity. It is suitable for all small-to-medium sized corporate and education presentation environments, such as meeting rooms, classrooms, training rooms, or any other presentation setting, such as in exhibition centers or hotels.



Features

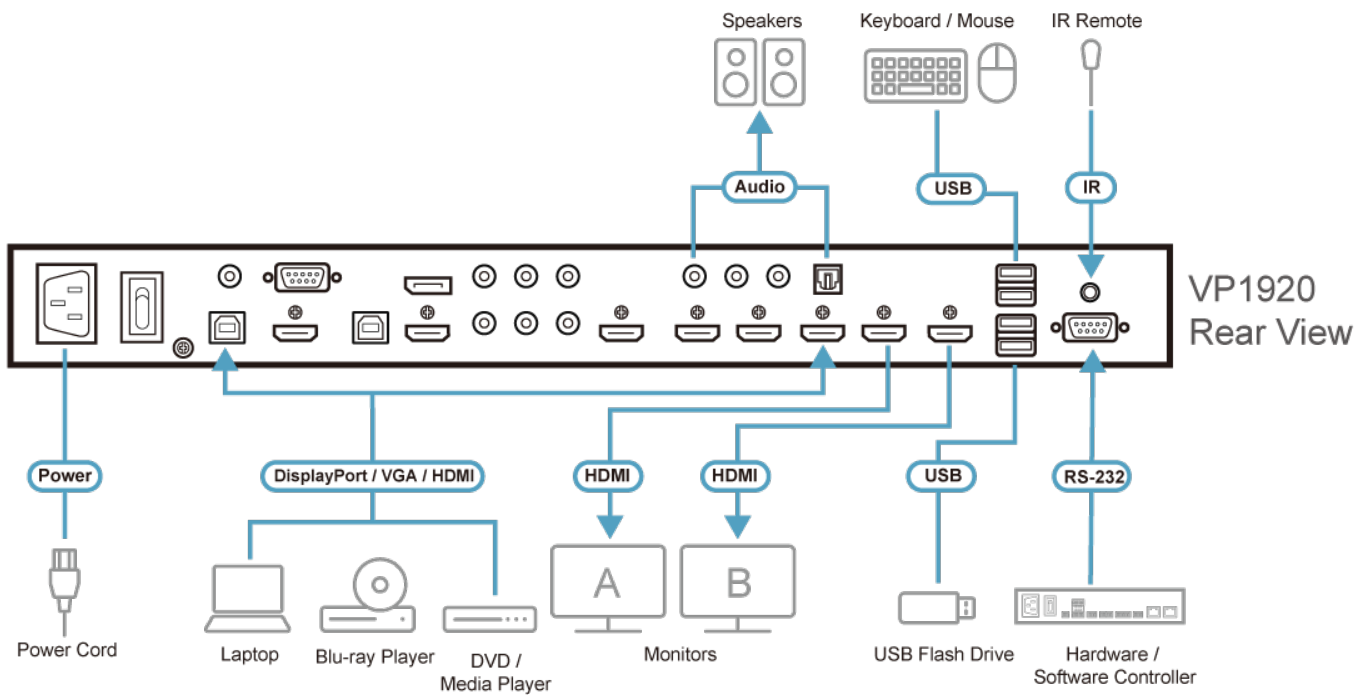
- **Multi-format AV Switching with Simplicity**
 - Supports multi-format 9 Inputs and 2 HDMI outputs:
 - 3 combo inputs (HDMI/VGA, HDMI/DisplayPort, HDMI/AV/YPbPr)
 - 3 HDMI inputs
 - 2 HDMI outputs
 - VGA port supports universal analog input formats (RGBHV/RGBs/YCbCr/YPbPr)
 - Embed/De-embed Audio–HDMI/DisplayPort audio signals can be extracted to digital/analog audio signals; stereo / composite/component audio can be embedded to digital audio signals
- **High-definition Video with Optimum Output**
 - Superior video quality up to 4096 x 2160@60Hz (4:2:0) / 4096 x 2160@30Hz (4:4:4) (HDMI/DP)
 - EDID Expert™ - automatically selects the optimum EDID settings for smooth power-up, high-quality display, and the best video resolution across connected devices
 - HDMI (3D, Deep Color, 4K); HDCP 1.4 compliant
- **Versatile, Streamlined Operation**
 - Multiple control methods via front-panel pushbuttons, RS-232, OSD, and IR remote
 - Source preview – quickly identifies and switches to the target content
 - Selectable display modes (Matrix, Mirror, or PiP) for different presentation demands
 - Auto switching – automatically detects and switches to a new source as soon as it is connected for time-saving and convenience
 - Supports stand-by mode for power saving and fast waking up
- **Extended Flexibility for USB Peripherals**
 - USB ports enable keyboard/mouse or touch panel control over the connected computers
 - Control focus for keyboard/mouse and USB peripherals can be individually switched to a designated computer source

