

## 1x9 Video Wall Controller - 4K 30 Hz Video Input to 1080p Output, 1 HDMI Input, 9 HDMI Outputs, 4:4:4

MODEL NUMBER: B119-1X9-VW



Extends 4K video from one HDMI source to 9 HDMI displays in multiple configurations, including 3x3 and 2x4.

### Features

#### Extends 4K Video from a Single HDMI Source to 9 HDMI Monitors or HDTVs

The B119-1X9-VW captures, converts, routes and distributes 4K video signals in various video wall modes to create one large 1080p image. Ideal for video wall applications in retail settings, concert venues, restaurants and bars, hotels, offices, houses of worship and other applications where large, visually appealing displays are needed, this video wall controller works with older 1080p displays to save you the expense of upgrading.

#### Creates Up to 13 Different Video Wall Configurations

The B119-1X9-VW features one 4K/30 Hz HDMI input and nine 1080p/60 Hz HDMI outputs to create 13 unique video wall splicing modes to be stretched either horizontally or vertically: 3x3, 2x4, 2x3, 4x2, 3x2, 2x2, 1x2, 2x1, 1x3, 3x1, 1x4, 4x1 and 1x1. You can set display modes via front-panel buttons, the included IR remote or RS-232 commands. The B119-1X9-VW supports On-Screen Display (OSD) readouts to easily identify the current mode and port information for each connected display.

#### Transmits 1080p Video with 4:4:4 Color

The B119-1X9-VW supports 1080p resolutions at 60 Hz LPCM, Dolby Audio Codec 3 (AC3) and DTS audio. HDCP 1.3/1.4 encryption allows you to stream 4K content with no loss in resolution. This switch also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

#### Customize Your Video Wall with Edge Masking and Image Rotation

The image borders can be adjusted on the connected displays by expanding or reducing the picture edges using the Edge Masking +/- button on the unit or remote control. Images can be independently rotated by 180-degree increments using the remote control. **Note:** All video splitter configurations except the 1x1 (Mode 13) can be rotated. The Edge Masking function adjusts the picture border by eight pixels at a time and can be adjusted to 8x20 pixel max. The default setting is zero pixels adjusted.

#### Plug-and-Play Operation for Quick Setup and Immediate Use

The B119-1X9-VW works right out of the box with no software required. Mounting hardware is included for installing the unit on a wall or other flat surface. Connect a 4K source device to the HDMI input and up to nine 1080p displays to the HDMI outputs with user-supplied cables. The external power supply comes with four international plug adapters to ensure an AC connection anywhere. An intelligent memory

### Highlights

- Captures, converts, routes and distributes 4K audio/video to a 1080p video wall
- Supports HDMI input with UHD resolutions up to 4K @ 30 Hz (4:4:4)
- Edge masking function allows picture border adjustments by adding/removing pixels
- Allows flexible control via front-panel buttons, IR remote or RS-232 commands
- Plug-and-play operation with no software required for easy, immediate installation

### System Requirements

- Source device with HDMI output (media server, Blu-ray player, laptop, cable/satellite box, gaming console)
- Display device(s) with HDMI input (HDTV, monitor, projector)
- User-supplied HDMI cables must support at least 4K video (input) and 1080p video (output)

### Package Includes

- Video Wall Controller
- Remote control
- USB-A to USB Micro-B data cable, 5 ft. (1.5 m)
- External power supply (Input: 100–240V, 50/60 Hz, 0.4A; Output: 12V 1A) with 4 ft. (1.2 m) cord
- (4) International plug adapters (AS/NZS 3112 Australia, BS 1363 UK, CEE 7/7 Schuko, NEMA 1-15P North America)
- (4) Rubber foot pads
- Mounting hardware
- Installation instructions

function retains the previous configuration settings when the switch is powered off.