Specifications

| | |
|-----------------------------|---|
| Video Input | |
| Interfaces | 6 x HDMI Type A female (Black) 1 x DP Female (Black) 1 x HDB-15 Female (Blue) 1 x Component (3x RCA female, Blue/Green/Red) 1 x Composite (1x RCA female, Yellow) |
| Video Output | |
| Interfaces | 2 x HDMI Type A female (Black) |
| Max. Distance | Up to 15m |
| Video | |
| Max. Resolution | HDMI: Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) DP: Up to 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) VGA/Analog: Up to 1920x1200@60Hz |
| Compliance | HDMI (3D, Deep Color, 4K) HDMI/DP: HDCP 1.4 Compatible; Consumer Electronics Control (CEC) |
| Audio | |
| Input | Stereo Audio: 1 x mini stereo Jack female (Green) Composite/Component Audio: 2 x RCA female (Red/White) |
| Output | Optical Audio: 1 x Toslink (Black) Coaxial Audio: 1 x RCA female (Orange) Stereo Audio: 2 x RCA female (White / Red) |
| Connectors | |
| Computers | 2 x USB Type B Female (White) |
| Console Ports | Keyboard/Mouse: 2 x USB Type A Female (White) Device: 2 x USB Type A Female (White) |
| Power | 1 x 3-prong AC Socket |
| Control | |
| RS-232 | 1 x DB 9 female (Black) |
| IR | 1 x Mini Stereo Jack Female (Black) |
| Switches | |
| Power | 1 x Pushbutton 1 x Rocker |
| Video Input Port Selection | 6 x Pushbutton |
| Video Output Port Selection | 2 x Pushbutton |
| Selection | Mode: 1 x Pushbutton Menu: 1 x Pushbutton Up (Unlock): 1 x Pushbutton Esc: 1 x Pushbutton Audio: 1 x Pushbutton Preview: 1 x Pushbutton Down: 1 x Pushbutton Enter: 1 x Pushbutton |
| LEDs | |
| Video | Source 1: HDMI/VGA: 2(Green) Source 2: HDMI/DP: 2(Green) Source 3: HDMI/AV/YPbPr: 2(Green) |
| USB Link | Keyboard/Mouse: 2 (Amber) Device: 2 (Amber) |
| EDID Settings | EDID Mode: Default / Display A/ Remix |
| Power | |
| Maximum Input Power Rating | 100-240 VAC; 50-60Hz; 1.0A |

| | |
|------------------------|--|
| Power Consumption | AC110V:7.3W:60BTU/h AC220V:7.3W:60BTU/h Note: <ul style="list-style-type: none"> ● 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 | 2.36 kg (5.2 lb) |
| Dimensions (L x W x H) | 43.72 x 16.36 x 4.40 cm (17.21 x 6.44 x 1.73 in.) |
| Carton Lot | 1 pc |
| Note | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. |

Diagram



ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
 www.aten.com E-mail: marketing@aten.com



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