## Specifications

OVERVIEW	
UPC Code	037332296948
Product Type	Video Wall Controller
Technology	HDMI
Host Connector	HDMI (FEMALE)
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	9
Video Ports	(9) HDMI (FEMALE)
Video Ports Details	HDMI 1.4; HDCP 1.3; HDCP 1.4
Resolutions Supported	1 HDMI INPUT RESOLUTION: 4096 X 2160 @ 30HZ, NINE HDMI OUTPUT RESOLUTIONS FIXED TO 1080P @ 60HZ
Supported Resolutions	1920x1080 (1080p)
Max Supported Video Resolution	1920 x 1080 (1080p)
Max Supported Color Depth	36-bit Deep Color
HDR Support	No
3D Video Supported	No
Chroma Sub Sampling	4:2:2; 4:4:4
EDID Support	Yes
Bandwidth	10.2 Gbps
AUDIO	
Audio Ports	(1) 3.5MM (FEMALE); (1) TOSLINK (FEMALE)
Audio Ports Details	Dedicated audio outputs include:(1) 3.5mm stereo audio jack(1) TOSLINK
Audio Input	HDMI
Audio Output	3.5mm; HDMI; Toslink
Audio Specification	Supports digital audio formats including LPCM (uncompressed audio), AC3 (Dolby Audio Codec 3), and DTS (Digital Theater Systems). The 2.1/5.1CH button allows for manual switching between 2.1 channel and 5.1 channel audio modes.
INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/7 Schuko; NEMA 1-15P North America



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AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.4A
AC Power Adapter Output Specs (V / A)	12V / 1A
AC Power Adapter Cord Length (ft.)	4
AC Power Adapter Cord Length (m)	1.2
Voltage Compatibility (VAC)	100; 110; 125; 127; 200; 208; 220; 230; 240
Input Frequency	50/60Hz
Redundancy - Dual Power Inputs	No
Bus Powered	No
Power Source	AC Adapter
<b>OUTPUT</b>	
Frequency Compatibility	50 / 60 Hz
<b>POWER</b>	
Power Source Type	AC Adapter
AC Plug Type	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
Power Over Cable (PoC) Support	No
AC Adapter	Input: 100-240V / 50/60Hz / 0.3A; Output: 12V, 1A, 4ft
Device Power Plug Type	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
Power Consumption (Watts)	12.00
<b>CONNECTIONS</b>	
Side A - Connector 1	(1) HDMI (FEMALE)
Side A - Connector 2	(1) MICRO-USB B (FEMALE)
Side B - Connector 1	(4) HDMI (FEMALE)
Side B - Connector 2	(9) HDMI (FEMALE)
Side B - Connector 3	(1) 3.5MM (FEMALE)
Side B - Connector 4	(1) TOSLINK (FEMALE)
Connector Plating	Nickel
Contact Plating	Gold
Input x Output	2 x 1; 2 x 2; 2 x 4; 3 x 1; 4 x 1; 4 x 2; 1 x 2; 1 x 4; 1 x 1; 1 x 3; 3 x 3; 2 x 3; 3 x 2
Daisy-chainable / Cascadable	No
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	Power LED = Blue (Unit is powered on); 1-9 HDMI Out LEDs = Blue (desired HDMI output is connected and transmitting video)
<b>PHYSICAL</b>	



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Color	Black
Material of Construction	ABS + PCB + METAL
Housing Color	Black
Included Mounting Accessories	Yes
Included Mounting Accessory Description	(2) Mounting Ears and Hardware
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	No
Shipping Dimensions (hwd / in.)	1.65 x 13.11 x 9.41
Shipping Dimensions (hwd / cm)	4.19 x 33.30 x 23.90
Shipping Weight (lbs.)	2.14
Shipping Weight (kg)	0.97
Unit Dimensions (hwd / in.)	0.750 x 11.500 x 4.400
Unit Dimensions (hwd / mm)	19 x 292 x 112
Unit Weight (lbs.)	1.36
Unit Weight (kg)	0.62
Housing	Metal
Mounting Details	Mounting ears
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32° to 158°F (0° to 70°C)
Storage Temperature Range	14° to 176°F (-10° to 80°C)
Relative Humidity	20 to 90% RH (Non-Condensing)
Operating Humidity Range	10 to 85% RH Non-Condensing
Storage Humidity Range	5 to 90% RH Non-Condensing
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
<b>COMMUNICATIONS</b>	
Port Control	Push Buttons, Remote Control or RS-232 Serial
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
Latency	No Latency
<b>FEATURES &amp; SPECIFICATIONS</b>	
10/100 Ethernet Extension Support	No



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Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Remote Wakeup Support	Yes
On-Screen Display (OSD)	Yes
HDCP Specification	1.3; 1.4
Driver Required	No
DIN Mountable	No
IR Frequency Range	38KHz
<b>CUSTOM</b>	
Batteries included with Remote Control	Yes
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	FCC; UL; cUL
Product Compliance	CE (Europe); FCC (USA); RoHS; UKCA; WEEE
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	3-year limited warranty

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